

## University of Tasmania Open Access Repository

### Cover sheet

**Title**

Cloud computing in Australian organisations : acceptance and evolution of uptake between 2012 and 2013

**Author**

Aljabr, AAA

**Bibliographic citation**

Aljabr, AAA (2015). Cloud computing in Australian organisations : acceptance and evolution of uptake between 2012 and 2013. University Of Tasmania. Thesis. <https://doi.org/10.25959/23240600.v1>

Is published in:

**Copyright information**

This version of work is made accessible in the repository with the permission of the copyright holder/s under the following,

**Licence.**

Rights statement: Copyright 2015 the author

If you believe that this work infringes copyright, please email details to: [oa.repository@utas.edu.au](mailto:oa.repository@utas.edu.au)

Downloaded from University of Tasmania Open Access Repository

Please do not remove this coversheet as it contains citation and copyright information.

University of Tasmania Open Access Repository

Library and Cultural Collections

University of Tasmania

Private Bag 3

Hobart, TAS 7005 Australia

E [oa.repository@utas.edu.au](mailto:oa.repository@utas.edu.au)

CRICOS Provider Code 00586B | ABN 30 764 374 782

[utas.edu.au](http://utas.edu.au)

-----  
-----  
name: <unnamed>

log: C:\Users\Ahmad\Statistical Output for Chapter.4.log

log type: text

opened on: 21 Feb 2015, 16:55:20

. do "C:\Users\Ahmad\Temp\STD02000000.tmp"

. bysort year: sum udstnd\_cc if cc\_adopt1==1

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
udstnd_cc	28	3.892857	.7859547	2	5

-----  
-----  
-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
udstnd_cc	9	4	1	2	5

. xi: ologit udstnd\_cc i.year if cc\_adopt1==1, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -41.690433

Iteration 1: log likelihood = -41.533797

Iteration 2: log likelihood = -41.533553

Iteration 3: log likelihood = -41.533553

Ordered logistic regression                      Number of obs =     37

LR chi2(1)    =     0.31

Prob > chi2   =     0.5754

Log likelihood = -41.533553                      Pseudo R2     =     0.0038

-----						
udstnd_cc	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.538147	1.184916	0.56	0.576	.3398384	6.961829
-----+-----						
/cut1	-2.34184	.6194698			-3.555978	-1.127701
/cut2	-1.203299	.4247531			-2.0358	-.3707981
/cut3	1.393421	.4471111			.5170999	2.269743
-----						

. xi: ologit udstnd\_cc i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -41.690433

Iteration 1: log likelihood = -32.235296

Iteration 2: log likelihood = -31.188003

Iteration 3: log likelihood = -31.167864

Iteration 4: log likelihood = -31.167837

Iteration 5: log likelihood = -31.167837

Ordered logistic regression                      Number of obs =     37

LR chi2(12) =     21.05

Prob > chi2 =     0.0497

Log likelihood = -31.167837

Pseudo R2 =     0.2524

-----+-----						
udstnd_cc	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.443307	2.699692	0.81	0.419	.2801926	21.30587
_lorg_size_2	.2286672	.2065719	-1.63	0.102	.038927	1.34325
_lorg_size_3	.383447	.6966804	-0.53	0.598	.0108935	13.49719
_lorg_size_4	.1413037	.2810662	-0.98	0.325	.0028644	6.970636
_lorg_size_5	26.00889	67.88187	1.25	0.212	.1561453	4332.259
_lcsect1_2	1.235076	1.444971	0.18	0.857	.1246908	12.23355
_lcsect1_3	9.415994	13.50089	1.56	0.118	.5667502	156.4374
_lcsect1_4	.4458527	.6175013	-0.58	0.560	.0295315	6.731263
_lcsect1_5	2.627289	4.281828	0.59	0.553	.1077113	64.08476
_lcsect1_6	.1328283	.1778111	-1.51	0.132	.0096344	1.831281
_lcsect1_7	.3374255	.7629467	-0.48	0.631	.0040137	28.36705
_lcomb_stat_2	.097671	.1006434	-2.26	0.024	.0129616	.7359902
-----+-----						
/cut1	-4.668034	1.282956			-7.182582	-2.153487
/cut2	-2.969534	1.006831			-4.942887	-.9961805
/cut3	.7967126	.890661			-.9489509	2.542376
-----						

. bysort year: sum belf\_kn\_a if cc\_adopt1==1

-----  
-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_a	27	3.333333	.7844645	2	4

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_a	9	4	.5	3	5

. xi: ologit belf\_kn\_a i.year if cc\_adopt1==1, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -37.2495

Iteration 1: log likelihood = -34.285135

Iteration 2: log likelihood = -34.132619

Iteration 3: log likelihood = -34.131454

Iteration 4: log likelihood = -34.131454

Ordered logistic regression                      Number of obs =     36

LR chi2(1)    =     6.24

Prob > chi2    =     0.0125

Log likelihood = -34.131454                      Pseudo R2     =     0.0837

belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----------	------------	-----------	---	------	----------------------

-----+-----						
_lyear_2	10.5132	12.00576	2.06	0.039	1.121214	98.57838
-----+-----						
/cut1	-1.519779	.4970557			-2.49399	-.5455674
/cut2	-.0379212	.3827408			-.7880794	.7122371
/cut3	4.710481	1.300566			2.161419	7.259544
-----+-----						

. xi: ologit belf_kn_a i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1, or		
i.year	_lyear_1-2	(naturally coded; _lyear_1 omitted)
i.org_size	_lorg_size_1-5	(naturally coded; _lorg_size_1 omitted)
i.csect1	_lcsect1_1-7	(naturally coded; _lcsect1_1 omitted)
i.comb_stat	_lcomb_stat_1-2	(naturally coded; _lcomb_stat_1 omitted)

```
Iteration 0: log likelihood = -37.2495
Iteration 1: log likelihood = -27.009478
Iteration 2: log likelihood = -24.587277
Iteration 3: log likelihood = -24.056307
Iteration 4: log likelihood = -23.925303
Iteration 5: log likelihood = -23.892381
Iteration 6: log likelihood = -23.885899
Iteration 7: log likelihood = -23.884844
Iteration 8: log likelihood = -23.884588
Iteration 9: log likelihood = -23.884534
Iteration 10: log likelihood = -23.884523
Iteration 11: log likelihood = -23.88452
Iteration 12: log likelihood = -23.884519
```

Ordered logistic regression	Number of obs	=	36
	LR chi2(12)	=	26.73
	Prob > chi2	=	0.0084

Log likelihood = -23.884519

Pseudo R2 = 0.3588

-----+-----						
belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	8.438494	11.92318	1.51	0.131	.5291257	134.5771
_lorg_size_2	1.20391	1.187585	0.19	0.851	.1741546	8.322491
_lorg_size_3	1.19e+08	9.35e+11	0.00	0.998	0	.
_lorg_size_4	1.08e-09	4.96e-06	-0.00	0.996	0	.
_lorg_size_5	1.12e-07	.0013065	-0.00	0.999	0	.
_lcsect1_2	2.078684	2.652719	0.57	0.566	.1704219	25.3543
_lcsect1_3	.6461982	.7740609	-0.36	0.715	.0617643	6.760733
_lcsect1_4	1.87e+08	8.61e+11	0.00	0.997	0	.
_lcsect1_5	2.032454	3.069368	0.47	0.639	.1053306	39.21814
_lcsect1_6	1.09e+16	6.56e+19	0.01	0.995	0	.
_lcsect1_7	4.00e+08	4.57e+12	0.00	0.999	0	.
_lcomb_stat_2	.3272688	.3663458	-1.00	0.318	.036481	2.935909
-----+-----						
/cut1	-1.406536	1.103109			-3.568589	.7555174
/cut2	.6190724	1.062312			-1.463022	2.701166
/cut3	39.30412	6004.032			-11728.38	11806.99
-----						

Note: 9 observations completely determined. Standard errors questionable.

. bysort year: sum belf\_kn\_b if cc\_adopt1==1

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

```
-----+-----
belf_kn_b |    27    3 .9607689    1    4
```

```
-----
-----
```

-> year = 2

```
Variable |    Obs    Mean  Std. Dev.    Min    Max
-----+-----
belf_kn_b |     9  2.888889  .6009252     2     4
```

```
. xi: ologit belf_kn_b i.year if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -42.611113
Iteration 1: log likelihood = -42.371522
Iteration 2: log likelihood = -42.371101
Iteration 3: log likelihood = -42.371101
```

```
Ordered logistic regression          Number of obs =    36
                                LR chi2(1)   =    0.48
                                Prob > chi2   =    0.4884
Log likelihood = -42.371101          Pseudo R2    =    0.0056
```

```
-----
belf_kn_b | Odds Ratio  Std. Err.    z  P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 | .6184025  .4300272  -0.69  0.489   .1582557   2.41648
-----+-----
/cut1 | -2.553438  .6497199          -3.826866  -1.28001
```



/cut2	-1.411207	.4691083		-2.330643	-.491772
/cut3	.8306117	.4118726		.0233563	1.637867

-----

. xi: ologit belf\_kn\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -42.611113  
Iteration 1: log likelihood = -32.486159  
Iteration 2: log likelihood = -31.970147  
Iteration 3: log likelihood = -31.945577  
Iteration 4: log likelihood = -31.940327  
Iteration 5: log likelihood = -31.939168  
Iteration 6: log likelihood = -31.938956  
Iteration 7: log likelihood = -31.938935  
Iteration 8: log likelihood = -31.93893  
Iteration 9: log likelihood = -31.938929

Ordered logistic regression	Number of obs =	36
	LR chi2(12) =	21.34
	Prob > chi2 =	0.0456
Log likelihood = -31.938929	Pseudo R2 =	0.2505

-----

belf_kn_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	.2420223	.2289454	-1.50	0.134	.0379006 1.545486
_lorg_size_2	.7678359	.6666286	-0.30	0.761	.1400434 4.209925

_lorg_size_3	.4272195	.7727976	-0.47	0.638	.0123286	14.80437
_lorg_size_4	8070170	1.64e+10	0.01	0.994	0	.
_lorg_size_5	.0134822	.0345051	-1.68	0.092	.0000894	2.033517
_lcsect1_2	7.597991	10.05283	1.53	0.125	.5681753	101.605
_lcsect1_3	1.891567	2.173959	0.55	0.579	.1988585	17.99282
_lcsect1_4	24.47963	32.29565	2.42	0.015	1.844278	324.9253
_lcsect1_5	7.955267	14.07024	1.17	0.241	.2484052	254.7703
_lcsect1_6	42.67246	63.60631	2.52	0.012	2.298114	792.3621
_lcsect1_7	4.640905	9.784361	0.73	0.467	.0744775	289.1878
_lcomb_stat_2	8.066673	8.192357	2.06	0.040	1.102124	59.04163

/cut1	-1.476489	.9559441	-3.350105	.3971275
/cut2	-.1056923	.8499606	-1.771584	1.5602
/cut3	3.175511	1.038378	1.140328	5.210694

Note: 2 observations completely determined. Standard errors questionable.

. bysort year: sum belf\_kn\_c if cc\_adopt1==1

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	27	3.444444	1.154701	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

```
-----+-----
belf_kn_c |      9  3.555556  .5270463      3      4
```

```
. xi: ologit belf_kn_c i.year if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Iteration 0: log likelihood = -49.813161

Iteration 1: log likelihood = -49.811676

Iteration 2: log likelihood = -49.811676

```
Ordered logistic regression      Number of obs =      36
                                LR chi2(1)   =      0.00
                                Prob > chi2   =      0.9565
Log likelihood = -49.811676      Pseudo R2    =      0.0000
```

```
-----+-----
belf_kn_c | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 |  1.036293  .6779034   0.05  0.957   .2875141   3.735134
-----+-----

/cut1 | -3.546302  1.027576           -5.560314  -1.532289
/cut2 | -1.410457  .4661712           -2.324136  -.4967785
/cut3 | -.2112738  .3997932           -.9948542  .5723065
/cut4 |  1.835031  .5191413            .8175327  2.852529
-----+-----
```

```
. xi: ologit belf_kn_c i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7    (naturally coded; _lcsect1_1 omitted)
```

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -49.813161

Iteration 1: log likelihood = -43.450723

Iteration 2: log likelihood = -42.691122

Iteration 3: log likelihood = -42.661629

Iteration 4: log likelihood = -42.661583

Iteration 5: log likelihood = -42.661583

Ordered logistic regression                      Number of obs =        36

LR chi2(12)    =    14.30

Prob > chi2    =    0.2818

Log likelihood = -42.661583                      Pseudo R2        =    0.1436

-----+-----						
belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.4085091	.3472812	-1.05	0.292	.0771933	2.161842
_lorg_size_2	.7677991	.5947587	-0.34	0.733	.1682221	3.504388
_lorg_size_3	2.132625	3.515457	0.46	0.646	.0842906	53.9573
_lorg_size_4	.9185713	1.562096	-0.05	0.960	.0327781	25.74197
_lorg_size_5	.00275	.0063648	-2.55	0.011	.0000295	.2567077
_lcsect1_2	6.555604	8.698304	1.42	0.156	.4866266	88.31401
_lcsect1_3	.4395277	.4695742	-0.77	0.442	.0541497	3.567604
_lcsect1_4	4.600555	5.022088	1.40	0.162	.5415218	39.08448
_lcsect1_5	.9562894	1.469327	-0.03	0.977	.0470683	19.42898
_lcsect1_6	16.13288	20.50055	2.19	0.029	1.336791	194.6974
_lcsect1_7	.4908992	.8495981	-0.41	0.681	.0165128	14.59368
_lcomb_stat_2	1.533251	1.301931	0.50	0.615	.2902896	8.098321
-----+-----						
/cut1	-3.873883	1.325462			-6.471742	-1.276025

/cut2	-1.501958	.872693		-3.212405	.2084887
/cut3	.078925	.830433		-1.548694	1.706544
/cut4	2.803557	.9811862		.8804677	4.726647

```
. bysort year: sum belf_kn_d if cc_adopt1==1
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_d	26	2.884615	1.032547	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_d	9	3.444444	1.130388	2	5

```
. xi: ologit belf_kn_d i.year if cc_adopt1==1, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -48.833333
```

```
Iteration 1:  log likelihood = -47.802387
```

```
Iteration 2:  log likelihood = -47.797254
```

```
Iteration 3:  log likelihood = -47.797251
```

Ordered logistic regression                      Number of obs =     35

LR chi2(1)     =     2.07

Prob > chi2     =     0.1500

Log likelihood = -47.797251                      Pseudo R2     =     0.0212

-----+-----						
belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.94195	2.249068	1.41	0.158	.6575168	13.16326
-----+-----						
/cut1	-2.60488	.7397188			-4.054702	-1.155057
/cut2	-.3139954	.3815671			-1.061853	.4338623
/cut3	.6556153	.3931332			-.1149117	1.426142
/cut4	3.189149	.7991404			1.622862	4.755435
-----						

. xi: ologit belf\_kn\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -48.833333

Iteration 1: log likelihood = -42.786703

Iteration 2: log likelihood = -42.578646

Iteration 3: log likelihood = -42.578281

Iteration 4: log likelihood = -42.578281

Ordered logistic regression                      Number of obs =     35

LR chi2(12)     =     12.51

Prob > chi2     =     0.4056

Log likelihood = -42.578281

Pseudo R2 = 0.1281

-----+-----						
belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.082158	1.931544	0.79	0.429	.3379746	12.82754
_lorg_size_2	.5819955	.4565878	-0.69	0.490	.1250645	2.708353
_lorg_size_3	.9931847	1.638485	-0.00	0.997	.0391542	25.19309
_lorg_size_4	2.550567	4.645009	0.51	0.607	.071855	90.53506
_lorg_size_5	.0692972	.1411364	-1.31	0.190	.0012796	3.752691
_lcsect1_2	.8413007	1.021568	-0.14	0.887	.0778684	9.089523
_lcsect1_3	.4807376	.5383024	-0.65	0.513	.0535527	4.315536
_lcsect1_4	.2724916	.3097496	-1.14	0.253	.0293607	2.528948
_lcsect1_5	.1138311	.1699915	-1.46	0.146	.0060969	2.12528
_lcsect1_6	3.713964	4.552945	1.07	0.284	.3360086	41.05111
_lcsect1_7	.0948195	.1894219	-1.18	0.238	.0018899	4.757202
_lcomb_stat_2	2.662357	2.440395	1.07	0.285	.4416007	16.05103
-----+-----						
/cut1	-3.710019	1.178312			-6.019468	-1.40057
/cut2	-1.001541	.8925732			-2.750953	.7478699
/cut3	.2454642	.8643638			-1.448658	1.939586
/cut4	3.199433	1.156707			.9323282	5.466538

. bysort year: sum belf\_kn\_e if cc\_adopt1==1

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

```
-----+-----
belf_kn_e |    25    3.32  .7483315     2     4
```

```
-----+-----
-----+-----
```

-> year = 2

```
Variable |    Obs    Mean  Std. Dev.    Min    Max
-----+-----
belf_kn_e |     7  3.285714  .9511897     2     4
```

```
. xi: ologit belf_kn_e i.year if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Iteration 0: log likelihood = -32.765722

Iteration 1: log likelihood = -32.764305

Iteration 2: log likelihood = -32.764305

```
Ordered logistic regression          Number of obs =    32
                                LR chi2(1)   =    0.00
                                Prob > chi2   =    0.9576
Log likelihood = -32.764305          Pseudo R2   =    0.0000
```

```
-----+-----
belf_kn_e | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 |  1.046413  .8926492   0.05  0.958   .1965983  5.569626
-----+-----
/cut1 | -1.457771  .4803962          -2.39933  -.5162116
/cut2 |  .0086647  .3891445          -.7540445  .7713739
```



```

. xi: ologit belf_kn_e i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

```

note: \_lcsect1\_7 omitted because of collinearity

Iteration 0: log likelihood = -32.765722

Iteration 1: log likelihood = -30.246172

Iteration 2: log likelihood = -30.202465

Iteration 3: log likelihood = -30.202391

Iteration 4: log likelihood = -30.202391

Ordered logistic regression                      Number of obs =     32

LR chi2(11) =     5.13

Prob > chi2 =     0.9249

Log likelihood = -30.202391                      Pseudo R2 =     0.0782

```

-----
belf_kn_e | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 | .7511758 .8425848  -0.26  0.799   .0833603  6.768992
_lorg_size_2 | .3876117 .3415534  -1.08  0.282   .0689192  2.179986
_lorg_size_3 | 1.003169 1.741667   0.00  0.999   .0333847  30.144
_lorg_size_4 | 3.30162 6.069238   0.65  0.516   .0899491 121.1873
_lorg_size_5 | .0696137 .1496359  -1.24  0.215   .0010304  4.702926
_lcsect1_2 | .5878242 .696925  -0.45  0.654   .0575522  6.003893
_lcsect1_3 | .7314281 .9129349  -0.25  0.802   .0633492  8.445049
_lcsect1_4 | .2267946 .284406  -1.18  0.237   .019418  2.648867

```

_lcsect1_5	.92977	1.552725	-0.04	0.965	.0352258	24.54089
_lcsect1_6	2.474028	3.486259	0.64	0.520	.1562931	39.1624
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	1.461795	1.340679	0.41	0.679	.2422206	8.821897

-----+-----						
/cut1	-2.212965	1.050532		-4.271969	-.1539609	
/cut2	-.5455972	.9617515		-2.430596	1.339401	
-----						

```
. bysort year: sum belf_kn_f if cc_adopt1==1
```

```
-----
-----
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_f	26	3.923077	.5602197	3	5

```
-----
-----
```

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_f	9	3.222222	1.092906	2	5

```
. xi: ologit belf_kn_f i.year if cc_adopt1==1, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -38.039826
```

Iteration 1: log likelihood = -35.823751

Iteration 2: log likelihood = -35.75763

Iteration 3: log likelihood = -35.757497

Iteration 4: log likelihood = -35.757497

Ordered logistic regression                      Number of obs =     35

LR chi2(1)     =     4.56

Prob > chi2     =     0.0326

Log likelihood = -35.757497                      Pseudo R2     =     0.0600

-----						
belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.1726195	.1445563	-2.10	0.036	.0334403	.891065
-----+-----						
/cut1	-3.008295	.7308713			-4.440777	-1.575814
/cut2	-1.352808	.4607925			-2.255945	-.4496713
/cut3	1.807508	.5433117			.7426366	2.872379
-----						

. xi: ologit belf\_kn\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -38.039826

Iteration 1: log likelihood = -31.001036

Iteration 2: log likelihood = -29.839579

Iteration 3: log likelihood = -29.749804

Iteration 4: log likelihood = -29.749615

Iteration 5: log likelihood = -29.749615

Ordered logistic regression                      Number of obs =     35

LR chi2(12)   =   16.58

Prob > chi2   =   0.1661

Log likelihood = -29.749615

Pseudo R2     =   0.2179

-----+-----						
belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.5352266	.5383531	-0.62	0.534	.0745356	3.843364
_lorg_size_2	4.39529	4.370565	1.49	0.137	.6260002	30.86034
_lorg_size_3	.0785339	.1583406	-1.26	0.207	.0015096	4.085591
_lorg_size_4	37.39179	83.91716	1.61	0.107	.4596766	3041.585
_lorg_size_5	.4449412	1.189794	-0.30	0.762	.0023559	84.03414
_lcsect1_2	.3767059	.4720299	-0.78	0.436	.0323153	4.391341
_lcsect1_3	.5259964	.6815096	-0.50	0.620	.0415068	6.665701
_lcsect1_4	.0483228	.0633681	-2.31	0.021	.0036977	.6315022
_lcsect1_5	6.44762	13.31074	0.90	0.367	.1127566	368.686
_lcsect1_6	6.141542	9.151658	1.22	0.223	.331041	113.9392
_lcsect1_7	1.806875	4.401066	0.24	0.808	.0152626	213.9087
_lcomb_stat_2	.6612231	.5996467	-0.46	0.648	.111793	3.910942
-----+-----						
/cut1	-3.600109	1.250151			-6.050359	-1.149858
/cut2	-1.474382	.9941804			-3.42294	.4741759
/cut3	2.65758	1.121151			.4601643	4.854995
-----						

. bysort year: sum belf\_kn\_g if cc\_adopt1==1

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_g	27	2.777778	1.086042	1	5

-----  
-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_g	9	2.555556	.7264832	2	4

. xi: ologit belf\_kn\_g i.year if cc\_adopt1==1, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -50.118944

Iteration 1: log likelihood = -49.882694

Iteration 2: log likelihood = -49.882491

Iteration 3: log likelihood = -49.882491

Ordered logistic regression                      Number of obs =     36

                                 LR chi2(1)    =     0.47

                                 Prob > chi2   =   0.4917

Log likelihood = -49.882491                      Pseudo R2     =   0.0047

-----  
belf\_kn\_g | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]



```

-----+-----
    _lyear_2 | .4178754 .3531094 -1.03 0.302 .0797576 2.189382
    _lorg_size_2 | .7023048 .5498321 -0.45 0.652 .1513989 3.25783
    _lorg_size_3 | .9932994 1.540845 -0.00 0.997 .0474966 20.77293
    _lorg_size_4 | 15.32856 28.65631 1.46 0.144 .3928299 598.1337
    _lorg_size_5 | 5.26e-09 9.73e-06 -0.01 0.992 0 .
    _lcsect1_2 | .6003944 .7507828 -0.41 0.683 .0517635 6.963851
    _lcsect1_3 | .8255899 .8831406 -0.18 0.858 .1014441 6.718958
    _lcsect1_4 | 1.474219 1.635764 0.35 0.726 .1675272 12.97294
    _lcsect1_5 | .480592 .6198333 -0.57 0.570 .038367 6.019989
    _lcsect1_6 | 1.325992 1.415814 0.26 0.792 .1635609 10.74985
    _lcsect1_7 | 22.59765 47.12095 1.50 0.135 .3794245 1345.864
    _lcomb_stat_2 | 3.167553 2.842246 1.28 0.199 .545683 18.38685
-----+-----

```

```

    /cut1 | -2.581536 .9318444 -4.407917 -.7551547
    /cut2 | -.4893863 .7605101 -1.979959 1.001186
    /cut3 | 1.614343 .8034226 .0396636 3.189022
    /cut4 | 4.621345 1.4339 1.810953 7.431738
-----+-----

```

Note: 1 observation completely determined. Standard errors questionable.

. bysort year: sum udstnd\_cc if cc\_adopt1==2

```

-----+-----
-> year = 1

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
udstnd_cc |   111  3.972973  .8786297     1     5

```

-----  
-----  
-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
udstnd_cc	37	3.837838	.6877303	1	5

. xi: ologit udstnd\_cc i.year if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -168.55466

Iteration 1: log likelihood = -167.81217

Iteration 2: log likelihood = -167.8108

Iteration 3: log likelihood = -167.8108

Ordered logistic regression                      Number of obs =     148

LR chi2(1)    =     1.49

Prob > chi2   =   0.2226

Log likelihood = -167.8108                      Pseudo R2     =   0.0044

-----  
-----  
udstnd\_cc | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]

-----+-----  
\_lyear\_2 | .6479244 .2310365 -1.22 0.224 .3221094 1.303303

-----+-----  
/cut1 | -4.004675 .5939612                      -5.168818 -2.840533

/cut2 | -2.990879 .380875                      -3.73738 -2.244377

/cut3 | -1.461649 .2331929                      -1.918699 -1.004599

/cut4 | 1.138507 .2157605                      .7156242 1.56139



```

. xi: ologit udstnd_cc i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==2, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

```

Iteration 0: log likelihood = -168.55466

Iteration 1: log likelihood = -161.19099

Iteration 2: log likelihood = -161.05857

Iteration 3: log likelihood = -161.05831

Iteration 4: log likelihood = -161.05831

Ordered logistic regression                      Number of obs =     148

LR chi2(12)    =    14.99

Prob > chi2    =    0.2418

Log likelihood = -161.05831                      Pseudo R2     =    0.0445

```

-----
    udstnd_cc | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
    _lyear_2 |   .6308311   .2354141   -1.23   0.217    .3035714   1.310887
    _lorg_size_2 |   1.617618   .6991999    1.11   0.266    .6933492   3.773981
    _lorg_size_3 |   1.486111   .8413496    0.70   0.484    .4899483   4.507669
    _lorg_size_4 |   .7004858   .3590898   -0.69   0.487    .2564769   1.913156
    _lorg_size_5 |   .6567478   .4454782   -0.62   0.535    .1737883   2.481857
    _lcsect1_2 |   5.053733   2.825163    2.90   0.004    1.689543   15.11664
    _lcsect1_3 |   2.432398   1.449418    1.49   0.136    .7565203   7.820755
    _lcsect1_4 |   2.409677   1.38566    1.53   0.126    .7806998   7.437615
    _lcsect1_5 |   2.564415   1.377543    1.75   0.080    .894835    7.349091

```

```

    _lcsect1_6 | 1.737794 1.106755 0.87 0.386 .4987588 6.054884
    _lcsect1_7 | 1.437329 1.055965 0.49 0.621 .340567 6.066107
    _lcomb_stat_2 | 1.635815 .6081226 1.32 0.186 .7893972 3.389789

```

```

-----+-----
    /cut1 | -3.159285 .6907625          -4.513155 -1.805415
    /cut2 | -2.12375 .5240844          -3.150937 -1.096564
    /cut3 | -.5370641 .4422928         -1.403942 .3298139
    /cut4 | 2.248865 .4833754          1.301466 3.196263
-----

```

```

. bysort year: sum belf_kn_a if cc_adopt1==2

```

```

-> year = 1

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_a |   107  3.766355  .8307696     1     5

```

```

-> year = 2

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_a |    36  3.944444  .6299408     2     5

```

```

. xi: ologit belf_kn_a i.year if cc_adopt1==2, or

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

Iteration 0: log likelihood = -154.46445

Iteration 1: log likelihood = -153.97628

Iteration 2: log likelihood = -153.97537

Iteration 3: log likelihood = -153.97537

Ordered logistic regression                      Number of obs =     143

LR chi2(1)     =     0.98

Prob > chi2     =     0.3227

Log likelihood = -153.97537                      Pseudo R2     =     0.0032

-----						
belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.463194	.5657804	0.98	0.325	.6857461	3.122052
-----+-----						
/cut1	-4.171334	.7166365			-5.575916	-2.766753
/cut2	-2.500272	.338442			-3.163606	-1.836938
/cut3	-1.071487	.2163353			-1.495497	-.647478
/cut4	1.985413	.2735529			1.449259	2.521567
-----						

. xi: ologit belf\_kn\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -154.46445

Iteration 1: log likelihood = -151.94125

Iteration 2: log likelihood = -151.91659

Iteration 3: log likelihood = -151.91658

Ordered logistic regression                      Number of obs =     143

LR chi2(12) =     5.10

Prob > chi2 =     0.9547

Log likelihood = -151.91658                      Pseudo R2 =     0.0165

-----+-----						
belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.419238	.5715554	0.87	0.385	.6445544	3.125007
_lorg_size_2	.8722467	.38703	-0.31	0.758	.3655505	2.081283
_lorg_size_3	1.578757	.9761165	0.74	0.460	.4699297	5.303928
_lorg_size_4	.7280276	.3889013	-0.59	0.552	.2555341	2.074182
_lorg_size_5	1.188531	.8352795	0.25	0.806	.2997784	4.712166
_lcsect1_2	1.433905	.8288589	0.62	0.533	.4618378	4.451963
_lcsect1_3	.817014	.507864	-0.33	0.745	.2416096	2.762771
_lcsect1_4	1.350861	.7920629	0.51	0.608	.428073	4.262885
_lcsect1_5	.7852159	.4378156	-0.43	0.665	.2632581	2.342052
_lcsect1_6	1.491254	1.046853	0.57	0.569	.3767146	5.903244
_lcsect1_7	1.1639	.8447031	0.21	0.834	.2806432	4.826998
_lcomb_stat_2	1.107042	.4299159	0.26	0.793	.5171342	2.369874
-----+-----						
/cut1	-4.159077	.8323909			-5.790533	-2.527621
/cut2	-2.479799	.5400713			-3.538319	-1.421279
/cut3	-1.03001	.4726084			-1.956305	-.1037142
/cut4	2.098908	.5097255			1.099864	3.097951
-----						

. bysort year: sum belf\_kn\_b if cc\_adopt1==2

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_b	108	3.314815	.804754	1	5

-----  
-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_b	36	3.444444	.6522245	2	5

. xi: ologit belf\_kn\_b i.year if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -162.81722

Iteration 1: log likelihood = -162.74165

Iteration 2: log likelihood = -162.74165

Ordered logistic regression                      Number of obs =     144

                                 LR chi2(1)     =     0.15

                                 Prob > chi2     =     0.6974

Log likelihood = -162.74165                      Pseudo R2       =     0.0005

-----  
belf\_kn\_b | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]  
-----+-----

_lyear_2	1.147822	.4074393	0.39	0.698	.5724348	2.301565
-----+-----						
/cut1	-4.229485	.7169817			-5.634743	-2.824227
/cut2	-1.909365	.268407			-2.435433	-1.383297
/cut3	.2041692	.1926476			-.1734132	.5817517
/cut4	3.590618	.5155047			2.580247	4.600989
-----						

. xi: ologit belf\_kn\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -162.81722  
Iteration 1: log likelihood = -155.17976  
Iteration 2: log likelihood = -155.10583  
Iteration 3: log likelihood = -155.10572  
Iteration 4: log likelihood = -155.10572

Ordered logistic regression	Number of obs =	144
	LR chi2(12) =	15.42
	Prob > chi2 =	0.2191
Log likelihood = -155.10572	Pseudo R2 =	0.0474

belf_kn_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.181748	.4416938	0.45	0.655	.5680378 2.458514
_lorg_size_2	1.011562	.4345555	0.03	0.979	.4358392 2.347789
_lorg_size_3	.5280291	.2890135	-1.17	0.243	.1806167 1.543682

_lorg_size_4	1.760075	.9036143	1.10	0.271	.6434702	4.81431
_lorg_size_5	4.246735	3.106476	1.98	0.048	1.012519	17.81177
_lcsect1_2	1.134286	.6052265	0.24	0.813	.3986049	3.227768
_lcsect1_3	.3085569	.1893413	-1.92	0.055	.0926847	1.027217
_lcsect1_4	2.231406	1.243161	1.44	0.150	.7487853	6.649669
_lcsect1_5	.5835195	.3020046	-1.04	0.298	.2115973	1.609165
_lcsect1_6	1.383267	.9201212	0.49	0.626	.3755812	5.094576
_lcsect1_7	1.088523	.7891912	0.12	0.907	.2628494	4.507836
_lcomb_stat_2	.4558546	.1673685	-2.14	0.032	.2219755	.9361549

/cut1	-4.646361	.8256151		-6.264537	-3.028185
/cut2	-2.298109	.4851045		-3.248897	-1.347322
/cut3	-.0355612	.4275501		-.873544	.8024216
/cut4	3.566798	.6497236		2.293363	4.840232

. bysort year: sum belf\_kn\_c if cc\_adopt1==2

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	108	3.740741	.9309865	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

belf\_kn\_c |     35   3.685714   .6311254       2       5

. xi: ologit belf\_kn\_c i.year if cc\_adopt1==2, or

i.year       \_lyear\_1-2       (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -175.63778

Iteration 1: log likelihood = -175.39155

Iteration 2: log likelihood = -175.39145

Iteration 3: log likelihood = -175.39145

Ordered logistic regression                      Number of obs =     143

LR chi2(1)     =     0.49

Prob > chi2     =     0.4827

Log likelihood = -175.39145                      Pseudo R2     =     0.0014

-----						
belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.781799	.2740558	-0.70	0.483	.3932879	1.554102
-----+-----						
/cut1	-5.022357	1.008335			-6.998656	-3.046057
/cut2	-2.291884	.300302			-2.880465	-1.703303
/cut3	-.7864063	.2067785			-1.191685	-.3811279
/cut4	1.590117	.2433398			1.113179	2.067054
-----						

. xi: ologit belf\_kn\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2, or

i.year       \_lyear\_1-2       (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7       (naturally coded; \_lcsect1\_1 omitted)



i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -175.63778

Iteration 1: log likelihood = -170.85863

Iteration 2: log likelihood = -170.81532

Iteration 3: log likelihood = -170.81529

Iteration 4: log likelihood = -170.81529

Ordered logistic regression                      Number of obs =     143

LR chi2(12)    =     9.64

Prob > chi2    =     0.6471

Log likelihood = -170.81529                      Pseudo R2     =     0.0275

-----+-----						
belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.7547711	.2787177	-0.76	0.446	.3660061	1.556475
_lorg_size_2	1.012854	.4344928	0.03	0.976	.4369176	2.347979
_lorg_size_3	.7098707	.4067543	-0.60	0.550	.23091	2.182307
_lorg_size_4	.8346223	.4135358	-0.36	0.715	.3160382	2.204146
_lorg_size_5	2.323653	1.591045	1.23	0.218	.6072103	8.892081
_lcsect1_2	2.212568	1.214288	1.45	0.148	.7546496	6.487058
_lcsect1_3	.9551219	.5503733	-0.08	0.936	.3087223	2.954947
_lcsect1_4	3.826181	2.135258	2.40	0.016	1.281562	11.42329
_lcsect1_5	1.659828	.8786628	0.96	0.338	.5881156	4.684503
_lcsect1_6	1.861627	1.285717	0.90	0.368	.4808589	7.207219
_lcsect1_7	1.309089	.9419956	0.37	0.708	.3194924	5.363863
_lcomb_stat_2	.8484858	.3108818	-0.45	0.654	.4137784	1.739889
-----+-----						
/cut1	-4.723583	1.075373			-6.831276	-2.61589
/cut2	-1.980872	.4800388			-2.92173	-1.040013

-----

---

---

---

.....

.....

LR chi2(1) = 0.16

Prob > chi2 = 0.6867

Log likelihood = -200.98577

Pseudo R2 = 0.0004

belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.149731	.3976883	0.40	0.687	.5836716	2.264771
-----+-----						
/cut1	-3.485631	.5138302			-4.49272	-2.478543
/cut2	-.6358701	.1998974			-1.027662	-.2440784
/cut3	.4909785	.1973443			.1041908	.8777662
/cut4	1.763523	.2548044			1.264115	2.26293

. xi: ologit belf\_kn\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -201.0671

Iteration 1: log likelihood = -196.01176

Iteration 2: log likelihood = -195.98617

Iteration 3: log likelihood = -195.98616

Ordered logistic regression                      Number of obs =     139

LR chi2(12) =    10.16

Prob > chi2 =    0.6018

Log likelihood = -195.98616

Pseudo R2 =    0.0253

---

belf_kn_d   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2	1.045703	.3796134	0.12	0.902	.513338 2.130166
_lorg_size_2	1.642806	.6754795	1.21	0.227	.7338281 3.677718
_lorg_size_3	1.876831	1.110075	1.06	0.287	.5888046 5.982451
_lorg_size_4	1.183961	.5674363	0.35	0.725	.4627887 3.028951
_lorg_size_5	2.090317	1.376593	1.12	0.263	.5749726 7.599362
_lcsect1_2	1.659001	.886424	0.95	0.343	.5821561 4.727742
_lcsect1_3	.4883975	.2853337	-1.23	0.220	.1554106 1.534851
_lcsect1_4	1.694777	.8843283	1.01	0.312	.6094787 4.712663
_lcsect1_5	.5135798	.2684529	-1.27	0.202	.1843643 1.430668
_lcsect1_6	1.131945	.7381108	0.19	0.849	.3153404 4.063225
_lcsect1_7	.4381475	.2704155	-1.34	0.181	.1307003 1.468805
_lcomb_stat_2	.7849082	.2800148	-0.68	0.497	.3900803 1.579369
-----+-----					
/cut1	-3.485707	.6569804		-4.773365	-2.198049
/cut2	-.5790935	.4504728		-1.462004	.3038171
/cut3	.5928285	.4456207		-.280572	1.466229
/cut4	1.931145	.4816092		.9872081	2.875081

. bysort year: sum belf\_kn\_e if cc\_adopt1==2

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_e	98	3.030612	.9680896	1	5

-----  
-----  
-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_e	34	3.205882	.8449282	2	5

. xi: ologit belf\_kn\_e i.year if cc\_adopt1==2, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -173.90766

Iteration 1: log likelihood = -173.35143

Iteration 2: log likelihood = -173.35116

Iteration 3: log likelihood = -173.35116

Ordered logistic regression                      Number of obs =     132

LR chi2(1)    =     1.11

Prob > chi2   =     0.2914

Log likelihood = -173.35116                      Pseudo R2     =     0.0032

-----  
-----  
belf\_kn\_e | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----  
\_lyear\_2 |   1.45624   .5193841   1.05 0.292   .7238398   2.929701  
-----+-----  
/cut1 | -4.088895   .716771                      -5.49374   -2.684049  
/cut2 | -.7021539   .2082585                      -1.110333   -.2939747  
/cut3 | .7669383   .2114247                      .3525534   1.181323  
/cut4 | 2.855435   .3824263                      2.105893   3.604976

```

. xi: ologit belf_kn_e i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==2, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

```

```

Iteration 0: log likelihood = -173.90766
Iteration 1: log likelihood = -166.70609
Iteration 2: log likelihood = -166.65053
Iteration 3: log likelihood = -166.65049
Iteration 4: log likelihood = -166.65049

```

```

Ordered logistic regression      Number of obs =   132
                                LR chi2(12)   =   14.51
                                Prob > chi2    =   0.2691
Log likelihood = -166.65049      Pseudo R2    =   0.0417

```

```

-----
belf_kn_e | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
    _lyear_2 | 1.261238 .4760384   0.61 0.539   .6018966 2.642849
    _lorg_size_2 | .6384219 .2757045  -1.04 0.299   .2738506 1.488339
    _lorg_size_3 | .872448 .5317174  -0.22 0.823   .2642232 2.880767
    _lorg_size_4 | 2.185275 1.108904   1.54 0.123   .8082931 5.908036
    _lorg_size_5 | 2.447926 1.659242   1.32 0.187   .6483966 9.241787
    _lcsect1_2 | 1.155256 .6380589   0.26 0.794   .3913378 3.410397
    _lcsect1_3 | .6633413 .4368206  -0.62 0.533   .1824768 2.411385
    _lcsect1_4 | 1.115677 .5777003   0.21 0.833   .4043747 3.078171
    _lcsect1_5 | .5913138 .316702  -0.98 0.327   .2069772 1.689326

```

```

    _lcsect1_6 | .6583415 .4324871 -0.64 0.525 .1816635 2.385803
    _lcsect1_7 | .4866252 .3360299 -1.04 0.297 .1257226 1.883545
    _lcomb_stat_2 | .592815 .2209316 -1.40 0.161 .2855561 1.230685

```

```

-----+-----
    /cut1 | -4.646752 .8541535          -6.320862 -2.972642
    /cut2 | -1.143942 .4797914          -2.084316 -.2035682
    /cut3 | .4375991 .4703182          -.4842078 1.359406
    /cut4 | 2.619797 .5689652          1.504645 3.734948
-----

```

```

. bysort year: sum belf_kn_f if cc_adopt1==2

```

```

-----
-----

```

```

-> year = 1

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_f |   104  3.807692  .776811    1     5

```

```

-----
-----

```

```

-> year = 2

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_f |    36  3.638889  .7231984    2     5

```

```

. xi: ologit belf_kn_f i.year if cc_adopt1==2, or

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

Iteration 0: log likelihood = -157.05806

Iteration 1: log likelihood = -155.86997

Iteration 2: log likelihood = -155.86707

Iteration 3: log likelihood = -155.86707

Ordered logistic regression                      Number of obs =     140

LR chi2(1)     =     2.38

Prob > chi2     =     0.1227

Log likelihood = -155.86707                      Pseudo R2     =     0.0076

-----						
belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.5648121	.2091439	-1.54	0.123	.2733463	1.167064
-----+-----						
/cut1	-5.116424	1.012061			-7.100026	-3.132821
/cut2	-3.129765	.4098198			-3.932997	-2.326532
/cut3	-.9416767	.2136044			-1.360334	-.5230197
/cut4	1.729081	.2579996			1.223411	2.234751
-----						

. xi: ologit belf\_kn\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -157.05806

Iteration 1: log likelihood = -149.38395

Iteration 2: log likelihood = -149.18866

Iteration 3: log likelihood = -149.18829



Iteration 4: log likelihood = -149.18829

Ordered logistic regression                      Number of obs =     140

                                 LR chi2(12)   =   15.74

                                 Prob > chi2   =   0.2035

Log likelihood = -149.18829                      Pseudo R2     =   0.0501

-----+-----						
belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.4488628	.1760219	-2.04	0.041	.2081202	.9680838
_lorg_size_2	.488764	.2165303	-1.62	0.106	.2051178	1.164649
_lorg_size_3	.9694126	.5703433	-0.05	0.958	.3059945	3.071169
_lorg_size_4	.9451877	.4975714	-0.11	0.915	.3368398	2.652239
_lorg_size_5	1.652071	1.128026	0.74	0.462	.4333435	6.298327
_lcsect1_2	1.021683	.591557	0.04	0.970	.328449	3.178074
_lcsect1_3	1.075007	.667769	0.12	0.907	.3181745	3.632098
_lcsect1_4	.8766524	.5016313	-0.23	0.818	.2856008	2.690887
_lcsect1_5	1.469256	.7907868	0.71	0.475	.5116363	4.219232
_lcsect1_6	.5399675	.3883906	-0.86	0.392	.1318594	2.21118
_lcsect1_7	.2268203	.1637559	-2.05	0.040	.0550993	.9337229
_lcomb_stat_2	1.279513	.4891817	0.64	0.519	.6048037	2.706917
-----+-----						
/cut1	-5.628999	1.114953			-7.814267	-3.443731
/cut2	-3.590717	.6129615			-4.792099	-2.389334
/cut3	-1.23335	.4766881			-2.167641	-.2990582
/cut4	1.59777	.4929525			.6316009	2.563939
-----						

. bysort year: sum belf\_kn\_g if cc\_adopt1==2

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_g	108	3.148148	.9552102	1	5

-----  
-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_g	36	3.277778	.8489022	1	5

. xi: ologit belf\_kn\_g i.year if cc\_adopt1==2, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -191.70976

Iteration 1: log likelihood = -191.35768

Iteration 2: log likelihood = -191.35752

Iteration 3: log likelihood = -191.35752

Ordered logistic regression                      Number of obs =    144

                                 LR chi2(1)    =    0.70

                                 Prob > chi2    =   0.4013

Log likelihood = -191.35752                      Pseudo R2     =   0.0018

-----  
belf\_kn\_g | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]



_lorg_size_4	.677198	.3469427	-0.76	0.447	.2481003	1.848434
_lorg_size_5	1.881639	1.227451	0.97	0.333	.5239274	6.757739
_lcsect1_2	1.493788	.7813122	0.77	0.443	.5358901	4.163918
_lcsect1_3	.4320598	.2552691	-1.42	0.155	.1357181	1.375466
_lcsect1_4	2.118226	1.208206	1.32	0.188	.6925622	6.478667
_lcsect1_5	1.086222	.5244998	0.17	0.864	.4216018	2.798562
_lcsect1_6	1.132871	.7084077	0.20	0.842	.3325882	3.858819
_lcsect1_7	.6175502	.4158278	-0.72	0.474	.1650119	2.311156
_lcomb_stat_2	.8971449	.3201857	-0.30	0.761	.445732	1.805724

/cut1	-3.564121	.6074969	-4.754793	-2.373449
/cut2	-1.509237	.4413381	-2.374244	-.6442305
/cut3	.548879	.420133	-.2745666	1.372325
/cut4	2.462976	.4982553	1.486414	3.439539

```
. bysort year: sum udstnd_cc if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
udstnd_cc	64	4.234375	.6841096	2	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

udstnd\_cc |     26 4.153846 .6126864     3     5

. xi: ologit udstnd\_cc i.year if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -87.570777

Iteration 1: log likelihood = -87.335606

Iteration 2: log likelihood = -87.335428

Iteration 3: log likelihood = -87.335428

Ordered logistic regression                      Number of obs =     90

LR chi2(1)     =     0.47

Prob > chi2     =     0.4927

Log likelihood = -87.335428                      Pseudo R2     =     0.0027

-----						
udstnd_cc	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.7335102	.3322744	-0.68	0.494	.301869	1.782353
-----+-----						
/cut1	-4.589508	1.017562			-6.583892	-2.595124
/cut2	-2.180051	.3692026			-2.903675	-1.456427
/cut3	.6049841	.2568518			.1015639	1.108404
-----						

. xi: ologit udstnd\_cc i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -87.570777

Iteration 1: log likelihood = -83.620312

Iteration 2: log likelihood = -83.577587

Iteration 3: log likelihood = -83.57753

Iteration 4: log likelihood = -83.57753

Ordered logistic regression                      Number of obs =     90

LR chi2(12)    =     7.99

Prob > chi2    =     0.7862

Log likelihood = -83.57753                      Pseudo R2     =     0.0456

-----+-----						
udstnd_cc	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.6954449	.3326258	-0.76	0.448	.2723577	1.775766
_lorg_size_2	.7033905	.4218977	-0.59	0.557	.2170905	2.279041
_lorg_size_3	.5148109	.4357439	-0.78	0.433	.0979891	2.704693
_lorg_size_4	1.178331	.8278815	0.23	0.815	.2973191	4.669942
_lorg_size_5	1.55845	1.392003	0.50	0.619	.2706463	8.973946
_lcsect1_2	1.743108	1.418778	0.68	0.495	.353591	8.593052
_lcsect1_3	3.774272	2.636625	1.90	0.057	.9598474	14.84104
_lcsect1_4	3.306883	2.343784	1.69	0.092	.8243696	13.26526
_lcsect1_5	4.114697	3.401613	1.71	0.087	.8140498	20.79815
_lcsect1_6	1.700545	1.573495	0.57	0.566	.2773198	10.42787
_lcsect1_7	2.970799	2.580163	1.25	0.210	.5414994	16.29854
_lcomb_stat_2	1.394462	.7145667	0.65	0.516	.5107684	3.807058
-----+-----						
/cut1	-3.87189	1.148951			-6.123792	-1.619987
/cut2	-1.455782	.6547491			-2.739067	-.1724974
/cut3	1.514457	.6603296			.2202351	2.80868

```
-----  
  
. bysort year: sum belf_kn_a if cc_adopt1==3  
  
-----  
-----
```

```
-> year = 1
```

```
Variable |    Obs    Mean  Std. Dev.    Min    Max  
-----+-----  
belf_kn_a |     64  3.921875  .5990651     2     5  
  
-----  
-----
```

```
-> year = 2
```

```
Variable |    Obs    Mean  Std. Dev.    Min    Max  
-----+-----  
belf_kn_a |     26  4.115385  .5883484     3     5  
  
-----  
-----
```

```
. xi: ologit belf_kn_a i.year if cc_adopt1==3, or  
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -77.706869
```

```
Iteration 1: log likelihood = -76.810787
```

```
Iteration 2: log likelihood = -76.803041
```

```
Iteration 3: log likelihood = -76.803039
```

```
Ordered logistic regression      Number of obs =    90
```

```
LR chi2(1)    =    1.81
```

```
Prob > chi2    =    0.1788
```

Log likelihood = -76.803039                      Pseudo R2     =    0.0116

-----						
belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.99381	1.031184	1.33	0.182	.723517	5.494384
-----+-----						
/cut1	-3.624879	.7228819			-5.041701	-2.208056
/cut2	-1.614324	.3197321			-2.240987	-.9876604
/cut3	2.008485	.3582509			1.306326	2.710643
-----						

. xi: ologit belf\_kn\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -77.706869  
Iteration 1: log likelihood = -71.04641  
Iteration 2: log likelihood = -70.572244  
Iteration 3: log likelihood = -70.570892  
Iteration 4: log likelihood = -70.570892

Ordered logistic regression                      Number of obs   =     90  
  
                                 LR chi2(12)   =    14.27  
                                 Prob > chi2   =    0.2837  
  
Log likelihood = -70.570892                      Pseudo R2     =    0.0918

-----					
belf_kn_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]



```

-----+-----
    _lyear_2 | 1.540162 .8402648 0.79 0.429 .5286611 4.486996
    _lorg_size_2 | 1.104697 .76627 0.14 0.886 .2836675 4.302063
    _lorg_size_3 | 1.157026 1.19206 0.14 0.887 .1535918 8.716019
    _lorg_size_4 | 1.598753 1.262012 0.59 0.552 .3403032 7.510981
    _lorg_size_5 | .4204944 .4030996 -0.90 0.366 .0642349 2.752641
    _lcsect1_2 | .9970011 .8719993 -0.00 0.997 .1795626 5.535737
    _lcsect1_3 | 1.092899 .8568985 0.11 0.910 .2350647 5.081279
    _lcsect1_4 | 3.661501 3.188636 1.49 0.136 .6643332 20.18052
    _lcsect1_5 | 1.810954 1.748831 0.61 0.539 .2728383 12.02013
    _lcsect1_6 | 6.648187 6.523377 1.93 0.054 .9715874 45.49091
    _lcsect1_7 | 6.005324 6.03029 1.79 0.074 .8390659 42.98102
    _lcomb_stat_2 | 1.012044 .5677331 0.02 0.983 .3370508 3.03881

```

```

-----+-----
    /cut1 | -3.344845 .9811392          -5.267843 -1.421847
    /cut2 | -1.265476 .7347794          -2.705617 .1746653
    /cut3 | 2.843381 .8154479          1.245133 4.44163

```

```

. bysort year: sum belf_kn_b if cc_adopt1==3

```

```

-> year = 1

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_b |    64   3.625  .7014724     2     5

```

```

-> year = 2

```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_b	26	3.769231	.7646015	2	5

```
. xi: ologit belf_kn_b i.year if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -97.091564
Iteration 1: log likelihood = -96.739976
Iteration 2: log likelihood = -96.739649
Iteration 3: log likelihood = -96.739649
```

```
Ordered logistic regression      Number of obs =    90
                                LR chi2(1)   =    0.70
                                Prob > chi2   =    0.4015
Log likelihood = -96.739649      Pseudo R2   =    0.0036
```

belf_kn_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.459716	.6607463	0.84	0.403	.60113 3.544607
/cut1	-2.972037	.5230008			-3.997099 -1.946974
/cut2	-.3499734	.2474041			-.8348765 .1349297
/cut3	2.314884	.3817873			1.566595 3.063173

```
. xi: ologit belf_kn_b i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

```
Iteration 0: log likelihood = -97.091564
Iteration 1: log likelihood = -93.790018
Iteration 2: log likelihood = -93.75942
Iteration 3: log likelihood = -93.759396
Iteration 4: log likelihood = -93.759396
```

Ordered logistic regression	Number of obs	=	90
	LR chi2(12)	=	6.66
	Prob > chi2	=	0.8790
Log likelihood = -93.759396	Pseudo R2	=	0.0343

belf_kn_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.515156	.7261206	0.87	0.386	.5922824	3.876017
_lorg_size_2	1.570001	.9351155	0.76	0.449	.488553	5.045312
_lorg_size_3	.8647665	.7492203	-0.17	0.867	.1582818	4.724618
_lorg_size_4	1.247218	.8656453	0.32	0.750	.3200052	4.861027
_lorg_size_5	1.018887	.8403908	0.02	0.982	.2023225	5.131068
_lcsect1_2	.4068877	.3104698	-1.18	0.239	.0911963	1.815397
_lcsect1_3	1.218139	.7986939	0.30	0.763	.3369705	4.403539
_lcsect1_4	.8964373	.6451781	-0.15	0.879	.2187251	3.674017
_lcsect1_5	1.572721	1.291609	0.55	0.581	.3144823	7.865152
_lcsect1_6	1.946042	1.652556	0.78	0.433	.368402	10.27975
_lcsect1_7	.5603363	.4885481	-0.66	0.506	.1014612	3.094551
_lcomb_stat_2	1.46184	.733914	0.76	0.449	.5464565	3.910605

/cut1	-2.739186	.7734957	-4.255209	-1.223162
/cut2	-.0301812	.6264715	-1.258043	1.19768
/cut3	2.745004	.7151689	1.343298	4.146709

```
. bysort year: sum belf_kn_c if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	64	4.0625	.7319251	2	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	26	4.538462	.5083911	4	5

```
. xi: ologit belf_kn_c i.year if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -91.550303
Iteration 1:  log likelihood = -87.299498
Iteration 2:  log likelihood = -87.270377
Iteration 3:  log likelihood = -87.270353
Iteration 4:  log likelihood = -87.270353
```

Ordered logistic regression                      Number of obs =     90

LR chi2(1)     =     8.56

Prob > chi2     =     0.0034

Log likelihood = -87.270353                      Pseudo R2     =     0.0467

-----						
belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.796587	1.774434	2.85	0.004	1.519015	9.489092
-----+-----						
/cut1	-3.538758	.7195486			-4.949047	-2.128468
/cut2	-1.693917	.3344944			-2.349514	-1.03832
/cut3	1.09386	.2848037			.5356546	1.652065
-----						

. xi: ologit belf\_kn\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -91.550303

Iteration 1: log likelihood = -77.591485

Iteration 2: log likelihood = -76.799363

Iteration 3: log likelihood = -76.795355

Iteration 4: log likelihood = -76.795354

Ordered logistic regression                      Number of obs =     90

LR chi2(12)     =     29.51

Prob > chi2     =     0.0033

Log likelihood = -76.795354

Pseudo R2 = 0.1612

-----+-----						
belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.778618	1.960267	2.56	0.010	1.366935	10.44524
_lorg_size_2	2.899582	1.93417	1.60	0.111	.7844049	10.71841
_lorg_size_3	5.919157	5.529753	1.90	0.057	.9485413	36.93715
_lorg_size_4	1.975027	1.446607	0.93	0.353	.4700145	8.299174
_lorg_size_5	.6878652	.617764	-0.42	0.677	.1183174	3.99906
_lcsect1_2	.6246223	.5007237	-0.59	0.557	.1297951	3.005915
_lcsect1_3	1.577967	1.110487	0.65	0.517	.397254	6.267977
_lcsect1_4	1.923478	1.440626	0.87	0.382	.4431627	8.348551
_lcsect1_5	.4660284	.3941375	-0.90	0.367	.0888219	2.445147
_lcsect1_6	5.858639	5.541502	1.87	0.062	.9176392	37.40429
_lcsect1_7	1.579424	1.527452	0.47	0.636	.2373048	10.51213
_lcomb_stat_2	.2004348	.1128564	-2.85	0.004	.0664809	.6042951
-----+-----						
/cut1	-3.884491	.9713674			-5.788336	-1.980646
/cut2	-1.886059	.7214821			-3.300138	-.4719801
/cut3	1.530146	.7024945			.1532823	2.90701
-----						

. bysort year: sum belf\_kn\_d if cc\_adopt1==3

-----+-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					

belf_kn_d	64	3.203125	1.07171	2	5
-----------	----	----------	---------	---	---

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+					
belf_kn_d	25	3.64	1.036018	1	5

. xi: ologit belf\_kn\_d i.year if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -123.72183  
Iteration 1: log likelihood = -122.1141  
Iteration 2: log likelihood = -122.11088  
Iteration 3: log likelihood = -122.11088

Ordered logistic regression	Number of obs =	89
	LR chi2(1) =	3.22
	Prob > chi2 =	0.0727
Log likelihood = -122.11088	Pseudo R2 =	0.0130

belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+					
_lyear_2	2.137223	.9107316	1.78	0.075	.9271043 4.926869
-----+					
/cut1	-4.320544	1.009155			-6.298452 -2.342636
/cut2	-.6887911	.2575156			-1.193512 -.1840697

/cut3	.295568	.2494601		-.1933648	.7845008
/cut4	2.027586	.3407215		1.359784	2.695388

-----

. xi: ologit belf\_kn\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -123.72183  
Iteration 1: log likelihood = -119.48683  
Iteration 2: log likelihood = -119.45209  
Iteration 3: log likelihood = -119.45207  
Iteration 4: log likelihood = -119.45207

Ordered logistic regression	Number of obs =	89
	LR chi2(12) =	8.54
	Prob > chi2 =	0.7417
Log likelihood = -119.45207	Pseudo R2 =	0.0345

-----

belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	2.128772	.9577411	1.68	0.093	.8813958 5.141471
_lorg_size_2	.7222788	.4169177	-0.56	0.573	.2330074 2.238928
_lorg_size_3	.7515071	.6011988	-0.36	0.721	.1566678 3.604845
_lorg_size_4	1.812471	1.167214	0.92	0.356	.5129858 6.403783
_lorg_size_5	1.631674	1.304755	0.61	0.540	.3403904 7.821492
_lcsect1_2	1.328899	.970727	0.39	0.697	.3174762 5.562539
_lcsect1_3	1.197726	.7582015	0.29	0.776	.3463519 4.141877



_lcsect1_4	1.655979	1.143379	0.73	0.465	.4278961	6.408717
_lcsect1_5	1.480406	1.121171	0.52	0.604	.3355303	6.531755
_lcsect1_6	.5884644	.485453	-0.64	0.520	.1168214	2.964271
_lcsect1_7	1.622504	1.407074	0.56	0.577	.2964856	8.879083
_lcomb_stat_2	.9257009	.4377866	-0.16	0.870	.3663673	2.33897

-----+-----

/cut1	-4.21795	1.15795		-6.48749	-1.94841
/cut2	-.5394305	.6287896		-1.771835	.6929745
/cut3	.4800136	.6289836		-.7527716	1.712799
/cut4	2.290215	.6845674		.9484872	3.631942

-----

. bysort year: sum belf\_kn\_e if cc\_adopt1==3

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_e	59	2.949153	.7970577	2	5

-----

-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_e	26	3.076923	.9766505	1	5

. xi: ologit belf\_kn\_e i.year if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -104.02744

Iteration 1: log likelihood = -103.76924

Iteration 2: log likelihood = -103.76914

Iteration 3: log likelihood = -103.76914

Ordered logistic regression                      Number of obs =        85

LR chi2(1)        =        0.52

Prob > chi2        =        0.4723

Log likelihood = -103.76914                      Pseudo R2        =        0.0025

-----+-----						
belf_kn_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.374815	.6094589	0.72	0.473	.5766395	3.277812
-----+-----						
/cut1	-4.346196	1.012273			-6.330214	-2.362178
/cut2	-.679906	.2605888			-1.190651	-.1691613
/cut3	.9698456	.2735414			.4337143	1.505977
/cut4	3.832659	.7324784			2.397028	5.26829
-----						

. xi: ologit belf\_kn\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -104.02744

Iteration 1: log likelihood = -91.576342

Iteration 4: log likelihood = -91.183461

Prob > chi2 = 0.0119

```

/cut4 | 2.027359 .8579872          .3457348  3.708983

```

```
. bysort year: sum belf_kn_f if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_f	63	3.634921	.8092527	2	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_f	26	3.5	.9899495	2	5

```
. xi: ologit belf_kn_f i.year if cc_adopt1==3, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -109.28092
```

```
Iteration 1: log likelihood = -108.93294
```

```
Iteration 2: log likelihood = -108.93265
```

```
Iteration 3: log likelihood = -108.93265
```

```
Ordered logistic regression      Number of obs =      89
```

```
LR chi2(1) =      0.70
```

```
Prob > chi2 =      0.4039
```

```
Log likelihood = -108.93265      Pseudo R2 =      0.0032
```

belf_kn_f   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	.6902132	.3064635	-0.84	0.404 .2890938 1.647888
-----+-----				
/cut1	-2.078011	.3554926		-2.774764 -1.381258
/cut2	-.487895	.249247		-.9764102 .0006201
/cut3	1.871725	.3374578		1.21032 2.53313
-----				

. xi: ologit belf\_kn\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -109.28092  
Iteration 1: log likelihood = -105.98081  
Iteration 2: log likelihood = -105.95017  
Iteration 3: log likelihood = -105.95015  
Iteration 4: log likelihood = -105.95015

Ordered logistic regression                      Number of obs =       89  
   LR chi2(12)    =       6.66  
   Prob > chi2    =       0.8791  
Log likelihood = -105.95015                      Pseudo R2       =       0.0305

belf_kn_f   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	.5962388	.2772231	-1.11	0.266 .2396908 1.483164

_lorg_size_2	.6036401	.342038	-0.89	0.373	.1988225	1.832697
_lorg_size_3	1.352267	1.103951	0.37	0.712	.2730024	6.698206
_lorg_size_4	.8557341	.5666465	-0.24	0.814	.2337188	3.13317
_lorg_size_5	1.644799	1.34077	0.61	0.542	.3328511	8.127856
_lcsect1_2	2.129847	1.677846	0.96	0.337	.4547692	9.974837
_lcsect1_3	.6342549	.4224379	-0.68	0.494	.1719219	2.339896
_lcsect1_4	1.012913	.7132964	0.02	0.985	.2547733	4.027085
_lcsect1_5	.9643796	.7838007	-0.04	0.964	.1960798	4.74311
_lcsect1_6	1.223642	1.064512	0.23	0.817	.2224068	6.732252
_lcsect1_7	1.52085	1.363776	0.47	0.640	.2622995	8.818109
_lcomb_stat_2	.5494193	.2666569	-1.23	0.217	.2122164	1.422423

---

/cut1	-2.516441	.7038695			-3.896	-1.136882
/cut2	-.8595665	.6460998			-2.125899	.4067658
/cut3	1.60405	.6790561			.273125	2.934976

---

. bysort year: sum belf\_kn\_g if cc\_adopt1==3

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_g	64	3.75	.9085135	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

```
-----+-----
belf_kn_g |    26  3.923077  .6275716    3    5
```

```
. xi: ologit belf_kn_g i.year if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -105.04582
Iteration 1: log likelihood = -104.87077
Iteration 2: log likelihood = -104.87066
Iteration 3: log likelihood = -104.87066
```

```
Ordered logistic regression          Number of obs =    90
                                LR chi2(1)   =    0.35
                                Prob > chi2   =    0.5539
Log likelihood = -104.87066          Pseudo R2   =    0.0017
```

```
-----+-----
belf_kn_g | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 |  1.295401  .5675217   0.59  0.555   .548894   3.057172
-----+-----
/cut1 | -3.714438  .7241156          -5.133678  -2.295197
/cut2 | -2.760908  .4751271          -3.69214  -1.829676
/cut3 | -.8226183  .2662152          -1.344391  -.3008461
/cut4 |  1.692538  .3180236           1.069223   2.315853
-----+-----
```

```
. xi: ologit belf_kn_g i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
```

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -105.04582  
Iteration 1: log likelihood = -99.292903  
Iteration 2: log likelihood = -99.181486  
Iteration 3: log likelihood = -99.181224  
Iteration 4: log likelihood = -99.181224

Ordered logistic regression                      Number of obs =      90  
   LR chi2(12)      =      11.73  
   Prob > chi2      =      0.4677  
Log likelihood = -99.181224                      Pseudo R2      =      0.0558

-----+-----						
belf_kn_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.407706	.6673734	0.72	0.471	.5558651	3.564959
_lorg_size_2	2.161464	1.38824	1.20	0.230	.6138301	7.611105
_lorg_size_3	1.12406	.9590805	0.14	0.891	.2111155	5.984931
_lorg_size_4	.5729189	.4032705	-0.79	0.429	.1441926	2.276373
_lorg_size_5	2.640376	2.342938	1.09	0.274	.4638227	15.03071
_lcsect1_2	.8848443	.7037346	-0.15	0.878	.1861611	4.205762
_lcsect1_3	1.767099	1.215668	0.83	0.408	.4588604	6.805204
_lcsect1_4	2.37149	1.767309	1.16	0.247	.550401	10.21794
_lcsect1_5	1.477795	1.230843	0.47	0.639	.2888389	7.560884
_lcsect1_6	5.251948	4.525154	1.92	0.054	.9703151	28.4268
_lcsect1_7	1.622202	1.462964	0.54	0.592	.2769869	9.500597
_lcomb_stat_2	.4991439	.2473651	-1.40	0.161	.188968	1.318449
-----+-----						
/cut1	-3.406317	.927319			-5.223829	-1.588805



/cut2	-2.445613	.7530473		-3.921559	-.9696677
/cut3	-.3905902	.6553923		-1.675136	.8939551
/cut4	2.387932	.7060988		1.004003	3.77186

```
. bysort year: sum udstnd_cc if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
udstnd_cc	187	4.459893	.6154341	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
udstnd_cc	99	4.454545	.5762781	3	5

```
. xi: ologit udstnd_cc i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -237.99497
```

```
Iteration 1:  log likelihood = -237.97066
```

```
Iteration 2:  log likelihood = -237.97066
```

```
Ordered logistic regression      Number of obs  =      286
```

LR chi2(1) = 0.05

Prob > chi2 = 0.8255

Log likelihood = -237.97066

Pseudo R2 = 0.0001

-----						
udstnd_cc	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9473406	.2324013	-0.22	0.825	.5857195	1.532225
-----+-----						
/cut1	-5.671614	1.005565			-7.642486	-3.700743
/cut2	-4.975019	.7150012			-6.376395	-3.573642
/cut3	-3.445853	.3497398			-4.13133	-2.760375
/cut4	-.018584	.1452476			-.3032642	.2660961
-----						

. xi: ologit udstnd\_cc i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -237.99497

Iteration 1: log likelihood = -231.05686

Iteration 2: log likelihood = -231.04177

Iteration 3: log likelihood = -231.04177

Ordered logistic regression                      Number of obs =    286

LR chi2(12) = 13.91

Prob > chi2 = 0.3067

Log likelihood = -231.04177

Pseudo R2 = 0.0292

udstnd_cc   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2	.9719099	.2495537	-0.11	0.912	.5875788 1.607629
_lorg_size_2	1.267722	.4977217	0.60	0.546	.5872634 2.736624
_lorg_size_3	2.721603	1.270804	2.14	0.032	1.089862 6.796387
_lorg_size_4	2.861179	1.244714	2.42	0.016	1.21967 6.711935
_lorg_size_5	2.490815	1.303985	1.74	0.081	.8927351 6.949608
_lcsect1_2	1.296084	.5874552	0.57	0.567	.5331176 3.150965
_lcsect1_3	.9454567	.4339435	-0.12	0.903	.3845556 2.324471
_lcsect1_4	1.49233	.6481647	0.92	0.357	.6370331 3.495971
_lcsect1_5	.8809974	.4291349	-0.26	0.795	.33912 2.288737
_lcsect1_6	.9280093	.4735634	-0.15	0.884	.3413375 2.52302
_lcsect1_7	.8266543	.3915095	-0.40	0.688	.3267297 2.091506
_lcomb_stat_2	.8668744	.2504852	-0.49	0.621	.4920391 1.527259
-----+-----					
/cut1	-5.207545	1.107423			-7.378054 -3.037037
/cut2	-4.509777	.8523259			-6.180305 -2.839249
/cut3	-2.968307	.5823105			-4.109615 -1.826999
/cut4	.5532679	.5018389			-.4303182 1.536854

. bysort year: sum belf\_kn\_a if cc\_adopt1==5

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_a	186	3.956989	.7412769	1	5

-----  
-----  
-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
belf_kn_a	99	4.020202	.7821973	1	5

. xi: ologit belf\_kn\_a i.year if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -301.24934

Iteration 1: log likelihood = -300.74102

Iteration 2: log likelihood = -300.74059

Iteration 3: log likelihood = -300.74059

Ordered logistic regression                      Number of obs =     285

LR chi2(1)    =     1.02

Prob > chi2   =     0.3131

Log likelihood = -300.74059                      Pseudo R2     =     0.0017

-----  
-----  
belf\_kn\_a | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]

-----+-----  
\_lyear\_2 | 1.284531   .3192149   1.01   0.314    .789251   2.090615

-----+-----  
/cut1 | -4.872493   .7136803                      -6.271281   -3.473705

/cut2 | -2.884133   .2842905                      -3.441332   -2.326934

/cut3 | -1.46631   .1742711                      -1.807875   -1.124745

/cut4 | 1.413522 .1730356 1.074378 1.752665

-----

. xi: ologit belf\_kn\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -301.24934

Iteration 1: log likelihood = -297.8559

Iteration 2: log likelihood = -297.83665

Iteration 3: log likelihood = -297.83665

Ordered logistic regression                      Number of obs =     285

LR chi2(12)    =     6.83

Prob > chi2    =     0.8689

Log likelihood = -297.83665                      Pseudo R2       =     0.0113

-----

belf_kn_a   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
------------------------	-----------	---	------	----------------------

-----+-----

_lyear_2	1.276241	.3266413	0.95	0.341	.7728161	2.107606
_lorg_size_2	.8411971	.3263439	-0.45	0.656	.3932535	1.79938
_lorg_size_3	1.195432	.542796	0.39	0.694	.4909411	2.910852
_lorg_size_4	1.298062	.5512285	0.61	0.539	.5647141	2.98375
_lorg_size_5	.8884177	.4424458	-0.24	0.812	.3347385	2.357918
_lcsect1_2	.9831523	.4310966	-0.04	0.969	.4162771	2.321983
_lcsect1_3	.5159095	.2357807	-1.45	0.148	.2106482	1.263541
_lcsect1_4	.703629	.2999761	-0.82	0.410	.3051079	1.622684
_lcsect1_5	.5350663	.2627555	-1.27	0.203	.2043654	1.400902

```

    _lcsect1_6 | .6395105 .3191537 -0.90 0.370 .2404627 1.700778
    _lcsect1_7 | .806763 .3820578 -0.45 0.650 .3188918 2.041026
    _lcomb_stat_2 | .8733944 .2501958 -0.47 0.637 .4981637 1.531259

```

```

-----+-----
    /cut1 | -5.311365 .8613207          -6.999522 -3.623207
    /cut2 | -3.313862 .557964           -4.407452 -2.220273
    /cut3 | -1.880031 .5080046          -2.875702 -.8843604
    /cut4 | 1.045912 .4977974           .0702475 2.021577
-----

```

```

. bysort year: sum belf_kn_b if cc_adopt1==5

```

```

-----
-----

```

```

-> year = 1

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_b |   185  3.562162  .7992358     1     5

```

```

-----
-----

```

```

-> year = 2

```

```

Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
belf_kn_b |    99  3.565657  .8226589     1     5

```

```

. xi: ologit belf_kn_b i.year if cc_adopt1==5, or

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

Iteration 0: log likelihood = -337.604

Iteration 1: log likelihood = -337.5835

Iteration 2: log likelihood = -337.5835

Ordered logistic regression                      Number of obs =     284

LR chi2(1)     =     0.04

Prob > chi2     =     0.8395

Log likelihood = -337.5835                      Pseudo R2     =     0.0001

-----						
belf_kn_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.048481	.2451842	0.20	0.840	.6629943	1.658103
-----+-----						
/cut1	-4.93256	.7140487			-6.33207	-3.533051
/cut2	-2.278826	.2203205			-2.710646	-1.847006
/cut3	-.2528527	.14442			-.5359106	.0302052
/cut4	2.270075	.2189164			1.841006	2.699143
-----						

. xi: ologit belf\_kn\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -337.604

Iteration 1: log likelihood = -329.62998

Iteration 2: log likelihood = -329.58501

Iteration 3: log likelihood = -329.58499

Ordered logistic regression                      Number of obs =     284

LR chi2(12) =     16.04

Prob > chi2 =     0.1895

Log likelihood = -329.58499

Pseudo R2 =     0.0238

-----

belf\_kn\_b | Odds Ratio   Std. Err.     z   P>|z|   [95% Conf. Interval]

-----+-----

_lyear_2	1.185638	.2873196	0.70	0.482	.7373568	1.906456
_lorg_size_2	.7389279	.2698247	-0.83	0.407	.3612268	1.511556
_lorg_size_3	.7856717	.3426974	-0.55	0.580	.3341648	1.847233
_lorg_size_4	1.109808	.4517488	0.26	0.798	.4997638	2.46451
_lorg_size_5	1.014578	.4821137	0.03	0.976	.3997661	2.574926
_lcsect1_2	2.65955	1.149546	2.26	0.024	1.139962	6.20477
_lcsect1_3	1.356944	.6087093	0.68	0.496	.5632777	3.268895
_lcsect1_4	1.702646	.7028751	1.29	0.197	.7581183	3.823946
_lcsect1_5	.6569498	.3037557	-0.91	0.364	.265436	1.62594
_lcsect1_6	1.574876	.737412	0.97	0.332	.6290486	3.942836
_lcsect1_7	1.24655	.5601387	0.49	0.624	.5166797	3.007448
_lcomb_stat_2	.9840597	.2683799	-0.06	0.953	.5766013	1.679451

-----+-----

/cut1	-4.835141	.845549			-6.492387	-3.177896
/cut2	-2.145495	.5030304			-3.131416	-1.159573
/cut3	-.048404	.473661			-.9767625	.8799544
/cut4	2.552447	.5072666			1.558222	3.546671

-----

. bysort year: sum belf\_kn\_c if cc\_adopt1==5

-----  
-----



-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	186	4.075269	.7673973	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_c	99	4.161616	.7243163	2	5

. xi: ologit belf\_kn\_c i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -303.33558

Iteration 1: log likelihood = -303.02541

Iteration 2: log likelihood = -303.02531

Iteration 3: log likelihood = -303.02531

Ordered logistic regression                      Number of obs =     285

LR chi2(1)     =     0.62

Prob > chi2     =     0.4308

Log likelihood = -303.02531                      Pseudo R2     =     0.0010

belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----------	------------	-----------	---	------	----------------------

_lyear_2	1.209717	.2924558	0.79	0.431	.7531843	1.942972
-----+-----						
/cut1	-5.586639	1.004711			-7.555837	-3.617442
/cut2	-3.151775	.3173516			-3.773772	-2.529777
/cut3	-1.692132	.1846317			-2.054004	-1.330261
/cut4	.939083	.1557833			.6337534	1.244413
-----						

. xi: ologit belf\_kn\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -303.33558  
Iteration 1: log likelihood = -292.65517  
Iteration 2: log likelihood = -292.52354  
Iteration 3: log likelihood = -292.5234  
Iteration 4: log likelihood = -292.5234

Ordered logistic regression	Number of obs =	285
	LR chi2(12) =	21.62
	Prob > chi2 =	0.0420
Log likelihood = -292.5234	Pseudo R2 =	0.0356

belf_kn_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.465129	.3698671	1.51	0.130	.8932904 2.403028
_lorg_size_2	.6017086	.2275613	-1.34	0.179	.2867271 1.26271
_lorg_size_3	.5607316	.2538507	-1.28	0.201	.2308897 1.361775

_lorg_size_4	1.078275	.449192	0.18	0.856	.4765764	2.439644
_lorg_size_5	.7504843	.3752183	-0.57	0.566	.2816877	1.999472
_lcsect1_2	2.314045	1.02971	1.89	0.059	.96739	5.53531
_lcsect1_3	1.516054	.6953867	0.91	0.364	.6169977	3.725165
_lcsect1_4	1.607638	.6847212	1.11	0.265	.6976645	3.704503
_lcsect1_5	.7268964	.3462775	-0.67	0.503	.2857451	1.849125
_lcsect1_6	2.498568	1.246428	1.84	0.066	.9398609	6.642306
_lcsect1_7	2.301563	1.062667	1.81	0.071	.9311292	5.688997
_lcomb_stat_2	1.288899	.3629041	0.90	0.367	.7422553	2.238125

-----+-----

/cut1	-5.43327	1.112497		-7.613724	-3.252816
/cut2	-2.986115	.5728005		-4.108783	-1.863446
/cut3	-1.489767	.5086975		-2.486796	-.4927385
/cut4	1.300894	.5039353		.3131991	2.288589

-----

. bysort year: sum belf\_kn\_d if cc\_adopt1==5

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_d	181	3.01105	1.201799	1	5

-----

-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_d	181	3.01105	1.201799	1	5

belf\_kn\_d | 99 2.979798 1.220403 1 5

. xi: ologit belf\_kn\_d i.year if cc\_adopt1==5, or

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -416.38099

Iteration 1: log likelihood = -416.36508

Iteration 2: log likelihood = -416.36508

Ordered logistic regression Number of obs = 280

LR chi2(1) = 0.03

Prob > chi2 = 0.8584

Log likelihood = -416.36508 Pseudo R2 = 0.0000

-----						
belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9606609	.2161743	-0.18	0.858	.6180549	1.493183
-----+-----						
/cut1	-2.526435	.2404394			-2.997688	-2.055183
/cut2	-.2581538	.1440214			-.5404306	.024123
/cut3	.4814583	.1465094			.1943051	.7686115
/cut4	1.837273	.1913998			1.462136	2.21241
-----						

. xi: ologit belf\_kn\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)

i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -416.38099

Iteration 1: log likelihood = -409.08882

Iteration 2: log likelihood = -409.06306

Iteration 3: log likelihood = -409.06306

Ordered logistic regression                      Number of obs =     280

LR chi2(12)    =    14.64

Prob > chi2    =    0.2620

Log likelihood = -409.06306                      Pseudo R2     =    0.0176

-----+-----						
belf_kn_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9643781	.2215688	-0.16	0.875	.6147254	1.512911
_lorg_size_2	.7774758	.2842784	-0.69	0.491	.3797093	1.591925
_lorg_size_3	.8225116	.3561407	-0.45	0.652	.3520293	1.921787
_lorg_size_4	1.226803	.492941	0.51	0.611	.5581539	2.69647
_lorg_size_5	1.520572	.7102575	0.90	0.370	.6087121	3.798414
_lcsect1_2	1.197457	.5012365	0.43	0.667	.5271822	2.71994
_lcsect1_3	.9067387	.3750596	-0.24	0.813	.4030832	2.039716
_lcsect1_4	2.033181	.8039081	1.79	0.073	.9367334	4.413024
_lcsect1_5	.7865186	.3580802	-0.53	0.598	.3222408	1.919718
_lcsect1_6	.644623	.2961172	-0.96	0.339	.2619954	1.586054
_lcsect1_7	1.012024	.4517308	0.03	0.979	.4219346	2.427372
_lcomb_stat_2	.9524694	.2487706	-0.19	0.852	.5708606	1.589176
-----+-----						
/cut1	-2.609795	.512264			-3.613814	-1.605776
/cut2	-.2789226	.4739072			-1.207764	.6499184
/cut3	.4947398	.4722332			-.4308203	1.4203
/cut4	1.892492	.4855017			.9409264	2.844058

```
-----  
  
. bysort year: sum belf_kn_e if cc_adopt1==5  
  
-----  
-----
```

```
-> year = 1
```

```
Variable |    Obs    Mean  Std. Dev.    Min    Max  
-----+-----  
belf_kn_e |    171  3.023392  1.040097     1     5  
  
-----  
-----
```

```
-> year = 2
```

```
Variable |    Obs    Mean  Std. Dev.    Min    Max  
-----+-----  
belf_kn_e |     94  2.968085  1.111544     1     5  
  
-----  
-----
```

```
. xi: ologit belf_kn_e i.year if cc_adopt1==5, or  
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -379.77287
```

```
Iteration 1:  log likelihood = -379.67121
```

```
Iteration 2:  log likelihood = -379.6712
```

```
Ordered logistic regression          Number of obs  =    265
```

```
LR chi2(1)    =    0.20
```

```
Prob > chi2   =    0.6520
```

```
Log likelihood = -379.6712          Pseudo R2      =    0.0003
```

belf_kn_e   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	.9008404	.2086371	-0.45	0.652 .5721465 1.418367
-----+-----				
/cut1	-2.598221	.2524127		-3.092941 -2.103501
/cut2	-.6192443	.1526903		-.9185118 -.3199767
/cut3	.4804315	.1504299		.1855943 .7752687
/cut4	2.710016	.2689957		2.182794 3.237238
-----				

```
. xi: ologit belf_kn_e i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
Iteration 0: log likelihood = -379.77287
Iteration 1: log likelihood = -371.19483
Iteration 2: log likelihood = -371.15743
Iteration 3: log likelihood = -371.15742
```

```
Ordered logistic regression      Number of obs =    265
                                LR chi2(12)  =    17.23
                                Prob > chi2   =    0.1411
Log likelihood = -371.15742      Pseudo R2   =    0.0227
```

belf_kn_e   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				

_lyear_2	.8254931	.198642	-0.80	0.425	.5150923	1.322945
_lorg_size_2	.7759707	.2960037	-0.66	0.506	.367404	1.638878
_lorg_size_3	.5869007	.2530198	-1.24	0.216	.2521166	1.366242
_lorg_size_4	.7215583	.2925549	-0.80	0.421	.3259514	1.597313
_lorg_size_5	.6473636	.3275574	-0.86	0.390	.2401329	1.745199
_lcsect1_2	.7144701	.3207655	-0.75	0.454	.2963686	1.722407
_lcsect1_3	.7680951	.3313256	-0.61	0.541	.3297924	1.788914
_lcsect1_4	.5149374	.2145272	-1.59	0.111	.2275814	1.165124
_lcsect1_5	.2832429	.1330046	-2.69	0.007	.1128376	.7109915
_lcsect1_6	.4789659	.2334239	-1.51	0.131	.1842773	1.244908
_lcsect1_7	.3456699	.1596579	-2.30	0.021	.1398006	.854701
_lcomb_stat_2	1.270745	.3413552	0.89	0.372	.7505915	2.151361

/cut1	-3.51809	.5457276	-4.587696	-2.448483
/cut2	-1.474509	.501681	-2.457786	-.4912323
/cut3	-.3178679	.4937594	-1.285618	.6498828
/cut4	1.980573	.5268157	.9480334	3.013113

```
. bysort year: sum belf_kn_f if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_f	185	3.551351	.9773582	1	5

```
-> year = 2
```



Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_f	97	3.515464	.8910832	2	5

```
. xi: ologit belf_kn_f i.year if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -371.17638
Iteration 1: log likelihood = -371.11326
Iteration 2: log likelihood = -371.11326
```

```
Ordered logistic regression          Number of obs =    282
                                LR chi2(1)   =    0.13
                                Prob > chi2   =    0.7223
Log likelihood = -371.11326          Pseudo R2    =    0.0002
```

belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.9217696	.211287	-0.36	0.722	.5881809 1.444554
/cut1	-4.27051	.5103786			-5.270833 -3.270186
/cut2	-1.664074	.1808023			-2.01844 -1.309708
/cut3	-.3727357	.1459452			-.6587831 -.0866883
/cut4	1.861839	.1934834			1.482618 2.241059

```
. xi: ologit belf_kn_f i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

```
Iteration 0: log likelihood = -371.17638
Iteration 1: log likelihood = -363.29865
Iteration 2: log likelihood = -363.25284
Iteration 3: log likelihood = -363.25283
```

Ordered logistic regression	Number of obs	=	282
	LR chi2(12)	=	15.85
	Prob > chi2	=	0.1983
Log likelihood = -363.25283	Pseudo R2	=	0.0213

belf_kn_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9061004	.2143756	-0.42	0.677	.5698878	1.440666
_lorg_size_2	1.785015	.6394081	1.62	0.106	.8845733	3.60205
_lorg_size_3	1.961415	.8361035	1.58	0.114	.8505952	4.522889
_lorg_size_4	2.199328	.8637976	2.01	0.045	1.018535	4.749018
_lorg_size_5	2.450574	1.172168	1.87	0.061	.9596609	6.257743
_lcsect1_2	1.640719	.6998921	1.16	0.246	.7111016	3.785618
_lcsect1_3	.7927495	.3372744	-0.55	0.585	.3443446	1.825067
_lcsect1_4	1.146934	.4610523	0.34	0.733	.5216351	2.521798
_lcsect1_5	1.719547	.8024766	1.16	0.245	.6889319	4.291924
_lcsect1_6	2.118377	1.000789	1.59	0.112	.8392056	5.347344
_lcsect1_7	.7619273	.3255259	-0.64	0.525	.3297965	1.760277
_lcomb_stat_2	.800896	.2132037	-0.83	0.404	.4753141	1.349496
-----+-----						
/cut1	-3.706742	.6704993			-5.020897	-2.392588

/cut2	-1.078508	.4735917		-2.00673	-.1502849
/cut3	.2556154	.4705027		-.6665528	1.177784
/cut4	2.584103	.4992503		1.60559	3.562615

```
. bysort year: sum belf_kn_g if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_g	184	3.451087	.9625779	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
belf_kn_g	98	3.622449	.9362715	1	5

```
. xi: ologit belf_kn_g i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -379.05032
```

```
Iteration 1:  log likelihood = -377.69877
```

```
Iteration 2:  log likelihood = -377.69772
```

```
Iteration 3:  log likelihood = -377.69772
```

Ordered logistic regression                      Number of obs =     282

LR chi2(1)     =     2.71

Prob > chi2     =     0.1000

Log likelihood = -377.69772                      Pseudo R2     =     0.0036

-----+-----						
belf_kn_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.458002	.3351289	1.64	0.101	.9291917	2.287763
-----+-----						
/cut1	-3.418373	.3649681			-4.133697	-2.703048
/cut2	-1.711365	.1860691			-2.076054	-1.346677
/cut3	-.0390739	.1438729			-.3210597	.2429119
/cut4	2.005994	.1976988			1.618511	2.393476
-----						

. xi: ologit belf\_kn\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -379.05032

Iteration 1: log likelihood = -373.63154

Iteration 2: log likelihood = -373.61332

Iteration 3: log likelihood = -373.61332

Ordered logistic regression                      Number of obs =     282

LR chi2(12)     =     10.87

Prob > chi2     =     0.5397

Log likelihood = -373.61332                      Pseudo R2     =     0.0143

-----+-----						
belf_kn_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.54623	.3667616	1.84	0.066	.9713402	2.46137
_lorg_size_2	1.429746	.5103766	1.00	0.317	.7102405	2.878144
_lorg_size_3	1.456329	.629725	0.87	0.385	.6240151	3.398787
_lorg_size_4	1.834901	.7239814	1.54	0.124	.8467618	3.976162
_lorg_size_5	1.094432	.512947	0.19	0.847	.4367583	2.742437
_lcsect1_2	1.58287	.6501776	1.12	0.264	.7076312	3.540656
_lcsect1_3	.8450283	.3557795	-0.40	0.689	.3702479	1.928634
_lcsect1_4	1.351558	.5364716	0.76	0.448	.6208239	2.942393
_lcsect1_5	.6286961	.2715358	-1.07	0.283	.2696524	1.465809
_lcsect1_6	1.301265	.6097634	0.56	0.574	.519396	3.260113
_lcsect1_7	1.307614	.5530422	0.63	0.526	.5707846	2.99562
_lcomb_stat_2	.7927112	.210309	-0.88	0.381	.4712901	1.333342
-----+-----						
/cut1	-3.131976	.5645525			-4.238478	-2.025473
/cut2	-1.416952	.4699368			-2.338011	-.4958926
/cut3	.2790405	.454692			-.6121395	1.17022
/cut4	2.365992	.4801807			1.424856	3.307129
-----						

. xi: logistic con\_a i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     37

   LR chi2(1)     =     0.52

   Prob > chi2     =     0.4717

Log likelihood = -17.687724                      Pseudo R2       =     0.0144

con_a		Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		2.181817	2.522921	0.67	0.500	.2262249 21.04245
_cons		3.666667	1.688743	2.82	0.005	1.486746 9.042866
-----						

. xi: logistic con\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts success perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts success perfectly

      \_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts success perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_3 != 0 predicts success perfectly

      \_lcsect1\_3 dropped and 4 obs not used

note: \_lcsect1\_5 != 0 predicts success perfectly

      \_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs =     25

   LR chi2(6)     =     8.03

   Prob > chi2     =     0.2360

Log likelihood = -9.7628695                      Pseudo R2     =     0.2914

-----							
con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]		
-----+-----							
_lyear_2	4.299014	6.506185	0.96	0.335	.2213854	83.4812	
_lorg_size_2	1.387371	1.952188	0.23	0.816	.0879946	21.87405	
_lorg_size_3	1 (omitted)						
_lorg_size_4	1 (omitted)						
_lorg_size_5	1 (omitted)						
_lcsect1_2	.5428464	.9638932	-0.34	0.731	.0167209	17.62358	
_lcsect1_3	1 (omitted)						
_lcsect1_4	.5520961	.9176694	-0.36	0.721	.0212415	14.34973	
_lcsect1_5	1 (omitted)						
_lcsect1_6	.0551242	.1019436	-1.57	0.117	.0014695	2.067785	
_lcsect1_7	1 (omitted)						
_lcomb_stat_2	.0717732	.0963452	-1.96	0.050	.0051683	.9967304	
_cons	13.11694	18.98285	1.78	0.075	.7690817	223.7137	

. xi: logistic con\_b i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     37

   LR chi2(1)     =     0.10

   Prob > chi2     =     0.7473

Log likelihood = -24.488879                      Pseudo R2     =     0.0021

-----+-----						
con_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.294118	1.043136	0.32	0.749	.2665964	6.281932
_cons	1.545455	.5980183	1.12	0.261	.7239045	3.299372
-----						

. xi: logistic con\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts success perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_5 != 0 predicts success perfectly

      \_lcsect1\_5 dropped and 3 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 1 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs =        31

   LR chi2(8)    =        6.76

   Prob > chi2    =        0.5629

Log likelihood = -17.311139              Pseudo R2     =        0.1633

-----



con_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	8.237405	11.33944	1.53	0.126	.5546818 122.3311
_lorg_size_2	1.411143	1.38062	0.35	0.725	.2073867 9.601988
_lorg_size_3	1 (omitted)				
_lorg_size_4	1.931255	3.974772	0.32	0.749	.0341945 109.0743
_lorg_size_5	1 (omitted)				
_lcsect1_2	2.112226	2.983588	0.53	0.597	.1325534 33.65813
_lcsect1_3	1.193788	1.713174	0.12	0.902	.0716787 19.8822
_lcsect1_4	.3155836	.4386189	-0.83	0.407	.0207042 4.810279
_lcsect1_5	1 (omitted)				
_lcsect1_6	.0557523	.0989955	-1.63	0.104	.0017173 1.810018
_lcsect1_7	1 (omitted)				
_lcomb_stat_2	.4660681	.4730404	-0.75	0.452	.063755 3.407099
_cons	1.640763	1.554421	0.52	0.601	.2562346 10.50641

-----

. xi: logistic con\_c i.year if cc\_adopt1==1

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      37

   LR chi2(1)      =      1.47

   Prob > chi2      =      0.2254

Log likelihood = -17.211884                      Pseudo R2      =      0.0409

con_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	3	2.66927	1.23	0.217	.5245165 17.15866
_cons	.1666667	.0900103	-3.32	0.001	.0578292 .4803415

-----

. xi: logistic con\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

      \_lcsect1\_2 dropped and 4 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used

convergence not achieved

Logistic regression                      Number of obs =     25

   LR chi2(3)    =    15.74

   Prob > chi2    =    0.0013

Log likelihood = -6.9543031              Pseudo R2     =    0.5309

-----  
con\_c | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----

_lyear_2	2.66e+16	.	.	.	.	.	.
_lorg_size_2	1.189541	1.866511	0.11	0.912	.0549233	25.76331	
_lorg_size_3	1 (omitted)						
_lorg_size_4	2.46e+24	4.93e+24	28.04	0.000	4.86e+22	1.25e+26	
_lorg_size_5	1 (omitted)						
_lcsect1_2	1 (omitted)						
_lcsect1_3	1.32e-08	.	.	.	.	.	
_lcsect1_4	1.15e-24	.	.	.	.	.	
_lcsect1_5	2.598197	4.374377	0.57	0.571	.0958456	70.43234	
_lcsect1_6	1 (omitted)						
_lcsect1_7	1 (omitted)						
_lcomb_stat_2	2.19e-08	.	.	.	.	.	
_cons	.3528892	.5005541	-0.73	0.463	.0218905	5.68881	

-----

Note: 11 failures and 3 successes completely determined.

convergence not achieved

r(430);

end of do-file

r(430);

. do "C:\Users\Ahmad\Temp\STD02000000.tmp"

. xi: logistic con\_d i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        37

   LR chi2(1)        =        0.33

   Prob > chi2        =        0.5634

Log likelihood = -22.34972                      Pseudo R2        =        0.0074

	con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
	_lyear_2	.6031746	.5417166	-0.56	0.574	.103746 3.506831
	_cons	.4736842	.1916769	-1.85	0.065	.2143133 1.046957

```
. xi: logistic con d i.year i.org size i.csect1 i.comb stat if cc_adopt1==1
```

i.year      lyear 1-2      (naturally coded; lyear 1 omitted)

i.org\_size      \_log\_size\_1-5      (naturally coded; \_log\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    lcomb\_stat\_1-2    (naturally coded; lcomb\_stat\_1 omitted)

note: `lorg_size_3 != 0` predicts success perfectly

lorg\_size 3 dropped and 2 obs not used

note: `long size 5 != 0` predicts failure perfectly

long size 5 dropped and 1 obs not used

note:  $lcsect1 \neq 0$  predicts failure perfectly

lcsect1 3 dropped and 4 obs not used

note:  $\text{lcsect1} \neq 0$  predicts failure perfectly

lcsect1 6 dropped and 4 obs not used

note: `_lcsect1_7 != 0` predicts failure perfectly

lcsect1 7 dropped and 1 obs not used

Logistic regression                      Number of obs =        25

$$\text{LR chi2(7)} = 4.36$$

Prob > chi2 = 0.7370

Log likelihood = -14.153492

Pseudo R2 = 0.1336

con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.2180376	.3277494	-1.01	0.311	.0114558	4.149912
_lorg_size_2	.2102476	.2343078	-1.40	0.162	.0236657	1.86785
_lorg_size_3	1 (omitted)					
_lorg_size_4	1.24848	2.566338	0.11	0.914	.0222166	70.15944
_lorg_size_5	1 (omitted)					
_lcsect1_2	.1965847	.3009322	-1.06	0.288	.0097843	3.949757
_lcsect1_3	1 (omitted)					
_lcsect1_4	.4807762	.6634734	-0.53	0.596	.0321574	7.18795
_lcsect1_5	1.309058	2.23468	0.16	0.875	.0461192	37.15663
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	2.420135	2.591978	0.83	0.409	.2966183	19.74609
_cons	1.666002	1.700047	0.50	0.617	.2254653	12.31037

. xi: logistic con\_e i.year if cc\_adopt1==1

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 37

LR chi2(1) = 0.13

Prob > chi2 = 0.7134

Log likelihood = -10.344411

Pseudo R2 = 0.0065

---

con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-------	------------	-----------	---	------	----------------------	--

```

-----+-----
      _lyear_2 |  1.625001  2.095849   0.38  0.707   .1297222  20.35602
      _cons |  .0769231  .0564461  -3.50  0.000   .0182577  .3240916
-----

```

. xi: logistic con\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)

i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

\_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

\_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

\_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

\_lcsect1\_2 dropped and 4 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

\_lcsect1\_3 dropped and 4 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

\_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

\_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 1 obs not used

note: \_lcomb\_stat\_2 != 0 predicts failure perfectly

\_lcomb\_stat\_2 dropped and 6 obs not used

Logistic regression                      Number of obs =     11  
   LR chi2(3)     =     0.48  
   Prob > chi2     =     0.9233  
Log likelihood = -6.2054557              Pseudo R2     =     0.0372

-----						
con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.536461	3.002265	0.22	0.826	.0333628	70.75883
_lorg_size_2	2.487248	3.762617	0.60	0.547	.1282488	48.23754
_lorg_size_3	1 (omitted)					
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	1 (omitted)					
_lcsect1_3	1 (omitted)					
_lcsect1_4	1.536461	3.002265	0.22	0.826	.0333628	70.75883
_lcsect1_5	1 (omitted)					
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	1 (omitted)					
_cons	.1719212	.2417194	-1.25	0.210	.0109282	2.704641

. xi: logistic con\_f i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        37

LR chi2(1)        =        0.02

Prob > chi2        =        0.8962

Log likelihood = -23.977811                      Pseudo R2        =        0.0004

-----						
con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9000001	.7286976	-0.13	0.896	.1841007	4.399767
_cons	.5555556	.2191141	-1.49	0.136	.2564538	1.203499
-----						

. xi: logistic con\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts success perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used



Logistic regression                      Number of obs =     31

   LR chi2(8)     =     5.32

   Prob > chi2     =     0.7233

Log likelihood = -18.032284                      Pseudo R2     =     0.1285

-----						
con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.423278	1.620777	0.31	0.757	.152747	13.26194
_lorg_size_2	.3526571	.3302994	-1.11	0.266	.0562491	2.211005
_lorg_size_3	1 (omitted)					
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	.6853125	.8717918	-0.30	0.766	.0566328	8.292955
_lcsect1_3	.1494552	.215531	-1.32	0.187	.0088508	2.523701
_lcsect1_4	.1797264	.260618	-1.18	0.237	.0104785	3.082647
_lcsect1_5	.6806877	1.112651	-0.24	0.814	.0276424	16.76178
_lcsect1_6	.1489472	.2296029	-1.24	0.217	.0072594	3.056076
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.3432172	.3665467	-1.00	0.317	.0423164	2.783744
_cons	2.473864	2.351672	0.95	0.341	.3838995	15.94168

. xi: logistic con\_g i.year if cc\_adopt1==1

i.year            \_lyear\_1-2            (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     37

   LR chi2(1)     =     0.10

   Prob > chi2     =     0.7473

Log likelihood = -24.488879                      Pseudo R2     =     0.0021

	con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2		.7727273	.6228645	-0.32	0.749	.1591867	3.750988
_cons		.6470588	.2503813	-1.12	0.261	.303088	1.381398

```
. xi: logistic con_g i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)

i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)

i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

note: _lorg_size_4 != 0 predicts failure perfectly
      _lorg_size_4 dropped and 2 obs not used
```

note: `_log_size_5 != 0` predicts success perfectly  
`_log_size_5` dropped and 1 obs not used

note: `_lcsect1_7 != 0` predicts failure perfectly  
`_lcsect1_7` dropped and 1 obs not used

Logistic regression	Number of obs	=	33
	LR chi2(9)	=	13.06
	Prob > chi2	=	0.1597
Log likelihood = -15.593617	Pseudo R2	=	0.2952

con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
1	1				
2	1.00	0.00	0.00	1.00	[0.99, 1.01]
3	1.00	0.00	0.00	1.00	[0.99, 1.01]
4	1.00	0.00	0.00	1.00	[0.99, 1.01]
5	1.00	0.00	0.00	1.00	[0.99, 1.01]
6	1.00	0.00	0.00	1.00	[0.99, 1.01]
7	1.00	0.00	0.00	1.00	[0.99, 1.01]
8	1.00	0.00	0.00	1.00	[0.99, 1.01]
9	1.00	0.00	0.00	1.00	[0.99, 1.01]
10	1.00	0.00	0.00	1.00	[0.99, 1.01]
11	1.00	0.00	0.00	1.00	[0.99, 1.01]
12	1.00	0.00	0.00	1.00	[0.99, 1.01]
13	1.00	0.00	0.00	1.00	[0.99, 1.01]
14	1.00	0.00	0.00	1.00	[0.99, 1.01]
15	1.00	0.00	0.00	1.00	[0.99, 1.01]
16	1.00	0.00	0.00	1.00	[0.99, 1.01]
17	1.00	0.00	0.00	1.00	[0.99, 1.01]
18	1.00	0.00	0.00	1.00	[0.99, 1.01]
19	1.00	0.00	0.00	1.00	[0.99, 1.01]
20	1.00	0.00	0.00	1.00	[0.99, 1.01]
21	1.00	0.00	0.00	1.00	[0.99, 1.01]
22	1.00	0.00	0.00	1.00	[0.99, 1.01]
23	1.00	0.00	0.00	1.00	[0.99, 1.01]
24	1.00	0.00	0.00	1.00	[0.99, 1.01]
25	1.00	0.00	0.00	1.00	[0.99, 1.01]
26	1.00	0.00	0.00	1.00	[0.99, 1.01]
27	1.00	0.00	0.00	1.00	[0.99, 1.01]
28	1.00	0.00	0.00	1.00	[0.99, 1.01]
29	1.00	0.00	0.00	1.00	[0.99, 1.01]
30	1.00	0.00	0.00	1.00	[0.99, 1.01]
31	1.00	0.00	0.00	1.00	[0.99, 1.01]
32	1.00	0.00	0.00	1.00	[0.99, 1.01]
33	1.00	0.00	0.00	1.00	[0.99, 1.01]
34	1.00	0.00	0.00	1.00	[0.99, 1.01]
35	1.00	0.00	0.00	1.00	[0.99, 1.01]
36	1.00	0.00	0.00	1.00	[0.99, 1.01]
37	1.00	0.00	0.00	1.00	[0.99, 1.01]
38	1.00	0.00	0.00	1.00	[0.99, 1.01]
39	1.00	0.00	0.00	1.00	[0.99, 1.01]
40	1.00	0.00	0.00	1.00	[0.99, 1.01]
41	1.00	0.00	0.00	1.00	[0.99, 1.01]
42	1.00	0.00	0.00	1.00	[0.99, 1.01]
43	1.00	0.00	0.00	1.00	[0.99, 1.01]
44	1.00	0.00	0.00	1.00	[0.99, 1.01]
45	1.00	0.00	0.00	1.00	[0.99, 1.01]
46	1.00	0.00	0.00	1.00	[0.99, 1.01]
47	1.00	0.00	0.00	1.00	[0.99, 1.01]
48	1.00	0.00	0.00	1.00	[0.99, 1.01]
49	1.00	0.00	0.00	1.00	[0.99, 1.01]
50	1.00	0.00	0.00	1.00	[0.99, 1.01]
51	1.00	0.00	0.00	1.00	[0.99, 1.01]
52	1.00	0.00	0.00	1.00	[0.99, 1.01]
53	1.00	0.00	0.00	1.00	[0.99, 1.01]
54	1.00	0.00	0.00	1.00	[0.99, 1.01]
55	1.00	0.00	0.00	1.00	[0.99, 1.01]
56	1.00	0.00	0.00	1.00	[0.99, 1.01]
57	1.00	0.00	0.00	1.00	[0.99, 1.01]
58					

_lyear_2	.2541222	.3235165	-1.08	0.282	.0209604	3.080956
_lorg_size_2	.1567876	.182372	-1.59	0.111	.0160403	1.532538
_lorg_size_3	5.537329	18.38883	0.52	0.606	.008252	3715.715
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	.1249356	.1957664	-1.33	0.184	.005793	2.694425
_lcsect1_3	.116895	.1810025	-1.39	0.166	.0056206	2.431157
_lcsect1_4	8.893238	15.13643	1.28	0.199	.3164477	249.9297
_lcsect1_5	.5417052	.9460071	-0.35	0.726	.0176712	16.60578
_lcsect1_6	.2140694	.3534686	-0.93	0.351	.0084151	5.445624
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.0654612	.0911811	-1.96	0.050	.0042692	1.003749
_cons	5.382223	6.056338	1.50	0.135	.593128	48.83992

. xi: logistic con\_h i.year if cc\_adopt1==1

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	37
	LR chi2(1) =	0.08
	Prob > chi2 =	0.7742
Log likelihood = -17.905526	Pseudo R2 =	0.0023

con_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.314286	1.237339	0.29	0.772	.2076456 8.318725
_cons	.2173913	.1072685	-3.09	0.002	.0826474 .5718142

. xi: logistic con\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

      \_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used

note: \_lcomb\_stat\_2 != 0 predicts failure perfectly

      \_lcomb\_stat\_2 dropped and 7 obs not used

Logistic regression                      Number of obs =     18

   LR chi2(5)    =     0.69

   Prob > chi2    =     0.9837

Log likelihood = -11.685419              Pseudo R2       =     0.0285

con_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.425361	3.48534	0.62	0.538	.1450661	40.54962
_lorg_size_2	1.098877	1.176612	0.09	0.930	.1347514	8.961173
_lorg_size_3	1 (omitted)					
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	.9623086	1.427153	-0.03	0.979	.0525943	17.60718
_lcsect1_3	1.562299	2.053025	0.34	0.734	.1189038	20.52733
_lcsect1_4	.5146283	.867176	-0.39	0.693	.018931	13.98986
_lcsect1_5	1 (omitted)					
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	1 (omitted)					
_cons	.5033435	.5239105	-0.66	0.510	.0654458	3.871211

. xi: logistic con\_i i.year if cc\_adopt1==1

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      37

   LR chi2(1)      =      0.70

   Prob > chi2      =      0.4015

Log likelihood = -14.30135                      Pseudo R2      =      0.0240

-----+-----						
con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.380952	2.400149	0.86	0.389	.3301309	17.17178
_cons	.12	.0733212	-3.47	0.001	.0362317	.3974422

-----

. xi: logistic con\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

      \_lcsect1\_2 dropped and 4 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

      \_lcsect1\_4 dropped and 5 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

      \_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 1 obs not used

note: \_lcomb\_stat\_2 != 0 predicts failure perfectly

      \_lcomb\_stat\_2 dropped and 5 obs not used

Logistic regression                      Number of obs =     15

   LR chi2(4)     =     1.26

   Prob > chi2     =     0.8687

Log likelihood = -8.9194434                      Pseudo R2     =     0.0658

con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	4.960169	8.180873	0.97	0.332	.1957034	125.7171
_lorg_size_2	1.450185	2.19771	0.25	0.806	.0743797	28.27435
_lorg_size_3	1 (omitted)					
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	1 (omitted)					
_lcsect1_3	.4798974	.7371183	-0.48	0.633	.0236434	9.740624
_lcsect1_4	1 (omitted)					
_lcsect1_5	1 (omitted)					
_lcsect1_6	.401113	.7506104	-0.49	0.625	.0102423	15.70856
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	1 (omitted)					
_cons	.3842002	.5072574	-0.72	0.469	.0288882	5.109686

. xi: logistic con\_j i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     37

   LR chi2(1)     =     0.90

   Prob > chi2     =     0.3428

Log likelihood = -18.866797                      Pseudo R2     =     0.0233

	con_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
	_lyear_2	2.300001	1.98318	0.97	0.334	.4244025	12.46459
	_cons	.2173913	.1072685	-3.09	0.002	.0826474	.5718142

```
. xi: logistic con_j i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1
```

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_log\_size\_1-5      (naturally coded; \_log\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    lcomb\_stat\_1-2    (naturally coded; lcomb\_stat\_1 omitted)

note: `_lorg_size_3 != 0` predicts failure perfectly

\_lorg\_size\_3 dropped and 2 obs not used

note: `_lorg_size_4 != 0` predicts failure perfectly

\_lorg\_size\_4 dropped and 2 obs not used

note: `_lorg_size_5 != 0` predicts failure perfectly

\_lorg\_size\_5 dropped and 1 obs not used

note: `_lcsect1_5 != 0` predicts failure perfectly

\_lcsect1\_5 dropped and 2 obs not used

note: `_lcsect1_7 != 0` predicts failure perfectly

\_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs =        29

$$\text{LR chi2(7)} = 2.52$$



Prob > chi2 = 0.9256

Log likelihood = -15.821187

Pseudo R2 = 0.0738

```
-----
      con_j | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      _lyear_2 | 1.580605   1.74245    0.42  0.678   .1821644   13.7146
      _lorg_size_2 | .7532777   .7463856   -0.29  0.775   .1080293   5.25253
      _lorg_size_3 |          1 (omitted)
      _lorg_size_4 |          1 (omitted)
      _lorg_size_5 |          1 (omitted)
      _lcsect1_2 | .8989373   1.275075   -0.08  0.940   .0557653   14.49087
      _lcsect1_3 | .604778    .8500976   -0.36  0.721   .0384695   9.507697
      _lcsect1_4 | 1.849873   2.402903    0.47  0.636   .1450336   23.59473
      _lcsect1_5 |          1 (omitted)
      _lcsect1_6 | .6436289   .9743681   -0.29  0.771   .0331154   12.50953
      _lcsect1_7 |          1 (omitted)
      _lcomb_stat_2 | .2495916   .3067364   -1.13  0.259   .0224462   2.775344
      _cons | .5185648   .4884151   -0.70  0.486   .0818636   3.284848
-----
```

. xi: logistic con\_k i.year if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 37

LR chi2(1) = 0.14

Prob > chi2 = 0.7051

Log likelihood = -21.518904

Pseudo R2 = 0.0033

```
-----
      con_k | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
```

```

-----+-----
      _lyear_2 |    1.4  1.266096   0.37  0.710   .2378702  8.239788
      _cons |    2.5  1.045825   2.19  0.028   1.101176  5.675749
-----+-----

```

. xi: logistic con\_k i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)

i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts success perfectly

\_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_3 != 0 predicts success perfectly

\_lcsect1\_3 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts success perfectly

\_lcsect1\_7 dropped and 1 obs not used

```

Logistic regression              Number of obs =    31
                                LR chi2(9)   =    7.84
                                Prob > chi2   =    0.5501
Log likelihood = -15.571682      Pseudo R2   =    0.2012

```

```

-----+-----
      con_k | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
      _lyear_2 |  3.270908  4.590104   0.84  0.398   .20901  51.18817
      _lorg_size_2 | .1435326 .1795518  -1.55  0.121   .0123635  1.666325
      _lorg_size_3 | .0575906 .1272183  -1.29  0.196   .0007586  4.371869

```

```

_lorg_size_4 | .2754219 .6041896 -0.59 0.557 .0037388 20.28938
_lorg_size_5 |      1 (omitted)
_lcsect1_2 | 1.043983 1.678666 0.03 0.979 .0446693 24.39932
_lcsect1_3 |      1 (omitted)
_lcsect1_4 | .2612361 .4031389 -0.87 0.384 .01269 5.377807
_lcsect1_5 | .9219423 1.738774 -0.04 0.966 .0228742 37.1588
_lcsect1_6 | .0622813 .1168685 -1.48 0.139 .0015744 2.463805
_lcsect1_7 |      1 (omitted)
_lcomb_stat_2 | .495787 .5501768 -0.63 0.527 .0563266 4.36392
_cons | 13.89851 18.11313 2.02 0.043 1.080554 178.7681

```

```

. xi: logistic con_l i.year if cc_adopt1==1

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

```

Logistic regression              Number of obs =      37
                                LR chi2(1)   =      0.07
                                Prob > chi2   =      0.7846
Log likelihood = -24.942906      Pseudo R2   =      0.0015

```

```

con_l | Odds Ratio Std. Err.   z  P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 | .8088235 .6263724 -0.27 0.784 .1772813 3.690156
_cons | 1.545455 .5980183 1.12 0.261 .7239045 3.299372

```

```

. xi: logistic con_l i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7    (naturally coded; _lcsect1_1 omitted)

```

con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.924098	2.205187	0.57	0.568	.2035516	18.18778
_lorg_size_2	.2918911	.2862674	-1.26	0.209	.0426991	1.995367
_lorg_size_3	.1190985	.2366955	-1.07	0.284	.0024223	5.855693
_lorg_size_4	2.664723	5.486901	0.48	0.634	.0470926	150.7827
_lorg_size_5	1 (omitted)					
_lcsect1_2	2.17556	3.318291	0.51	0.610	.1094633	43.23879
_lcsect1_3	.2126212	.2930699	-1.12	0.261	.0142672	3.168648
_lcsect1_4	.0701445	.106612	-1.75	0.080	.0035666	1.37952
_lcsect1_5	1.306026	2.333009	0.15	0.881	.0393926	43.30013
_lcsect1_6	.2034384	.3013602	-1.07	0.282	.0111563	3.709766
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.4505354	.4842706	-0.74	0.458	.0548013	3.703964
_cons	5.350008	5.503991	1.63	0.103	.712285	40.18418

. xi: logistic con\_m i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        37

LR chi2(1)        =        0.00

Prob > chi2        =        0.9735

Log likelihood = -12.673483                      Pseudo R2        =        0.0000

con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.041667	1.275067	0.03	0.973	.0945809	11.4724
_cons	.12	.0733212	-3.47	0.001	.0362317	.3974422
-----						

. xi: logistic con\_m i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_2 != 0 predicts failure perfectly

      \_lorg\_size\_2 dropped and 14 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

      \_lcsect1\_5 dropped and 1 obs not used

\_lcsect1\_6 dropped and 3 obs not used

\_lcsect1\_7 dropped and 1 obs not used

convergence not achieved

Logistic regression                      Number of obs =     15

$$\text{LR chi2(3)} = 11.85$$

Prob > chi2 = 0.0079

Log likelihood = -2.7725888      Pseudo R2      =      0.6813

con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	2.83e+07	1.50e+11	0.00	0.997	0 .
_lorg_size_2	1 (omitted)				
_lorg_size_3	1 (omitted)				
_lorg_size_4	3.67e+15	2.52e+23	0.00	1.000	0 .
_lorg_size_5	1 (omitted)				
_lcsect1_2	6.59e+22	4.53e+30	0.00	1.000	0 .
_lcsect1_3	2.52e+30	1.73e+38	0.00	1.000	0 .
_lcsect1_4	6.87e+14	.	.	.	.
_lcsect1_5	1 (omitted)				
_lcsect1_6	1 (omitted)				
_lcsect1_7	1 (omitted)				
_lcomb_stat_2	2.51e+15	1.73e+23	0.00	1.000	0 .
_cons	3.97e-31	2.73e-23	-0.00	1.000	0 .

Note: 6 failures and 1 success completely determined.

convergence not achieved

r(430);

end of do-file

r(430);

. do "C:\Users\Ahmad\Temp\STD02000000.tmp"

. xi: logistic con\_n i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     37

LR chi2(1)     =     1.40

Prob > chi2    =     0.2361

Log likelihood = -11.972278                      Pseudo R2     =     0.0554

-----						
con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.714286	4.037001	1.21	0.227	.441283	31.2632
_cons	.0769231	.0564461	-3.50	0.000	.0182577	.3240916
-----						

. xi: logistic con\_n i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

\_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

\_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

\_lcsect1\_2 dropped and 4 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

\_lcsect1\_3 dropped and 4 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

\_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

\_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 1 obs not used

Logistic regression	Number of obs	=	19
	LR chi2(5)	=	3.77
	Prob > chi2	=	0.5832
Log likelihood = -7.8940107	Pseudo R2	=	0.1927

-----						
con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	8.545487	14.89712	1.23	0.218	.2804531	260.3834
_lorg_size_2	.4917012	.7725855	-0.45	0.651	.0226074	10.69428



```

_lorg_size_3 |      1 (omitted)
_lorg_size_4 | 11.93908 31.92368  0.93 0.354  .0632353 2254.147
_lorg_size_5 |      1 (omitted)
_lcsect1_2 |      1 (omitted)
_lcsect1_3 |      1 (omitted)
_lcsect1_4 | .5065995 .9112511 -0.38 0.705  .0149127 17.20966
_lcsect1_5 |      1 (omitted)
_lcsect1_6 |      1 (omitted)
_lcsect1_7 |      1 (omitted)
_lcomb_stat_2 | .7749787 1.200887 -0.16 0.869  .0371783 16.15435
      _cons | .1653348 .2245124 -1.33 0.185  .0115477 2.367189

```

```

. xi: logistic con_o i.year if cc_adopt1==1

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

```

Logistic regression              Number of obs =      37
                                LR chi2(1)   =      0.03
                                Prob > chi2   =      0.8649
Log likelihood = -20.51274        Pseudo R2   =      0.0007

```

```

con_o | Odds Ratio Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
_lyear_2 | .8571429 .7824608  -0.17  0.866   .1432241  5.129681
_cons | .3333333 .1454786  -2.52  0.012   .1417046 .7841038

```

```

. xi: logistic con_o i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==1

```

```

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

```

```

i.org_size  _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)

```

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

    \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

    \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

    \_lcsect1\_3 dropped and 4 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

    \_lcsect1\_5 dropped and 2 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

    \_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts success perfectly

    \_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs    =     23

   LR chi2(6)        =    13.64

   Prob > chi2      =    0.0339

Log likelihood = -8.0393153              Pseudo R2        =    0.4590

-----  
         con\_o | Odds Ratio   Std. Err.    z   P>|z|    [95% Conf. Interval]

-----+-----  
      \_lyear\_2 | 7.34e+15 7.23e+19 0.00 0.997      0        .  
      \_lorg\_size\_2 | 1.47719 2.140897 0.27 0.788   .0862555 25.29799

```

_lorg_size_3 |      1 (omitted)
_lorg_size_4 | 5.27e+23 6.36e+27 0.00 0.996      0      .
_lorg_size_5 |      1 (omitted)
_lcsect1_2 | 3.120324 4.913703 0.72 0.470 .1424877 68.33166
_lcsect1_3 |      1 (omitted)
_lcsect1_4 | 3.35e-24 4.05e-20 -0.00 0.996      0      .
_lcsect1_5 |      1 (omitted)
_lcsect1_6 |      1 (omitted)
_lcsect1_7 |      1 (omitted)
_lcomb_stat_2 | 1.24e-08 .0000837 -0.00 0.998      0      .
      _cons | .5660837 .7387568 -0.44 0.663 .0438567 7.306766

```

-----

Note: 7 failures and 1 success completely determined.

. xi: logistic con\_p i.year if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

```

Logistic regression              Number of obs =    37
                                LR chi2(1)   =    0.10
                                Prob > chi2   =    0.7473
Log likelihood = -24.488879      Pseudo R2    =    0.0021

```

-----

con_p   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2   .7727273	.6228645	-0.32	0.749	.1591867 3.750988
_cons   .6470588	.2503813	-1.12	0.261	.303088 1.381398

-----

. xi: logistic con\_p i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1    \_lcsect1\_1-7    (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

    \_lorg\_size\_3 dropped and 2 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

    \_lorg\_size\_4 dropped and 2 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

    \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

    \_lcsect1\_4 dropped and 5 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

    \_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs =    26

   LR chi2(7)    =    3.51

   Prob > chi2    =    0.8341

Log likelihood = -16.189528              Pseudo R2    =    0.0978

-----

con\_p | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

-----+-----

    \_lyear\_2 |   1.464998   1.917643   0.29   0.771   .1126255   19.05624

    \_lorg\_size\_2 |   .4668679   .4701509   -0.76   0.449   .0648645   3.360325

    \_lorg\_size\_3 |            1 (omitted)

    \_lorg\_size\_4 |            1 (omitted)

```

_lorg_size_5 |      1 (omitted)
_lcsect1_2 |  1.888849  2.628266   0.46  0.648   .1235324  28.8811
_lcsect1_3 |  .1983208   .28049  -1.14  0.253   .012402  3.171346
_lcsect1_4 |      1 (omitted)
_lcsect1_5 |  .8269263  1.336885  -0.12  0.906   .0347806  19.66061
_lcsect1_6 |  .4937426  .6274448  -0.56  0.579   .0409071  5.959392
_lcsect1_7 |      1 (omitted)
_lcomb_stat_2 |  1.708849  1.855209   0.49  0.622   .2035158  14.34859
_cons |  1.769849  1.747747   0.58  0.563   .2554844  12.26049

```

. xi: logistic con\_w i.year if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

\_lyear\_2 dropped and 9 obs not used

```

Logistic regression              Number of obs =      28
                                LR chi2(0)   =      0.00
                                Prob > chi2   =      .
Log likelihood = -4.3141309      Pseudo R2   =      0.0000

```

```

-----+-----
con_w | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 |      1 (omitted)
_cons |  .037037  .0377167  -3.24  0.001   .0050329  .2725571

```

. xi: logistic con\_w i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1    \_lcsect1\_1-7    (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

    \_lyear\_2 dropped and 9 obs not used

note: \_lorg\_size\_2 != 1 predicts failure perfectly

    \_lorg\_size\_2 dropped and 16 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

    \_lcsect1\_2 dropped and 1 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

    \_lcsect1\_3 dropped and 1 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

    \_lcsect1\_4 dropped and 1 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

    \_lcsect1\_5 dropped and 1 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

    \_lcsect1\_6 dropped and 1 obs not used

note: \_lcomb\_stat\_2 != 1 predicts failure perfectly

    \_lcomb\_stat\_2 dropped and 5 obs not used

note: \_lorg\_size\_3 omitted because of collinearity

note: \_lorg\_size\_4 omitted because of collinearity

note: \_lorg\_size\_5 omitted because of collinearity

note: \_lcsect1\_7 omitted because of collinearity

Logistic regression                      Number of obs =        2

   LR chi2(0)     =        0.00

   Prob > chi2     =        .

Log likelihood = -1.3862944                      Pseudo R2     =        0.0000

-----					
con_w	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1 (omitted)				
_lorg_size_2	1 (omitted)				
_lorg_size_3	1 (omitted)				
_lorg_size_4	1 (omitted)				
_lorg_size_5	1 (omitted)				
_lcsect1_2	1 (omitted)				
_lcsect1_3	1 (omitted)				
_lcsect1_4	1 (omitted)				
_lcsect1_5	1 (omitted)				
_lcsect1_6	1 (omitted)				
_lcsect1_7	1 (omitted)				
_lcomb_stat_2	1 (omitted)				
_cons	1	1.414214	0.00	1.000	.0625488 15.98751
-----					

. xi: logistic con\_x i.year if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 9 obs not used

Logistic regression                      Number of obs =        28

LR chi2(0) = -0.00

Prob > chi2 = .

Log likelihood = -15.745384

Pseudo R2 = -0.0000

---

con_x   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>				
-----+-----				
_lyear_2   1 (omitted)				
_cons   .3333333	.1454786	-2.52	0.012	.1417046 .7841038

---

. xi: logistic con\_x i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==1

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 9 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 1 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 1 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

      \_lcsect1\_2 dropped and 4 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

      \_lcsect1\_3 dropped and 3 obs not used



note: \_lcsect1\_6 != 0 predicts success perfectly

\_lcsect1\_6 dropped and 2 obs not used

note: \_lcsect1\_7 != 0 predicts success perfectly

\_lcsect1\_7 dropped and 1 obs not used

Logistic regression                      Number of obs =     16  
   LR chi2(4)     =    10.22  
   Prob > chi2     =    0.0369  
Log likelihood = -3.8883066              Pseudo R2     =    0.5678

-----						
con_x	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1 (omitted)					
_lorg_size_2	1.53e+22	1.50e+26	0.01	0.996	0	.
_lorg_size_3	1 (omitted)					
_lorg_size_4	3.55e+07	2.12e+11	0.00	0.998	0	.
_lorg_size_5	1 (omitted)					
_lcsect1_2	1 (omitted)					
_lcsect1_3	1 (omitted)					
_lcsect1_4	1.73e+15	1.33e+19	0.00	0.996	0	.
_lcsect1_5	2.65e+13	.	.	.	.	.
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	8.19e-08	.0004048	-0.00	0.997	0	.
_cons	1.63e-23	1.59e-19	-0.01	0.996	0	.
-----						

Note: 4 failures and 1 success completely determined.

```
. xi: logistic con_a i.year if cc_adopt1==2
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Logistic regression              Number of obs =    147
```

```
LR chi2(1)    =    0.47
```

```
Prob > chi2   =    0.4914
```

```
Log likelihood = -83.771639      Pseudo R2    =    0.0028
```

-----						
con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.359375	.6159575	0.68	0.498	.5592994	3.303955
_cons	2.666667	.5708992	4.58	0.000	1.75282	4.056954
-----						

```
. xi: logistic con_a i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==2
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7    (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
note: _lorg_size_5 != 0 predicts success perfectly
```

```
_lorg_size_5 dropped and 14 obs not used
```

```
Logistic regression              Number of obs =    133
```

```
LR chi2(11)   =    8.06
```

```
Prob > chi2   =    0.7078
```

```
Log likelihood = -75.539038      Pseudo R2    =    0.0507
```

---

con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-------	------------	-----------	---	------	----------------------	--

---

```

-----+-----
    _lyear_2 | 1.209659 .6016203 0.38 0.702 .4563736 3.20631
    _lorg_size_2 | 1.511483 .7402858 0.84 0.399 .5787709 3.947299
    _lorg_size_3 | 1.418586 .9966483 0.50 0.619 .3579576 5.621857
    _lorg_size_4 | 1.582786 .9571479 0.76 0.448 .4838165 5.178021
    _lorg_size_5 |      1 (omitted)
    _lcsect1_2 | 1.766419 1.083556 0.93 0.354 .5308233 5.878105
    _lcsect1_3 | 1.723427 1.239029 0.76 0.449 .4211492 7.05261
    _lcsect1_4 | 3.624958 2.672184 1.75 0.081 .8547298 15.37365
    _lcsect1_5 | 1.808773 1.081181 0.99 0.321 .5605113 5.836919
    _lcsect1_6 | 7.177258 8.010435 1.77 0.077 .805276 63.96942
    _lcsect1_7 | 1.616797 1.296589 0.60 0.549 .3357649 7.785306
    _lcomb_stat_2 | .9894376 .4530543 -0.02 0.981 .4033027 2.427424
    _cons | 1.033639 .4705247 0.07 0.942 .4235378 2.522586
-----

```

. xi: logistic con\_b i.year if cc\_adopt1==2

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

```

Logistic regression              Number of obs =    147
                                LR chi2(1)   =    0.03
                                Prob > chi2   =    0.8630
Log likelihood = -91.334036      Pseudo R2   =    0.0002

```

```

-----+-----
    con_b | Odds Ratio Std. Err.   z  P>|z|   [95% Conf. Interval]
-----+-----
    _lyear_2 | .9320175 .3796218 -0.17 0.863   .419488 2.070754
    _cons | 2.235294 .4611952 3.90 0.000   1.491802 3.349331
-----

```

```
. xi: logistic con_b i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==2
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
Logistic regression              Number of obs =    147
                                LR chi2(12)   =    21.99
                                Prob > chi2    =    0.0376
Log likelihood = -80.35192        Pseudo R2    =    0.1204
```

-----+-----						
con_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	.856229	.3917817	-0.34	0.734	.3492276	2.099284
_lorg_size_2	1.374063	.6610146	0.66	0.509	.5352081	3.527691
_lorg_size_3	1.791931	1.23299	0.85	0.397	.4651872	6.902635
_lorg_size_4	2.524327	1.504494	1.55	0.120	.7849302	8.118208
_lorg_size_5	11.02508	12.7553	2.07	0.038	1.141818	106.4551
_lcsect1_2	.538529	.3122007	-1.07	0.286	.1728794	1.677548
_lcsect1_3	1.337228	.9183918	0.42	0.672	.3480251	5.138073
_lcsect1_4	2.364459	1.543753	1.32	0.187	.6576322	8.501207
_lcsect1_5	2.092235	1.274436	1.21	0.226	.6340463	6.903987
_lcsect1_6	3.557356	3.093035	1.46	0.144	.6471845	19.55359
_lcsect1_7	7.121202	8.024963	1.74	0.082	.7822125	64.83088
_lcomb_stat_2	.5483077	.239504	-1.38	0.169	.2329242	1.290726
_cons	1.220549	.5510816	0.44	0.659	.5037729	2.957163
-----						

```
. xi: logistic con_c i.year if cc_adopt1==2
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Logistic regression                      Number of obs =    147

   LR chi2(1)    =    4.16

   Prob > chi2    =    0.0414

Log likelihood = -95.60563                      Pseudo R2    =    0.0213

-----						
con_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.4308511	.184802	-1.96	0.050	.1858777	.9986818
_cons	.7460317	.1437919	-1.52	0.128	.5113223	1.088479
-----						

. xi: logistic con\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    147

   LR chi2(12)    =    19.18

   Prob > chi2    =    0.0843

Log likelihood = -88.095388                      Pseudo R2    =    0.0982

-----						
con_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.3788832	.1796903	-2.05	0.041	.1495588	.9598399
_lorg_size_2	2.929438	1.422707	2.21	0.027	1.130813	7.588883
_lorg_size_3	.7067248	.4998608	-0.49	0.624	.1766861	2.826822
_lorg_size_4	1.736693	1.018795	0.94	0.347	.5500263	5.483562

_lorg_size_5	1.78751	1.442625	0.72	0.472	.3675186	8.693961
_lcsect1_2	2.925277	1.803	1.74	0.082	.8740323	9.790539
_lcsect1_3	.9141794	.6237083	-0.13	0.895	.2400438	3.481548
_lcsect1_4	3.699867	2.413263	2.01	0.045	1.030349	13.28581
_lcsect1_5	2.433491	1.451044	1.49	0.136	.7562663	7.830417
_lcsect1_6	.8563752	.6999869	-0.19	0.850	.1725464	4.250325
_lcsect1_7	1.611319	1.238072	0.62	0.535	.3573982	7.264579
_lcomb_stat_2	.6116347	.2654955	-1.13	0.257	.2612201	1.432114
_cons	.3237781	.1623549	-2.25	0.025	.1211775	.8651133

. xi: logistic con\_d i.year if cc\_adopt1==2

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    147

LR chi2(1)    =    0.18

Prob > chi2    =    0.6703

Log likelihood = -101.39004                      Pseudo R2    =    0.0009

con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	.8498169	.3253713	-0.43	0.671	.4012581 1.799811
----------	----------	----------	-------	-------	-------------------

_cons	.8965517	.1712206	-0.57	0.567	.6166171 1.303572
-------	----------	----------	-------	-------	-------------------

. xi: logistic con\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    147

   LR chi2(12)    =    19.40

   Prob > chi2    =    0.0794

Log likelihood = -91.781435                      Pseudo R2    =    0.0956

con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8715798	.3735722	-0.32	0.748	.3762438	2.01904
_lorg_size_2	.8389142	.383421	-0.38	0.701	.3425159	2.054728
_lorg_size_3	1.784764	1.131385	0.91	0.361	.5152203	6.182563
_lorg_size_4	1.432786	.7863847	0.66	0.512	.4886516	4.201104
_lorg_size_5	.1547664	.1403252	-2.06	0.040	.0261758	.9150675
_lcsect1_2	4.262513	2.584088	2.39	0.017	1.299083	13.98603
_lcsect1_3	2.255125	1.488053	1.23	0.218	.618731	8.219384
_lcsect1_4	1.348592	.8240114	0.49	0.625	.4071763	4.466614
_lcsect1_5	2.766203	1.575804	1.79	0.074	.9057035	8.448549
_lcsect1_6	3.005433	2.176976	1.52	0.129	.7266777	12.43003
_lcsect1_7	1.432348	1.096392	0.47	0.639	.3195182	6.420985
_lcomb_stat_2	1.365124	.5607918	0.76	0.449	.6102381	3.053831
_cons	.4344262	.2010425	-1.80	0.072	.1753878	1.07605

. xi: logistic con\_e i.year if cc\_adopt1==2

i.year            \_lyear\_1-2            (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    147

   LR chi2(1)    =    1.40

   Prob > chi2    =    0.2371

Log likelihood = -57.768329                      Pseudo R2    =    0.0120

	con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.4826992	.3173802	-1.11	0.268	.133046 1.751263
_cons		.1827957	.0482166	-6.44	0.000	.1090039 .306542
-----						

. xi: logistic con\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 14 obs not used

Logistic regression                      Number of obs =    133

   LR chi2(11)    =    11.60

   Prob > chi2    =    0.3947

Log likelihood = -50.508394              Pseudo R2     =    0.1030

	con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.5930582	.4226128	-0.73	0.463	.1467343 2.396971
_lorg_size_2		.5015	.3466062	-1.00	0.318	.1294114 1.943433
_lorg_size_3		.6403971	.6032178	-0.47	0.636	.1010801 4.057262
_lorg_size_4		1.419499	.9854849	0.50	0.614	.3640742 5.534525
_lorg_size_5		1 (omitted)				
_lcsect1_2		4.688083	3.707932	1.95	0.051	.9948482 22.09193



_lcsect1_3	2.967451	2.808691	1.15	0.250	.4642175	18.96905
_lcsect1_4	.5351606	.6464403	-0.52	0.605	.0501518	5.710603
_lcsect1_5	1.478055	1.358248	0.43	0.671	.2440534	8.951511
_lcsect1_6	.943272	1.169111	-0.05	0.962	.0831074	10.70617
_lcsect1_7	3.348147	3.531086	1.15	0.252	.4237349	26.45542
_lcomb_stat_2	1.243692	.7297217	0.37	0.710	.3938044	3.927763
_cons	.1212357	.0858846	-2.98	0.003	.0302434	.4859936

. xi: logistic con\_f i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	147
	LR chi2(1) =	1.22
	Prob > chi2 =	0.2702
Log likelihood =	-87.3377	Pseudo R2 = 0.0069

con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.6166329	.277178	-1.08	0.282	.255511 1.48814
_cons	.4473684	.0923029	-3.90	0.000	.2985671 .6703302

. xi: logistic con\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	147
---------------------	-----------------	-----

LR chi2(12) = 11.83

Prob > chi2 = 0.4592

Log likelihood = -82.029046

Pseudo R2 = 0.0673

con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.6659472	.3215967	-0.84	0.400	.2584526	1.715927
_lorg_size_2	1.361843	.68161	0.62	0.537	.5106177	3.632103
_lorg_size_3	1.007717	.6941568	0.01	0.991	.2612137	3.887596
_lorg_size_4	1.098212	.6585812	0.16	0.876	.3390263	3.557451
_lorg_size_5	.4447425	.4145572	-0.87	0.385	.0715615	2.764
_lcsect1_2	3.442603	2.132838	2.00	0.046	1.02219	11.59424
_lcsect1_3	1.464894	1.060174	0.53	0.598	.3546286	6.051159
_lcsect1_4	.7171358	.5542476	-0.43	0.667	.1576665	3.261846
_lcsect1_5	1.750734	1.101375	0.89	0.373	.5101941	6.007657
_lcsect1_6	3.807376	2.794425	1.82	0.069	.9034121	16.04596
_lcsect1_7	1.332968	1.099162	0.35	0.727	.264802	6.709936
_lcomb_stat_2	1.384055	.6071597	0.74	0.459	.5857963	3.270092
_cons	.2253303	.1188197	-2.83	0.005	.0801621	.6333879

. xi: logistic con\_g i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 147

LR chi2(1) = 1.22

Prob > chi2 = 0.2693

Log likelihood = -99.777345

Pseudo R2 = 0.0061

---

con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.65	.2561168	-1.09	0.274	.3002741	1.407048
_cons	.8333333	.1595712	-0.95	0.341	.5725667	1.212862

. xi: logistic con\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    147

LR chi2(12)    =    12.31

Prob > chi2    =    0.4211

Log likelihood = -94.232685              Pseudo R2      =    0.0613

con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.550015	.2343216	-1.40	0.161	.2386378	1.267681
_lorg_size_2	1.195641	.5555656	0.38	0.701	.4809304	2.972484
_lorg_size_3	1.243142	.7864355	0.34	0.731	.3597777	4.295436
_lorg_size_4	1.943028	1.070987	1.21	0.228	.6596315	5.723437
_lorg_size_5	2.530172	1.846782	1.27	0.203	.6051383	10.57902
_lcsect1_2	.8785528	.5331087	-0.21	0.831	.2674583	2.88589
_lcsect1_3	1.568544	.9953396	0.71	0.478	.4522267	5.440483
_lcsect1_4	1.833894	1.113125	1.00	0.318	.5581072	6.026023
_lcsect1_5	2.198096	1.236189	1.40	0.161	.7300268	6.618422
_lcsect1_6	3.723847	2.70933	1.81	0.071	.8947255	15.49865
_lcsect1_7	.6925998	.5522984	-0.46	0.645	.1451144	3.30563

```
_lcomb_stat_2 | 1.040286 .4234519 0.10 0.923 .4684559 2.310134
      _cons | .4446473 .206931 -1.74 0.082 .1786 1.107005
```

. xi: logistic con\_h i.year if cc\_adopt1==2

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

```
Logistic regression              Number of obs =    147
                                LR chi2(1)   =    0.47
                                Prob > chi2   =    0.4937
Log likelihood = -90.312332      Pseudo R2    =    0.0026
```

```
con_h | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 | 1.320313 .5324974 0.69 0.491 .5989317 2.910558
      _cons | .4102564 .086125 -4.24 0.000 .271871 .6190816
```

. xi: logistic con\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)  
i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

```
Logistic regression              Number of obs =    147
                                LR chi2(12)  =   16.49
                                Prob > chi2   =    0.1697
Log likelihood = -82.300636      Pseudo R2    =    0.0911
```

con_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.158959	.5093963	0.34	0.737	.4897117 2.742812
_lorg_size_2	2.700346	1.479671	1.81	0.070	.9225679 7.903882
_lorg_size_3	1.748564	1.25295	0.78	0.435	.4292839 7.122268
_lorg_size_4	3.146004	1.911847	1.89	0.059	.9560458 10.35237
_lorg_size_5	2.282879	1.822407	1.03	0.301	.4775008 10.91419
_lcsect1_2	1.810005	1.168502	0.92	0.358	.5106948 6.415021
_lcsect1_3	1.36628	.9859291	0.43	0.665	.3321231 5.620567
_lcsect1_4	2.008737	1.321412	1.06	0.289	.5533184 7.292409
_lcsect1_5	1.874899	1.183188	1.00	0.319	.5442672 6.458674
_lcsect1_6	.5149017	.4704313	-0.73	0.468	.085909 3.086102
_lcsect1_7	1.756863	1.419362	0.70	0.485	.360625 8.55894
_lcomb_stat_2	2.672409	1.157388	2.27	0.023	1.143557 6.245223
_cons	.0987212	.0584589	-3.91	0.000	.0309287 .3151077

-----

. xi: logistic con\_i i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	147
	LR chi2(1) =	0.02
	Prob > chi2 =	0.8819
Log likelihood = -67.020087	Pseudo R2 =	0.0002

con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	.9269953	.4749847	-0.15	0.882	.3395697 2.530615
_cons	.2087912	.0526637	-6.21	0.000	.127354 .3423039

-----

. xi: logistic con\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     147

LR chi2(12)    =    13.14

Prob > chi2    =    0.3589

Log likelihood = -60.460882              Pseudo R2       =    0.0980

-----+-----						
con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.072049	.6057726	0.12	0.902	.3541884	3.244853
_lorg_size_2	.4734405	.3009435	-1.18	0.239	.1362063	1.645635
_lorg_size_3	.5858616	.4765059	-0.66	0.511	.1189808	2.884783
_lorg_size_4	.8652771	.5951583	-0.21	0.833	.224739	3.33144
_lorg_size_5	.4747532	.4786198	-0.74	0.460	.0658163	3.424539
_lcsect1_2	7.427066	8.680461	1.72	0.086	.751565	73.39526
_lcsect1_3	9.221936	11.33222	1.81	0.071	.8295402	102.5196
_lcsect1_4	9.287776	10.89994	1.90	0.058	.9310206	92.65401
_lcsect1_5	15.83688	17.93944	2.44	0.015	1.719728	145.841
_lcsect1_6	3.457618	5.083556	0.84	0.399	.1937758	61.69563
_lcsect1_7	16.96788	21.48262	2.24	0.025	1.418869	202.9145
_lcomb_stat_2	.8448245	.4743603	-0.30	0.764	.2810772	2.539262
_cons	.0413662	.0439866	-3.00	0.003	.0051466	.332482
-----						

. xi: logistic con\_j i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     147

LR chi2(1)     =     0.10

Prob > chi2    =     0.7535

Log likelihood = -78.232896              Pseudo R2     =     0.0006

-----						
con_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.151786	.5152487	0.32	0.752	.4792793	2.767928
_cons	.2790698	.064425	-5.53	0.000	.1775038	.4387508
-----						

. xi: logistic con\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     147

LR chi2(12)    =     9.88

Prob > chi2    =     0.6269

Log likelihood = -73.344396              Pseudo R2     =     0.0631

-----						
con_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.974918	.4647051	-0.05	0.957	.3830309	2.481432
_lorg_size_2	1.232703	.7200291	0.36	0.720	.3923436	3.873025
_lorg_size_3	1.112707	.8873564	0.13	0.893	.2331141	5.311205

_lorg_size_4	2.456635	1.553641	1.42	0.155	.7112434	8.48522
_lorg_size_5	5.173042	4.295673	1.98	0.048	1.016042	26.33785
_lcsect1_2	1.349349	.8616302	0.47	0.639	.3859998	4.71695
_lcsect1_3	.5297269	.422269	-0.80	0.425	.1110507	2.52687
_lcsect1_4	.7587997	.5466174	-0.38	0.702	.1849039	3.113925
_lcsect1_5	.6983265	.475792	-0.53	0.598	.1836994	2.654661
_lcsect1_6	.2366969	.2725939	-1.25	0.211	.0247685	2.261965
_lcsect1_7	1.183456	.9942968	0.20	0.841	.2280359	6.141873
_lcomb_stat_2	1.1447	.5427602	0.29	0.776	.451954	2.899275
_cons	.2182991	.1192876	-2.79	0.005	.0748032	.6370647

. xi: logistic con\_k i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     147

LR chi2(1)     =     2.19

Prob > chi2     =     0.1390

Log likelihood = -100.38599                      Pseudo R2     =     0.0108

con_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	1.759309	.6751452	1.47	0.141	.8292554 3.732465
----------	----------	----------	------	-------	-------------------

_cons	.7460317	.1437919	-1.52	0.128	.5113223 1.088479
-------	----------	----------	-------	-------	-------------------

. xi: logistic con\_k i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1        \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)



i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    147

LR chi2(12)    =    13.20

Prob > chi2    =    0.3549

Log likelihood = -94.882608                      Pseudo R2    =    0.0650

-----+-----						
con_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.714578	.7127905	1.30	0.195	.7590891	3.872771
_lorg_size_2	.6275304	.2895065	-1.01	0.312	.2540617	1.549995
_lorg_size_3	.6827517	.4213637	-0.62	0.536	.2036758	2.288686
_lorg_size_4	.5161717	.2833637	-1.20	0.228	.1759983	1.513839
_lorg_size_5	1.481656	1.131724	0.51	0.607	.3315734	6.620873
_lcsect1_2	1.559558	.915824	0.76	0.449	.493342	4.930094
_lcsect1_3	3.26763	2.139726	1.81	0.071	.905409	11.79291
_lcsect1_4	2.665896	1.627956	1.61	0.108	.8054686	8.823439
_lcsect1_5	2.934929	1.68921	1.87	0.061	.9499157	9.067969
_lcsect1_6	2.303407	1.654387	1.16	0.245	.5636481	9.413111
_lcsect1_7	1.406408	1.079279	0.44	0.657	.3125348	6.328841
_lcomb_stat_2	1.640061	.6616891	1.23	0.220	.7437709	3.616435
_cons	.4250907	.1959109	-1.86	0.063	.1722621	1.048995
-----						

. xi: logistic con\_l i.year if cc\_adopt1==2

i.year            \_lyear\_1-2            (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    147

LR chi2(1)    =    0.52

Prob > chi2    =    0.4708

Log likelihood = -98.753148                      Pseudo R2     =   0.0026

-----						
con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.7536232	.2976133	-0.72	0.474	.3475412	1.634189
_cons	.71875	.138933	-1.71	0.088	.4920874	1.049817

. xi: logistic con\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =   147

LR chi2(12)     =   21.12

Prob > chi2     =   0.0486

Log likelihood = -88.451746                      Pseudo R2     =   0.1067

con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8167582	.3636283	-0.45	0.649	.3412956	1.954593
_lorg_size_2	.4575663	.2239854	-1.60	0.110	.1752986	1.194345
_lorg_size_3	.3557756	.2401434	-1.53	0.126	.0947605	1.335749
_lorg_size_4	.3531626	.207879	-1.77	0.077	.1114139	1.119464
_lorg_size_5	.8162353	.6230485	-0.27	0.790	.1828422	3.643798
_lcsect1_2	3.288189	2.097487	1.87	0.062	.9418638	11.47957
_lcsect1_3	9.457965	6.823564	3.11	0.002	2.299789	38.89623
_lcsect1_4	1.689686	1.146718	0.77	0.440	.446819	6.3897

_lcsect1_5	4.380049	2.779924	2.33	0.020	1.262523	15.19562
_lcsect1_6	6.370152	4.830432	2.44	0.015	1.44109	28.15844
_lcsect1_7	3.978372	3.135179	1.75	0.080	.8490065	18.64231
_lcomb_stat_2	2.077003	.8996645	1.69	0.092	.8886582	4.854443
_cons	.2994782	.1525328	-2.37	0.018	.1103631	.8126555

. xi: logistic con\_m i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	147
	LR chi2(1) =	0.85
	Prob > chi2 =	0.3563
Log likelihood = -54.225651	Pseudo R2 =	0.0078

con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.5588235	.3706555	-0.88	0.380	.1522969 2.050492
_cons	.1578947	.0438689	-6.64	0.000	.0915953 .2721838

. xi: logistic con\_m i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 14 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

\_lcsect1\_4 dropped and 18 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 10 obs not used

Logistic regression                      Number of obs =    105  
   LR chi2(9)    =    8.09  
   Prob > chi2    =   0.5253  
Log likelihood = -44.06123                      Pseudo R2    =   0.0841

-----+-----						
con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.7883928	.5667745	-0.33	0.741	.1926704	3.226044
_lorg_size_2	1.048614	.7349592	0.07	0.946	.2654731	4.14201
_lorg_size_3	.3511146	.4204782	-0.87	0.382	.0335808	3.671194
_lorg_size_4	2.054878	1.525656	0.97	0.332	.4795196	8.805735
_lorg_size_5	1 (omitted)					
_lcsect1_2	3.126236	2.556945	1.39	0.163	.6292523	15.53169
_lcsect1_3	1.44226	1.473364	0.36	0.720	.1947533	10.68077
_lcsect1_4	1 (omitted)					
_lcsect1_5	1.878764	1.620071	0.73	0.465	.3466376	10.18284
_lcsect1_6	6.135358	5.562974	2.00	0.045	1.037646	36.27693
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.979677	.6209957	-0.03	0.974	.2828297	3.393445
_cons	.0959508	.0718468	-3.13	0.002	.0221146	.4163108

. xi: logistic con\_n i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    147

   LR chi2(1)    =    1.26

   Prob > chi2    =    0.2610

Log likelihood = -63.130634                      Pseudo R2    =    0.0099

---

con_n   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>				
_lyear_2	1.747127	.8499655	1.15	0.251 .6733186 4.533444
_cons	.1578947	.0438689	-6.64	0.000 .0915953 .2721838

---

. xi: logistic con\_n i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 12 obs not used

Logistic regression                      Number of obs =    135

   LR chi2(11)    =    13.80

   Prob > chi2    =    0.2441

Log likelihood = -54.722104                      Pseudo R2    =    0.1120

---

con_n   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>				
_lyear_2	1.687911	.92695	0.95	0.340 .5753014 4.952265

---

_lorg_size_2	1.440581	.9566351	0.55	0.583	.3920008	5.294054
_lorg_size_3	.3753011	.452493	-0.81	0.416	.0353267	3.987094
_lorg_size_4	1.756144	1.387333	0.71	0.476	.3733543	8.260365
_lorg_size_5	7.866288	7.891043	2.06	0.040	1.101259	56.18884
_lcsect1_2	1.300156	1.007482	0.34	0.735	.2847119	5.937254
_lcsect1_3	.4887986	.4576715	-0.76	0.445	.078007	3.062855
_lcsect1_4	.4054486	.4738971	-0.77	0.440	.0410235	4.007177
_lcsect1_5	1.286712	.9211194	0.35	0.725	.3163234	5.233974
_lcsect1_6	1 (omitted)					
_lcsect1_7	1.154546	1.124448	0.15	0.883	.1711589	7.787943
_lcomb_stat_2	.2631569	.1849823	-1.90	0.058	.0663552	1.043649
_cons	.1791495	.1125191	-2.74	0.006	.0523116	.6135259

. xi: logistic con\_o i.year if cc\_adopt1==2

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	147
	LR chi2(1) =	0.00
	Prob > chi2 =	0.9784
Log likelihood = -81.82869	Pseudo R2 =	0.0000

con_o	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.9880952	.4373487	-0.03	0.978	.4149939 2.352642
_cons	.3253012	.0720711	-5.07	0.000	.2107174 .5021934

. xi: logistic con\_o i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1    \_lcsect1\_1-7    (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    147  
   LR chi2(12)    =    5.40  
   Prob > chi2    =    0.9433  
Log likelihood = -79.129126                      Pseudo R2    =    0.0330

-----						
con_o	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8251247	.3822203	-0.41	0.678	.3328279	2.045594
_lorg_size_2	1.814497	.9687965	1.12	0.264	.63721	5.166898
_lorg_size_3	1.873898	1.29461	0.91	0.363	.4838165	7.257901
_lorg_size_4	1.45157	.931626	0.58	0.561	.4126023	5.106744
_lorg_size_5	3.322101	2.822171	1.41	0.158	.6284998	17.55983
_lcsect1_2	.6661359	.4338381	-0.62	0.533	.1858643	2.387425
_lcsect1_3	.2492391	.2088634	-1.66	0.097	.0482287	1.288032
_lcsect1_4	.8209296	.5436433	-0.30	0.766	.2241897	3.00605
_lcsect1_5	.8843518	.5283242	-0.21	0.837	.2742239	2.851969
_lcsect1_6	.6742324	.5286548	-0.50	0.615	.1450094	3.134895
_lcsect1_7	.4083294	.3664848	-1.00	0.318	.0703134	2.371282
_lcomb_stat_2	1.019246	.463469	0.04	0.967	.4180448	2.485051
_cons	.3090537	.1567232	-2.32	0.021	.1143889	.8349952

. xi: logistic con\_p i.year if cc\_adopt1==2  
i.year    \_lyear\_1-2    (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    147

LR chi2(1) = 0.40

Prob > chi2 = 0.5278

Log likelihood = -96.45738

Pseudo R2 = 0.0021

-----  
con\_p | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]  
-----+-----

\_lyear\_2 | .7771429 .3126479 -0.63 0.531 .353231 1.70979

\_cons | .6176471 .1212153 -2.46 0.014 .4204256 .907385  
-----

. xi: logistic con\_p i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)

i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 147

LR chi2(12) = 8.86

Prob > chi2 = 0.7151

Log likelihood = -92.228139

Pseudo R2 = 0.0458

-----  
con\_p | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]  
-----+-----

\_lyear\_2 | .794743 .3441871 -0.53 0.596 .3400859 1.857227

\_lorg\_size\_2 | 2.000823 .926151 1.50 0.134 .807607 4.956979

\_lorg\_size\_3 | 1.160816 .7444349 0.23 0.816 .3302822 4.079825

\_lorg\_size\_4 | .7627967 .4454789 -0.46 0.643 .2428291 2.396165

\_lorg\_size\_5 | .8623372 .6742331 -0.19 0.850 .1862733 3.992121

\_lcsect1\_2 | 2.12636 1.232799 1.30 0.193 .6825526 6.624264



_lcsect1_3	1.217635	.7851489	0.31	0.760	.3440723	4.309078
_lcsect1_4	.764372	.4992407	-0.41	0.681	.2124968	2.749522
_lcsect1_5	.9560971	.5451684	-0.08	0.937	.3127125	2.923202
_lcsect1_6	.9006903	.6638713	-0.14	0.887	.2124129	3.81918
_lcsect1_7	.5041741	.4023598	-0.86	0.391	.105505	2.409284
_lcomb_stat_2	.7638608	.3149223	-0.65	0.514	.3404735	1.713741
_cons	.5201806	.2381681	-1.43	0.153	.212044	1.276093

. xi: logistic con\_w i.year if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 37 obs not used

Logistic regression	Number of obs =	110
	LR chi2(0) =	0.00
	Prob > chi2 =	.
Log likelihood = -5.6959211	Pseudo R2 =	0.0000

con_w	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	1 (omitted)				
_cons	.0091743	.0092163	-4.67	0.000	.0012808 .0657159

. xi: logistic con\_w i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==2

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

    \_lyear\_2 dropped and 37 obs not used

note: \_lorg\_size\_2 != 0 predicts failure perfectly

    \_lorg\_size\_2 dropped and 39 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

    \_lorg\_size\_3 dropped and 10 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

    \_lorg\_size\_4 dropped and 18 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

    \_lorg\_size\_5 dropped and 8 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

    \_lcsect1\_2 dropped and 7 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

    \_lcsect1\_3 dropped and 3 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

    \_lcsect1\_4 dropped and 6 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

    \_lcsect1\_5 dropped and 4 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

    \_lcsect1\_6 dropped and 2 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 2 obs not used

note: \_lcomb\_stat\_2 != 0 predicts failure perfectly

\_lcomb\_stat\_2 dropped and 3 obs not used

Logistic regression                      Number of obs =        8  
   LR chi2(0)     =     -0.00  
   Prob > chi2     =        .  
Log likelihood = -3.0141613              Pseudo R2     =   -0.0000

-----					
con_w	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1 (omitted)				
_lorg_size_2	1 (omitted)				
_lorg_size_3	1 (omitted)				
_lorg_size_4	1 (omitted)				
_lorg_size_5	1 (omitted)				
_lcsect1_2	1 (omitted)				
_lcsect1_3	1 (omitted)				
_lcsect1_4	1 (omitted)				
_lcsect1_5	1 (omitted)				
_lcsect1_6	1 (omitted)				
_lcsect1_7	1 (omitted)				
_lcomb_stat_2	1 (omitted)				
_cons	.1428571	.1527207	-1.82	0.069	.0175764 1.161114
-----					

. xi: logistic con\_x i.year if cc\_adopt1==2

Logistic regression	Number of obs	=	147
	LR chi2(1)	=	5.94
	Prob > chi2	=	0.0148
Log likelihood = -53.61888	Pseudo R2	=	0.0525

	con_x	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
	_lyear_2	.1419753	.1485121	-1.87	0.062	.0182735 1.103075
	_cons	.1956522	.0504256	-6.33	0.000	.1180603 .3242392

```
. xi: logistic con_x i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==2

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)

i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)

i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)

i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

note: _lorg_size_5 != 0 predicts failure perfectly

      _lorg_size_5 dropped and 14 obs not used
```

Logistic regression	Number of obs	=	133
	LR chi2(11)	=	12.39
	Prob > chi2	=	0.3351
Log likelihood = -48.350503	Pseudo R2	=	0.1136

con_x	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	.1627892	.1764461	-1.67	0.094	.0194542	1.362188
_lorg_size_2	.6546796	.4283791	-0.65	0.517	.1815761	2.360472
_lorg_size_3	.3971128	.4636988	-0.79	0.429	.0402705	3.915984
_lorg_size_4	2.138439	1.59378	1.02	0.308	.4962448	9.215054
_lorg_size_5	1 (omitted)					
_lcsect1_2	.2100443	.2481048	-1.32	0.186	.0207429	2.126924
_lcsect1_3	.6251759	.5994805	-0.49	0.624	.0954522	4.094666
_lcsect1_4	1.310655	1.122145	0.32	0.752	.244745	7.018799
_lcsect1_5	.5768561	.4925157	-0.64	0.519	.1082225	3.074804
_lcsect1_6	1.913845	1.687759	0.74	0.462	.339828	10.7784
_lcsect1_7	1.376915	1.35034	0.33	0.744	.2014347	9.411958
_lcomb_stat_2	.5201834	.3369155	-1.01	0.313	.1461656	1.851262
_cons	.326649	.1949443	-1.87	0.061	.1014107	1.052153

. xi: logistic con\_a i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	89
	LR chi2(1) =	2.03
	Prob > chi2 =	0.1541
Log likelihood = -56.513631	Pseudo R2 =	0.0177

con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.5037879	.2416716	-1.43	0.153	.1967518 1.289962
_cons	2.315789	.6357205	3.06	0.002	1.352169 3.966133

. xi: logistic con\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =        89  
   LR chi2(12)    =        14.77  
   Prob > chi2    =        0.2545  
Log likelihood = -50.146484                      Pseudo R2        =        0.1283

con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.3015139	.1749149	-2.07	0.039	.0967178	.9399578
_lorg_size_2	.1475141	.1277491	-2.21	0.027	.0270198	.80535
_lorg_size_3	.1948082	.2165777	-1.47	0.141	.0220437	1.721588
_lorg_size_4	.1763713	.1640147	-1.87	0.062	.0285011	1.091426
_lorg_size_5	.1649891	.1809178	-1.64	0.100	.0192342	1.415257
_lcsect1_2	1.168906	1.004881	0.18	0.856	.2167812	6.302855
_lcsect1_3	2.020336	1.567726	0.91	0.365	.4414832	9.245556
_lcsect1_4	1.183579	.9391012	0.21	0.832	.2499299	5.605008
_lcsect1_5	1.676381	1.528968	0.57	0.571	.2805575	10.01668
_lcsect1_6	11.39368	14.6742	1.89	0.059	.9128095	142.2158
_lcsect1_7	6.890987	8.955379	1.49	0.137	.5396078	88.00041
_lcomb_stat_2	1.064932	.6293466	0.11	0.915	.3344137	3.391247
_cons	6.777233	5.566233	2.33	0.020	1.35503	33.89657
-----						

. xi: logistic con\_b i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

```

Logistic regression              Number of obs =      89

                                LR chi2(1)   =      0.37

                                Prob > chi2   =      0.5446

Log likelihood = -56.694477      Pseudo R2   =      0.0032

```

```

-----
      con_b | Odds Ratio Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      _lyear_2 |   .744186   .3613372   -0.61   0.543    .2873315   1.927435
      _cons |     2.15   .5819149    2.83   0.005    1.264893   3.654459
-----

```

```

. xi: logistic con_b i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)

```

```

Logistic regression              Number of obs =      89

                                LR chi2(12)  =      8.06

                                Prob > chi2   =      0.7801

Log likelihood = -52.845825      Pseudo R2   =      0.0709

```

```

-----
      con_b | Odds Ratio Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      _lyear_2 |   .8095995   .4310898   -0.40   0.692    .2851205   2.298857
      _lorg_size_2 |   .4814501   .340083   -1.03   0.301    .120583   1.922279
      _lorg_size_3 |   .8053816   .8133702   -0.21   0.830    .1112646   5.829701
      _lorg_size_4 |   .5942879   .4633155   -0.67   0.504    .12894    2.739088
      _lorg_size_5 |   1.016217   1.122544    0.01   0.988    .1166066   8.856247

```

_lcsect1_2	.8251518	.7206895	-0.22	0.826	.1489678	4.570622
_lcsect1_3	2.239917	1.924898	0.94	0.348	.4156638	12.0704
_lcsect1_4	.578517	.4471386	-0.71	0.479	.1271798	2.631564
_lcsect1_5	.6343959	.5637298	-0.51	0.609	.1111668	3.620309
_lcsect1_6	.8802239	.8296009	-0.14	0.892	.1387859	5.582656
_lcsect1_7	.3295813	.3144897	-1.16	0.245	.0507853	2.138885
_lcomb_stat_2	.9845386	.5722	-0.03	0.979	.3151566	3.075666
_cons	3.660139	2.661896	1.78	0.074	.8799282	15.22467

. xi: logistic con\_c i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(1)        =        0.44

Prob > chi2        =        0.5095

Log likelihood = -57.913578                      Pseudo R2        =        0.0037

con_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	.7222222	.3595646	-0.65	0.513	.2722029 1.916236
----------	----------	----------	-------	-------	-------------------

_cons	.6153846	.1596537	-1.87	0.061	.370095 1.023246
-------	----------	----------	-------	-------	------------------

. xi: logistic con\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size        \_lorg\_size\_1-5        (naturally coded; \_lorg\_size\_1 omitted)

i.csect1        \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat        \_lcomb\_stat\_1-2        (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lcsect1\_7 != 0 predicts failure perfectly



\_lcsect1\_7 dropped and 7 obs not used

Logistic regression	Number of obs	=	82
	LR chi2(11)	=	15.29
	Prob > chi2	=	0.1694
Log likelihood = -47.199432	Pseudo R2	=	0.1394

con_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.5919935	.3519216	-0.88	0.378	.1846309	1.898146
_lorg_size_2	1.066221	.7627744	0.09	0.929	.26236	4.333081
_lorg_size_3	1.096246	1.096356	0.09	0.927	.1543909	7.783852
_lorg_size_4	.5709751	.4741828	-0.67	0.500	.1121275	2.907516
_lorg_size_5	.915985	.9005952	-0.09	0.929	.1333485	6.291998
_lcsect1_2	.3167581	.2827935	-1.29	0.198	.055055	1.822463
_lcsect1_3	.2495379	.1965489	-1.76	0.078	.053295	1.168387
_lcsect1_4	1.138721	.8934354	0.17	0.868	.244663	5.299883
_lcsect1_5	.225981	.2075803	-1.62	0.105	.0373405	1.367614
_lcsect1_6	.1307868	.1637959	-1.62	0.104	.0112339	1.522646
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.2320726	.1494427	-2.27	0.023	.0656892	.8198858
_cons	3.157466	2.353889	1.54	0.123	.7324338	13.61159

```
. xi: logistic con_d i.year if cc_adopt1==3
```

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression      Number of obs =    89  
LR chi2(1)    =    0.43

Prob > chi2 = 0.5138

Log likelihood = -58.471008

Pseudo R2 = 0.0036

-----						
con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.366667	.6517446	0.66	0.512	.5367057	3.480078
_cons	.5365854	.1418097	-2.36	0.018	.3196553	.9007324

. xi: logistic con\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 89

LR chi2(12) = 18.92

Prob > chi2 = 0.0905

Log likelihood = -49.224746

Pseudo R2 = 0.1612

con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.682263	.9658393	0.91	0.365	.5460002	5.183166
_lorg_size_2	.8427414	.6227993	-0.23	0.817	.1979898	3.587119
_lorg_size_3	.5225448	.5094497	-0.67	0.506	.0773131	3.531781
_lorg_size_4	1.938305	1.584848	0.81	0.418	.3903375	9.625068
_lorg_size_5	1.50001	1.430239	0.43	0.671	.2314648	9.720828
_lcsect1_2	.6708143	.678486	-0.39	0.693	.0923988	4.870107
_lcsect1_3	2.280147	1.761277	1.07	0.286	.5017194	10.36251

_lcsect1_4	4.976298	4.044301	1.97	0.048	1.011868	24.47309
_lcsect1_5	6.069521	5.664733	1.93	0.053	.9743638	37.80835
_lcsect1_6	.1915886	.2535628	-1.25	0.212	.0143161	2.563977
_lcsect1_7	.5143075	.6383892	-0.54	0.592	.0451503	5.858482
_lcomb_stat_2	2.501901	1.52408	1.51	0.132	.7581321	8.256488
_cons	.1898924	.1481124	-2.13	0.033	.0411706	.8758474

-----

. xi: logistic con\_e i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	89
	LR chi2(1) =	0.00
	Prob > chi2 =	0.9689
Log likelihood = -24.515527	Pseudo R2 =	0.0000

-----

con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.9666667	.8421149	-0.04	0.969	.175287 5.33094
_cons	.0862069	.0401803	-5.26	0.000	.0345783 .2149215

-----

. xi: logistic con\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 11 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

\_lcsect1\_2 dropped and 11 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

\_lcsect1\_6 dropped and 8 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 6 obs not used

Logistic regression                      Number of obs =     53  
   LR chi2(8)     =     2.94  
   Prob > chi2     =     0.9383  
Log likelihood = -19.218736              Pseudo R2     =     0.0710

```
-----
      con_e | Odds Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      _lyear_2 |  1.368558   1.327028    0.32  0.746   .2045938   9.154488
    _lorg_size_2 | .6860079   .7666665   -0.34  0.736   .0767443   6.132142
    _lorg_size_3 |           1 (omitted)
    _lorg_size_4 | .4388633   .5944264   -0.61  0.543   .0308606   6.241008
    _lorg_size_5 |  1.500703   1.855172    0.33  0.743   .1330572  16.92589
      _lcsect1_2 |           1 (omitted)
      _lcsect1_3 |  3.843244   4.852183    1.07  0.286   .3236209  45.64144
      _lcsect1_4 |  3.065227   4.009156    0.86  0.392   .2361216  39.79142
      _lcsect1_5 |  2.667255   4.159806    0.63  0.529   .1254715  56.70014
      _lcsect1_6 |           1 (omitted)
      _lcsect1_7 |           1 (omitted)
    _lcomb_stat_2 |  1.841602   1.737435    0.65  0.517   .2898287  11.70174
        _cons | .0541255   .0713258   -2.21  0.027   .0040898   .7163137
```

-----

```
. xi: logistic con_f i.year if cc_adopt1==3
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Logistic regression              Number of obs =      89
```

```
LR chi2(1)    =      1.88
```

```
Prob > chi2   =      0.1700
```

```
Log likelihood = -40.982126      Pseudo R2    =      0.0225
```

-----

con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

-----+-----

_lyear_2	2.210526	1.260423	1.39	0.164	.7230158 6.758395
----------	----------	----------	------	-------	-------------------

_cons	.1666667	.0600069	-4.98	0.000	.0822965 .3375331
-------	----------	----------	-------	-------	-------------------

-----

```
. xi: logistic con_f i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7    (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
note: _lorg_size_3 != 0 predicts failure perfectly
```

```
_lorg_size_3 dropped and 11 obs not used
```

```
Logistic regression              Number of obs =      78
```

```
LR chi2(11)   =     11.51
```

```
Prob > chi2   =      0.4014
```

```
Log likelihood = -33.823541      Pseudo R2    =      0.1454
```

con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.327624	2.255787	1.77	0.076	.8812659	12.56497
_lorg_size_2	.2503341	.2341617	-1.48	0.139	.0400229	1.565782
_lorg_size_3	1 (omitted)					
_lorg_size_4	.5792143	.5379696	-0.59	0.557	.0938102	3.576254
_lorg_size_5	1.857493	2.026476	0.57	0.570	.2189216	15.76034
_lcsect1_2	.5657458	.6066725	-0.53	0.595	.0691581	4.628069
_lcsect1_3	.2943157	.3045829	-1.18	0.237	.0387184	2.237222
_lcsect1_4	.6727773	.6176962	-0.43	0.666	.111265	4.068028
_lcsect1_5	1.107718	1.242058	0.09	0.927	.1230261	9.973815
_lcsect1_6	.2280979	.3124873	-1.08	0.281	.0155597	3.343812
_lcsect1_7	.6913975	.8911142	-0.29	0.775	.0552902	8.645837
_lcomb_stat_2	2.433001	1.867799	1.16	0.247	.540357	10.95479
_cons	.2976871	.2359644	-1.53	0.126	.0629575	1.407579

. xi: logistic con\_g i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      89

   LR chi2(1)      =      0.10

   Prob > chi2      =      0.7566

Log likelihood = -58.636154                      Pseudo R2      =      0.0008

-----						
con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8602941	.419028	-0.31	0.757	.3311675	2.234839
_cons	.6153846	.1596537	-1.87	0.061	.370095	1.023246

-----

```
. xi: logistic con_g i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

Logistic regression                      Number of obs =       89

LR chi2(12)    =    11.31

Prob > chi2    =    0.5028

Log likelihood = -53.030492              Pseudo R2       =    0.0963

-----

con_g   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
--------------------	-----------	---	------	----------------------

-----+-----

_lyear_2	.8287629	.4444774	-0.35	0.726	.2896802	2.371056
_lorg_size_2	.5438566	.3797011	-0.87	0.383	.1384224	2.136794
_lorg_size_3	.6180061	.5828593	-0.51	0.610	.0973196	3.924509
_lorg_size_4	.73267	.5687465	-0.40	0.689	.1600111	3.354802
_lorg_size_5	1.146215	1.104928	0.14	0.887	.1732707	7.582405
_lcsect1_2	7.467477	6.852143	2.19	0.028	1.236269	45.10605
_lcsect1_3	1.170468	.9505831	0.19	0.846	.2382675	5.749816
_lcsect1_4	2.03565	1.664847	0.87	0.385	.409781	10.1124
_lcsect1_5	7.147367	6.6589	2.11	0.035	1.151112	44.3787
_lcsect1_6	1.235093	1.280565	0.20	0.839	.1618677	9.424085
_lcsect1_7	2.984346	2.923588	1.12	0.264	.4374992	20.35735
_lcomb_stat_2	1.772236	1.026327	0.99	0.323	.5696111	5.513971
_cons	.2993464	.2248855	-1.61	0.108	.0686601	1.305099

-----

. xi: logistic con\_h i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(1)        =        0.47

Prob > chi2        =        0.4938

Log likelihood = -52.614111                      Pseudo R2        =        0.0044

-----						
con_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.6947368	.3754315	-0.67	0.500	.2408997	2.00357
_cons	.4318182	.1185409	-3.06	0.002	.2521348	.7395526
-----						

. xi: logistic con\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(12)        =        22.43

Prob > chi2        =        0.0330

Log likelihood = -41.632332                      Pseudo R2        =        0.2122

-----						
con_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.6004234	.3843612	-0.80	0.426	.1712225	2.105496
_lorg_size_2	.2387216	.1743375	-1.96	0.050	.0570509	.9988977



_lorg_size_3	.3039495	.313668	-1.15	0.249	.0402146	2.297308
_lorg_size_4	.038113	.0474105	-2.63	0.009	.0033283	.4364379
_lorg_size_5	.5307175	.5353425	-0.63	0.530	.0734926	3.832507
_lcsect1_2	4.499092	4.85412	1.39	0.163	.5429427	37.2817
_lcsect1_3	2.355705	2.386321	0.85	0.398	.3234866	17.15479
_lcsect1_4	3.971719	4.219901	1.30	0.194	.4949798	31.86907
_lcsect1_5	8.085144	9.043823	1.87	0.062	.9027278	72.41337
_lcsect1_6	2.1302	3.202198	0.50	0.615	.1119081	40.54891
_lcsect1_7	17.35153	21.47313	2.31	0.021	1.534425	196.2139
_lcomb_stat_2	.4182624	.2931297	-1.24	0.214	.1059019	1.651939
_cons	.5280009	.4801541	-0.70	0.482	.0888317	3.13835

. xi: logistic con\_i i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      89

LR chi2(1)      =      2.30

Prob > chi2      =      0.1290

Log likelihood = -44.997437                      Pseudo R2      =      0.0250

con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	.3831522	.2600325	-1.41	0.157	.1013186 1.448949
----------	----------	----------	-------	-------	-------------------

_cons	.3404255	.0985334	-3.72	0.000	.1930406 .6003375
-------	----------	----------	-------	-------	-------------------

. xi: logistic con\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =      89

LR chi2(12)      =      9.11

Prob > chi2      =      0.6939

Log likelihood = -41.596928                      Pseudo R2      =      0.0987

-----+-----						
con_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	.2882505	.2178691	-1.65	0.100	.0655246	1.268049
_lorg_size_2	.4616538	.3531954	-1.01	0.312	.1030603	2.067956
_lorg_size_3	.3318532	.429379	-0.85	0.394	.0262779	4.190836
_lorg_size_4	.4248897	.3707022	-0.98	0.327	.0768477	2.349208
_lorg_size_5	1.207088	1.222391	0.19	0.853	.1658619	8.78479
_lcsect1_2	.5985071	.6123655	-0.50	0.616	.0805672	4.446112
_lcsect1_3	.6539861	.5751076	-0.48	0.629	.1166896	3.665262
_lcsect1_4	.8340029	.7594064	-0.20	0.842	.1399912	4.968603
_lcsect1_5	.6077854	.6352081	-0.48	0.634	.0783688	4.713649
_lcsect1_6	3.612228	3.77472	1.23	0.219	.4658898	28.00703
_lcsect1_7	.4735579	.6172258	-0.57	0.566	.0368073	6.092731
_lcomb_stat_2	.4750333	.3277058	-1.08	0.281	.1228897	1.836254
_cons	.9245291	.7364355	-0.10	0.922	.1940414	4.40501
-----						

. xi: logistic con\_j i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      89

LR chi2(1)      =      0.10

Prob > chi2 = 0.7523

Log likelihood = -46.09984

Pseudo R2 = 0.0011

-----

con\_j | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-----+-----

\_lyear\_2 | .8333333 .4855236 -0.31 0.754 .2660018 2.610676

\_cons | .2857143 .0865845 -4.13 0.000 .1577535 .5174698

-----

. xi: logistic con\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year       \_lyear\_1-2       (naturally coded; \_lyear\_1 omitted)

i.org\_size   \_lorg\_size\_1-5   (naturally coded; \_lorg\_size\_1 omitted)

i.csect1    \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 89

LR chi2(12) = 9.70

Prob > chi2 = 0.6426

Log likelihood = -41.301331

Pseudo R2 = 0.1051

-----

con\_j | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-----+-----

\_lyear\_2 | .8183015 .5263536 -0.31 0.755 .2319516 2.886883

\_lorg\_size\_2 | 4.655112 4.415495 1.62 0.105 .725343 29.87562

\_lorg\_size\_3 | 9.001066 10.87741 1.82 0.069 .8426612 96.14682

\_lorg\_size\_4 | 4.954184 4.915547 1.61 0.107 .7086125 34.63661

\_lorg\_size\_5 | 6.617922 8.410153 1.49 0.137 .5482798 79.88055

\_lcsect1\_2 | .2176208 .2768322 -1.20 0.231 .0179846 2.633304

\_lcsect1\_3 | .3231356 .3104356 -1.18 0.240 .0491629 2.123891

_lcsect1_4	1.61704	1.383342	0.56	0.574	.3023687	8.647783
_lcsect1_5	.4284184	.4435197	-0.82	0.413	.05632	3.25892
_lcsect1_6	.437243	.5595219	-0.65	0.518	.0356021	5.369952
_lcsect1_7	1.15571	1.23619	0.14	0.892	.1420273	9.404286
_lcomb_stat_2	.3122684	.2180502	-1.67	0.096	.0794607	1.227167
_cons	.1678186	.1551952	-1.93	0.054	.0273947	1.028049

. xi: logistic con\_k i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	89
	LR chi2(1) =	0.21
	Prob > chi2 =	0.6504
Log likelihood = -54.516036	Pseudo R2 =	0.0019

con_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.7921053	.4106319	-0.45	0.653	.2867577 2.188017
_cons	.4651163	.1258875	-2.83	0.005	.2736383 .7905806

. xi: logistic con\_k i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	89
	LR chi2(12) =	20.12

Prob > chi2 = 0.0648

Log likelihood = -44.558234

Pseudo R2 = 0.1842

con_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.654108	.4020513	-0.69	0.490	.1960891	2.181953
_lorg_size_2	.0951994	.0732563	-3.06	0.002	.0210684	.4301667
_lorg_size_3	.0479792	.0539435	-2.70	0.007	.0052971	.434578
_lorg_size_4	.0765943	.0712747	-2.76	0.006	.0123627	.4745482
_lorg_size_5	.1117376	.1193021	-2.05	0.040	.0137839	.9057868
_lcsect1_2	1.921693	1.802059	0.70	0.486	.3058251	12.07521
_lcsect1_3	1.471707	1.241526	0.46	0.647	.2816768	7.689385
_lcsect1_4	.5973819	.5680232	-0.54	0.588	.0926581	3.851419
_lcsect1_5	6.852279	6.704981	1.97	0.049	1.006772	46.6379
_lcsect1_6	.4786116	.6271795	-0.56	0.574	.0366907	6.243239
_lcsect1_7	1.003047	1.149064	0.00	0.998	.1062202	9.471859
_lcomb_stat_2	1.505679	1.022499	0.60	0.547	.3978192	5.69874
_cons	1.842693	1.394975	0.81	0.419	.4178955	8.125283

. xi: logistic con\_l i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 89

LR chi2(1) = 1.46

Prob > chi2 = 0.2271

Log likelihood = -47.897755

Pseudo R2 = 0.0150

---

con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-------	------------	-----------	---	------	----------------------	--

```

-----+-----
      _lyear_2 | .4919786 .3016825 -1.16 0.247 .1479065 1.636459
      _cons | .3695652 .1048958 -3.51 0.000 .2118799 .6446031
-----

```

. xi: logistic con\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

```

Logistic regression               Number of obs =      89
                                LR chi2(12)  =    11.43
                                Prob > chi2   =    0.4922
Log likelihood = -42.910382       Pseudo R2   =    0.1176

```

```

-----+-----
      con_l | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
      _lyear_2 | .500645 .3397706 -1.02 0.308 .132388 1.893264
      _lorg_size_2 | .7025058 .5398731 -0.46 0.646 .1557775 3.168072
      _lorg_size_3 | 1.268615 1.303084 0.23 0.817 .1694339 9.498595
      _lorg_size_4 | .3003598 .291291 -1.24 0.215 .0448891 2.009754
      _lorg_size_5 | 4.139498 4.162402 1.41 0.158 .5768149 29.70701
      _lcsect1_2 | .1583337 .1967494 -1.48 0.138 .0138627 1.808413
      _lcsect1_3 | .4850546 .4104721 -0.85 0.393 .0923572 2.547478
      _lcsect1_4 | .7042568 .6272093 -0.39 0.694 .1229287 4.034678
      _lcsect1_5 | 1.076688 1.019113 0.08 0.938 .1684244 6.882945
      _lcsect1_6 | 1.524504 1.627373 0.40 0.693 .1881441 12.35283
      _lcsect1_7 | .4189861 .5230625 -0.70 0.486 .036271 4.83994
      _lcomb_stat_2 | .5991389 .4089073 -0.75 0.453 .1572496 2.282787

```

\_cons | .7187159 .5534645 -0.43 0.668 .1588799 3.251213

. xi: logistic con\_m i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(1)        =        0.08

Prob > chi2        =        0.7768

Log likelihood = -29.111315                      Pseudo R2        =        0.0014

con\_m | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

\_lyear\_2 |   1.23913   .9281262   0.29 0.775   .2854664   5.378721

\_cons | .1052632 .0451787 -5.25 0.000   .0453882   .2441237

. xi: logistic con\_m i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 18 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

      \_lcsect1\_2 dropped and 11 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 4 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 6 obs not used

Logistic regression                      Number of obs =     50  
   LR chi2(8)     =     8.03  
   Prob > chi2     =   0.4307  
Log likelihood = -19.555673              Pseudo R2     =   0.1703

-----						
con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.705218	1.619167	0.56	0.574	.2651752	10.96546
_lorg_size_2	.5009434	.5688705	-0.61	0.543	.0540961	4.638864
_lorg_size_3	.5008378	.7725205	-0.45	0.654	.0243644	10.29529
_lorg_size_4	1 (omitted)					
_lorg_size_5	4.936729	7.162923	1.10	0.271	.2873377	84.81761
_lcsect1_2	1 (omitted)					
_lcsect1_3	.1499372	.215254	-1.32	0.186	.0089929	2.499874
_lcsect1_4	1.796432	1.857046	0.57	0.571	.2368584	13.62489
_lcsect1_5	1.338112	1.710784	0.23	0.820	.1092008	16.39679
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.9974755	1.123512	-0.00	0.998	.1096848	9.071062
_cons	.2305784	.23713	-1.43	0.154	.0307207	1.730637
-----						

. xi: logistic con\_n i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)



Logistic regression                      Number of obs =     89

   LR chi2(1)     =     0.62

   Prob > chi2     =     0.4294

Log likelihood = -41.611473                      Pseudo R2     =     0.0074

-----						
con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.59	.921013	0.80	0.423	.5108997	4.948329
_cons	.1886792	.0650514	-4.84	0.000	.0959961	.370847
-----						

. xi: logistic con\_n i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lcsect1\_2 != 0 predicts failure perfectly

      \_lcsect1\_2 dropped and 11 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 7 obs not used

Logistic regression                      Number of obs =     71

   LR chi2(10)     =     10.10

   Prob > chi2     =     0.4315

Log likelihood = -32.833934                      Pseudo R2     =     0.1333

---

con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-------	------------	-----------	---	------	----------------------	--

---

```

-----+-----
    _lyear_2 | 1.527675 1.077112 0.60 0.548 .383599 6.083932
    _lorg_size_2 | .5384117 .5245244 -0.64 0.525 .0797752 3.633799
    _lorg_size_3 | .9580156 1.176996 -0.03 0.972 .0862196 10.64483
    _lorg_size_4 | 1.26382 1.157895 0.26 0.798 .2098097 7.612805
    _lorg_size_5 | 1.164161 1.380374 0.13 0.898 .1139521 11.89333
    _lcsect1_2 | 1 (omitted)
    _lcsect1_3 | .6052587 .5481651 -0.55 0.579 .1025729 3.57149
    _lcsect1_4 | 3.336002 2.698068 1.49 0.136 .6835928 16.28002
    _lcsect1_5 | .3437371 .448097 -0.82 0.413 .0267053 4.424417
    _lcsect1_6 | .3598301 .475687 -0.77 0.439 .0269668 4.801379
    _lcsect1_7 | 1 (omitted)
    _lcomb_stat_2 | 1.530691 1.114883 0.58 0.559 .3672083 6.380613
    _cons | .2372611 .1999481 -1.71 0.088 .0454872 1.237552
-----

```

. xi: logistic con\_o i.year if cc\_adopt1==3

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

```

Logistic regression                      Number of obs =      89
                                         LR chi2(1)      =      6.70
                                         Prob > chi2      =      0.0097
Log likelihood = -46.422161              Pseudo R2      =      0.0673

```

```

-----+-----
    con_o | Odds Ratio Std. Err.    z   P>|z|    [95% Conf. Interval]
-----+-----
    _lyear_2 | .1791667 .1404971 -2.19 0.028 .0385275 .8331897
    _cons | .4651163 .1258875 -2.83 0.005 .2736383 .7905806
-----

```



. xi: logistic con\_p i.year if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(1)        =        1.46

Prob > chi2        =        0.2271

Log likelihood = -59.326865                      Pseudo R2        =        0.0121

-----						
con_p	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.5555556	.2748969	-1.19	0.235	.2106399	1.465259
_cons	.8	.202837	-0.88	0.379	.4867108	1.314949
-----						

. xi: logistic con\_p i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =        89

LR chi2(12)        =        21.60

Prob > chi2        =        0.0423

Log likelihood = -49.256978                      Pseudo R2        =        0.1798

-----						
con_p	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.4361551	.2571418	-1.41	0.159	.1373417	1.385095



. xi: logistic con\_w i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 26 obs not used

note: \_lorg\_size\_2 != 0 predicts failure perfectly

      \_lorg\_size\_2 dropped and 24 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

      \_lorg\_size\_3 dropped and 8 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 10 obs not used

note: \_lorg\_size\_5 != 1 predicts failure perfectly

      \_lorg\_size\_5 dropped and 12 obs not used

note: \_lcsect1\_2 != 1 predicts failure perfectly

      \_lcsect1\_2 dropped and 7 obs not used

note: \_lcsect1\_3 omitted because of collinearity

note: \_lcsect1\_4 omitted because of collinearity

note: \_lcsect1\_5 omitted because of collinearity

note: \_lcsect1\_6 omitted because of collinearity

note: \_lcsect1\_7 omitted because of collinearity

note: \_lcomb\_stat\_2 omitted because of collinearity

con_w	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1 (omitted)				
_lorg_size_2	1 (omitted)				
_lorg_size_3	1 (omitted)				
_lorg_size_4	1 (omitted)				
_lorg_size_5	1 (omitted)				
_lcsect1_2	1 (omitted)				
_lcsect1_3	1 (omitted)				
_lcsect1_4	1 (omitted)				
_lcsect1_5	1 (omitted)				
_lcsect1_6	1 (omitted)				
_lcsect1_7	1 (omitted)				
_lcomb_stat_2	1 (omitted)				
_cons	1	1.414214	0.00	1.000	.0625488 15.98751

Logistic regression	Number of obs =	63
	LR chi2(0) =	0.00

Prob > chi2 = .

Log likelihood = -25.837328

Pseudo R2 = 0.0000

-----						
con_x	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1 (omitted)					
_cons	.1666667	.0600069	-4.98	0.000	.0822965	.3375331
-----						

. xi: logistic con\_x i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 26 obs not used

note: \_lorg\_size\_4 != 0 predicts failure perfectly

      \_lorg\_size\_4 dropped and 10 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

      \_lcsect1\_4 dropped and 7 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

      \_lcsect1\_5 dropped and 6 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 4 obs not used



Logistic regression                      Number of obs =     36

   LR chi2(7)     =     5.51

   Prob > chi2     =     0.5976

Log likelihood = -17.487583                      Pseudo R2     =     0.1362

con_x	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1 (omitted)					
_lorg_size_2	.6223867	.7954665	-0.37	0.711	.0508332	7.620314
_lorg_size_3	.1801409	.2976028	-1.04	0.300	.0070694	4.590339
_lorg_size_4	1 (omitted)					
_lorg_size_5	1.540583	2.189814	0.30	0.761	.0950103	24.9804
_lcsect1_2	1.442883	1.817081	0.29	0.771	.1222583	17.02879
_lcsect1_3	1.4928	1.765634	0.34	0.735	.1469702	15.16262
_lcsect1_4	1 (omitted)					
_lcsect1_5	1 (omitted)					
_lcsect1_6	1 (omitted)					
_lcsect1_7	6.492634	9.740736	1.25	0.212	.3430715	122.8732
_lcomb_stat_2	3.873952	3.989487	1.32	0.188	.5147149	29.15692
_cons	.1360658	.1917294	-1.42	0.157	.0085966	2.153632

. xi: logistic con\_a i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     283

   LR chi2(1)     =     1.86

   Prob > chi2     =     0.1726

Log likelihood = -177.54257                      Pseudo R2     =     0.0052

	con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.6975052	.1836103	-1.37	0.171	.4163689 1.168467
_cons		2.363636	.3802012	5.35	0.000	1.724492 3.239665
-----						

. xi: logistic con\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    283

LR chi2(12)    =    12.61

Prob > chi2    =    0.3982

Log likelihood = -172.16861                      Pseudo R2    =    0.0353

	con_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.5892983	.1637611	-1.90	0.057	.3418168 1.015961
_lorg_size_2		.7570931	.3411009	-0.62	0.537	.3130753 1.830837
_lorg_size_3		.5050236	.2595761	-1.33	0.184	.1844184 1.38299
_lorg_size_4		.7439294	.3632944	-0.61	0.545	.2856613 1.937368
_lorg_size_5		.7791163	.4587204	-0.42	0.672	.2457198 2.470383
_lcsect1_2		.355908	.1851183	-1.99	0.047	.1284111 .9864452
_lcsect1_3		.2668264	.1405793	-2.51	0.012	.0950096 .7493593
_lcsect1_4		.5849164	.3000574	-1.05	0.296	.2140101 1.59865
_lcsect1_5		.4655491	.2652373	-1.34	0.180	.152409 1.422068
_lcsect1_6		.4280916	.2408812	-1.51	0.132	.1420945 1.289722

_lcsect1_7		.3606246	.1960147	-1.88	0.061	.1242772	1.046452
_lcomb_stat_2		.6720162	.211571	-1.26	0.207	.3625733	1.245557
_cons		9.356603	5.808279	3.60	0.000	2.77153	31.58762

. xi: logistic con\_b i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs	=	283
	LR chi2(1)	=	2.32
	Prob > chi2	=	0.1276
Log likelihood = -192.8298	Pseudo R2	=	0.0060

con_b		Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	--	------------	-----------	---	------	----------------------

_lyear_2		.6818181	.1714614	-1.52	0.128	.4164963	1.116159
_cons		1.466667	.2196293	2.56	0.011	1.09362	1.966965

. xi: logistic con\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs	=	283
	LR chi2(12)	=	13.30
	Prob > chi2	=	0.3474
Log likelihood = -187.33891	Pseudo R2	=	0.0343

con_b   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	.6349791	.1676713	-1.72	0.085 .3784364 1.065433
_lorg_size_2	1.305801	.5217124	0.67	0.504 .59675 2.857336
_lorg_size_3	1.364682	.643976	0.66	0.510 .5412029 3.441142
_lorg_size_4	1.521472	.6670047	0.96	0.338 .6443205 3.592741
_lorg_size_5	1.970155	1.075953	1.24	0.214 .6755183 5.745976
_lcsect1_2	.7076014	.3218462	-0.76	0.447 .2901532 1.72564
_lcsect1_3	.8944244	.4166633	-0.24	0.811 .3589347 2.228804
_lcsect1_4	.8391617	.3690479	-0.40	0.690 .3544074 1.986957
_lcsect1_5	1.917026	.9927397	1.26	0.209 .694752 5.289641
_lcsect1_6	.9335528	.4731659	-0.14	0.892 .3457103 2.520957
_lcsect1_7	.6112779	.2952242	-1.02	0.308 .237214 1.575204
_lcomb_stat_2	.7924875	.230674	-0.80	0.424 .4479485 1.402028
_cons	1.328383	.6804566	0.55	0.579 .4867434 3.625321

. xi: logistic con\_c i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    283

   LR chi2(1)    =    0.78

   Prob > chi2    =    0.3776

Log likelihood = -189.14532                      Pseudo R2    =    0.0021

con_c   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	.7967836	.2058983	-0.88	0.379 .4801533 1.322211
_cons	.6972477	.1041964	-2.41	0.016 .5202162 .9345238

-----  
. xi: logistic con\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    283

LR chi2(12)    =    8.40

Prob > chi2    =   0.7532

Log likelihood = -185.33495              Pseudo R2       =   0.0222

-----  
con\_c | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

-----+-----  
\_lyear\_2 | .7341397 .1980721 -1.15 0.252 .4326364 1.24576  
\_lorg\_size\_2 | .9315596 .380404 -0.17 0.862 .4184282 2.07396  
\_lorg\_size\_3 | .8131893 .3942746 -0.43 0.670 .3144031 2.103277  
\_lorg\_size\_4 | 1.127383 .5007761 0.27 0.787 .4720341 2.692586  
\_lorg\_size\_5 | 1.286448 .6984104 0.46 0.643 .4438911 3.728276  
\_lcsect1\_2 | .5169993 .2378039 -1.43 0.151 .2098763 1.273552  
\_lcsect1\_3 | .4019618 .1922393 -1.91 0.057 .1574328 1.0263  
\_lcsect1\_4 | .4388837 .1978404 -1.83 0.068 .1814028 1.06183  
\_lcsect1\_5 | .5926487 .2950321 -1.05 0.293 .2233843 1.572324  
\_lcsect1\_6 | .5668781 .2892274 -1.11 0.266 .2085438 1.540927  
\_lcsect1\_7 | .735671 .3536498 -0.64 0.523 .2867453 1.887431  
\_lcomb\_stat\_2 | 1.106984 .3279348 0.34 0.732 .6194129 1.978348  
\_cons | 1.198142 .6213814 0.35 0.727 .4335682 3.311  
-----

. xi: logistic con\_d i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     283

LR chi2(1)     =     0.18

Prob > chi2     =     0.6748

Log likelihood = -194.96698              Pseudo R2     =     0.0005

-----						
con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9	.2261966	-0.42	0.675	.5499338	1.472905
_cons	.8686869	.1280508	-0.95	0.340	.6507137	1.159676
-----						

. xi: logistic con\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat     \_lcomb\_stat\_1-2     (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     283

LR chi2(12)     =     11.01

Prob > chi2     =     0.5283

Log likelihood = -189.55149              Pseudo R2     =     0.0282

-----						
con_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8961203	.235832	-0.42	0.677	.5350022	1.500987
_lorg_size_2	1.498608	.6201157	0.98	0.328	.6659869	3.372178

_lorg_size_3	2.077118	.9985008	1.52	0.128	.809611	5.329005
_lorg_size_4	2.37112	1.064707	1.92	0.055	.9834165	5.717019
_lorg_size_5	3.952277	2.194793	2.47	0.013	1.330929	11.73653
_lcsect1_2	1.389525	.6396093	0.71	0.475	.5637048	3.425162
_lcsect1_3	.6840082	.3246673	-0.80	0.424	.2697956	1.734154
_lcsect1_4	1.276852	.5681994	0.55	0.583	.5337715	3.054397
_lcsect1_5	1.225162	.608895	0.41	0.683	.4625444	3.245139
_lcsect1_6	1.161162	.5899286	0.29	0.769	.4289823	3.143011
_lcsect1_7	1.362829	.6616768	0.64	0.524	.5262214	3.529509
_lcomb_stat_2	.9180982	.2687929	-0.29	0.770	.5172276	1.629658
_cons	.4460414	.2357808	-1.53	0.127	.1582792	1.256975

. xi: logistic con\_e i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    283

LR chi2(1)    =    0.67

Prob > chi2    =    0.4130

Log likelihood = -123.62621              Pseudo R2    =    0.0027

con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	1.316667	.4395019	0.82	0.410	.6844563    2.53283
----------	----------	----------	------	-------	---------------------

_cons	.1708861	.0355862	-8.48	0.000	.1136182    .2570192
-------	----------	----------	-------	-------	----------------------

. xi: logistic con\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =      283

LR chi2(12)      =      15.42

Prob > chi2      =      0.2192

Log likelihood = -116.25059                      Pseudo R2      =      0.0622

-----+-----						
con_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.35634	.4787334	0.86	0.388	.6790919	2.708996
_lorg_size_2	1.201955	.6311291	0.35	0.726	.4294719	3.36389
_lorg_size_3	.7701186	.4997503	-0.40	0.687	.2158691	2.747418
_lorg_size_4	.3219254	.226054	-1.61	0.106	.0812918	1.274864
_lorg_size_5	1.949057	1.269411	1.02	0.306	.5438024	6.985666
_lcsect1_2	1.816726	1.119809	0.97	0.333	.5427737	6.080793
_lcsect1_3	1.039724	.7462043	0.05	0.957	.2546921	4.244444
_lcsect1_4	1.371342	.8425755	0.51	0.607	.4112949	4.572337
_lcsect1_5	1.581908	1.132997	0.64	0.522	.3886264	6.439177
_lcsect1_6	1.596151	1.069702	0.70	0.485	.42916	5.936474
_lcsect1_7	1.341737	.9241761	0.43	0.670	.3478307	5.175677
_lcomb_stat_2	1.923405	.7910752	1.59	0.112	.8589757	4.306857
_cons	.0940335	.0700923	-3.17	0.002	.0218172	.4052899
-----						

. xi: logistic con\_f i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      283

LR chi2(1)      =      0.02



Prob > chi2 = 0.8949

Log likelihood = -156.03904

Pseudo R2 = 0.0001

-----						
con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.039312	.3030083	0.13	0.895	.5869224	1.840396
_cons	.3120567	.0538869	-6.74	0.000	.2224567	.4377455
-----						

. xi: logistic con\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 283

LR chi2(12) = 16.25

Prob > chi2 = 0.1802

Log likelihood = -147.92411

Pseudo R2 = 0.0521

-----						
con_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8812772	.2718599	-0.41	0.682	.4814271	1.613223
_lorg_size_2	1.461699	.6655081	0.83	0.404	.5988361	3.567862
_lorg_size_3	.9664973	.5296494	-0.06	0.950	.3301675	2.829221
_lorg_size_4	.3959287	.2277247	-1.61	0.107	.1282434	1.22236
_lorg_size_5	1.336854	.8050912	0.48	0.630	.4106448	4.352127
_lcsect1_2	.6309906	.3244345	-0.90	0.370	.2303367	1.728553
_lcsect1_3	.3379123	.1921095	-1.91	0.056	.1108868	1.029741

_lcsect1_4	.7561422	.3721174	-0.57	0.570	.2882072	1.983819
_lcsect1_5	.3631621	.2117407	-1.74	0.082	.115827	1.138653
_lcsect1_6	.8459958	.4662252	-0.30	0.762	.2872593	2.491508
_lcsect1_7	.4890475	.2794681	-1.25	0.211	.1595617	1.498903
_lcomb_stat_2	.7709633	.26208	-0.77	0.444	.395984	1.501031
_cons	.6153365	.3524606	-0.85	0.397	.2002397	1.890929

-----

. xi: logistic con\_g i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	283
	LR chi2(1) =	1.07
	Prob > chi2 =	0.2999
Log likelihood = -180.0548	Pseudo R2 =	0.0030

-----

con_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	.7577953	.2040854	-1.03	0.303	.4470034 1.284674
_cons	.5546218	.0851211	-3.84	0.000	.4105424 .7492659

-----

. xi: logistic con\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	283
	LR chi2(12) =	20.53

Prob > chi2 = 0.0577

Log likelihood = -170.32821

Pseudo R2 = 0.0568

-----

con\_g | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

-----+-----

_lyear_2	.7812634	.222556	-0.87	0.386	.4470112	1.365452
_lorg_size_2	1.605632	.7766429	0.98	0.328	.6221867	4.14354
_lorg_size_3	1.374328	.7649296	0.57	0.568	.461663	4.091249
_lorg_size_4	2.939361	1.489695	2.13	0.033	1.08857	7.936875
_lorg_size_5	5.843727	3.498668	2.95	0.003	1.807471	18.89333
_lcsect1_2	1.022368	.5370274	0.04	0.966	.3651659	2.862363
_lcsect1_3	1.855767	.9643543	1.19	0.234	.6701843	5.138692
_lcsect1_4	1.824621	.897085	1.22	0.221	.696105	4.782672
_lcsect1_5	2.04311	1.1353	1.29	0.199	.6875474	6.071289
_lcsect1_6	1.946784	1.072983	1.21	0.227	.6609559	5.73407
_lcsect1_7	1.412477	.7679086	0.64	0.525	.4866495	4.099647
_lcomb_stat_2	1.202181	.3859409	0.57	0.566	.6407741	2.255456
_cons	.1644193	.1026265	-2.89	0.004	.0483786	.5587945

-----

. xi: logistic con\_h i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 283

LR chi2(1) = 0.47

Prob > chi2 = 0.4907

Log likelihood = -183.571

Pseudo R2 = 0.0013

-----

con\_h | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]

```

-----+-----
      _lyear_2 | .8342246 .2201696 -0.69 0.492 .4973165 1.399372
      _cons | .5811966 .0886261 -3.56 0.000 .4310466 .7836496
-----

```

. xi: logistic con\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size     \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

```

Logistic regression               Number of obs =   283
                                LR chi2(12)  =   10.75
                                Prob > chi2   =   0.5508
Log likelihood = -178.43552       Pseudo R2   =   0.0292

```

```

-----+-----
      con_h | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
      _lyear_2 | .8214542 .2265 -0.71 0.476 .4784991 1.410216
      _lorg_size_2 | 1.703139 .760066 1.19 0.233 .7102007 4.084312
      _lorg_size_3 | 1.390043 .7242739 0.63 0.527 .5006277 3.859597
      _lorg_size_4 | 1.804359 .8678665 1.23 0.220 .7029254 4.63166
      _lorg_size_5 | 2.067194 1.192652 1.26 0.208 .6672474 6.404359
      _lcsect1_2 | .8437777 .4008654 -0.36 0.721 .3325337 2.141018
      _lcsect1_3 | .6295979 .3156526 -0.92 0.356 .2356722 1.68197
      _lcsect1_4 | .7775285 .3601745 -0.54 0.587 .3136276 1.927607
      _lcsect1_5 | 1.14287 .5886612 0.26 0.795 .4164534 3.136372
      _lcsect1_6 | 1.188654 .6098971 0.34 0.736 .4348152 3.249422
      _lcsect1_7 | 1.64838 .8072544 1.02 0.307 .6312511 4.304402
      _lcomb_stat_2 | 1.42379 .436059 1.15 0.249 .7811808 2.595018

```

\_cons | .320457 .1807595 -2.02 0.044 .1060802 .9680665

. xi: logistic con\_i i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     283

LR chi2(1)     =     7.19

Prob > chi2     =     0.0073

Log likelihood = -141.28195                      Pseudo R2     =     0.0248

con\_i | Odds Ratio Std. Err.    z   P>|z|    [95% Conf. Interval]

\_lyear\_2 | .4096982 .1439693 -2.54 0.011 .2057544 .8157912

\_cons | .3405797 .0575196 -6.38 0.000 .2446029 .4742159

. xi: logistic con\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     283

LR chi2(12)     =     21.83

Prob > chi2     =     0.0395

Log likelihood = -133.96373                      Pseudo R2     =     0.0753

con\_i | Odds Ratio Std. Err.    z   P>|z|    [95% Conf. Interval]

```

-----+-----
    _lyear_2 | .3548991 .1327931 -2.77 0.006 .170455 .7389247
    _lorg_size_2 | 1.246235 .6347909 0.43 0.666 .4592257 3.382002
    _lorg_size_3 | .6269415 .4142058 -0.71 0.480 .1717345 2.288739
    _lorg_size_4 | 1.687298 .9104179 0.97 0.332 .5860138 4.858205
    _lorg_size_5 | 2.006819 1.311531 1.07 0.287 .5574636 7.224371
    _lcsect1_2 | .4725453 .2476435 -1.43 0.153 .1691844 1.319856
    _lcsect1_3 | .3349028 .1930587 -1.90 0.058 .1082015 1.036583
    _lcsect1_4 | .5986117 .301919 -1.02 0.309 .2227557 1.608651
    _lcsect1_5 | .3075294 .1963552 -1.85 0.065 .0879834 1.074911
    _lcsect1_6 | .1887983 .1382432 -2.28 0.023 .0449496 .7929955
    _lcsect1_7 | .3650585 .2152972 -1.71 0.088 .1149098 1.159759
    _lcomb_stat_2 | 1.11654 .4103917 0.30 0.764 .5432625 2.29477
    _cons | .5867453 .3594946 -0.87 0.384 .1765731 1.949731
-----

```

. xi: logistic con\_j i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

```

Logistic regression                      Number of obs =     283
                                         LR chi2(1)     =     0.19
                                         Prob > chi2     =   0.6610
Log likelihood = -140.68195              Pseudo R2       =   0.0007

```

```

-----+-----
    con_j | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]
-----+-----
    _lyear_2 | .8703947   .276854   -0.44   0.663   .4666241   1.623549
    _cons | .2585034   .0470437   -7.43   0.000   .1809508   .3692939
-----

```

. xi: logistic con\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     283

LR chi2(12)    =     8.95

Prob > chi2    =     0.7076

Log likelihood = -136.3055                  Pseudo R2     =     0.0318

-----+-----						
con_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	.9800122	.3262885	-0.06	0.952	.5103047	1.88206
_lorg_size_2	1.334045	.6916932	0.56	0.578	.4828676	3.685638
_lorg_size_3	1.084143	.6728728	0.13	0.896	.3212095	3.659186
_lorg_size_4	1.108804	.6283341	0.18	0.855	.3651723	3.366755
_lorg_size_5	1.346301	.9051861	0.44	0.658	.3604428	5.02861
_lcsect1_2	1.851534	1.003512	1.14	0.256	.6400138	5.356411
_lcsect1_3	2.121849	1.20656	1.32	0.186	.6961298	6.467532
_lcsect1_4	.8125599	.4705751	-0.36	0.720	.2611572	2.528185
_lcsect1_5	.9835863	.6516312	-0.02	0.980	.2684645	3.603613
_lcsect1_6	.5267098	.3895236	-0.87	0.386	.1236155	2.244244
_lcsect1_7	1.047675	.6431287	0.08	0.940	.3145619	3.489374
_lcomb_stat_2	1.608767	.600773	1.27	0.203	.7737903	3.344747
_cons	.13703	.0931017	-2.93	0.003	.0361816	.5189718
-----						

. xi: logistic con\_k i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

```

Logistic regression              Number of obs =   283

                                LR chi2(1)   =    0.01

                                Prob > chi2   =   0.9053

Log likelihood = -179.8945        Pseudo R2   =   0.0000

```

```

-----
      con_k | Odds Ratio Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
      _lyear_2 |   1.03203   .2733334    0.12  0.905   .6141176   1.734336
      _cons |   .4919355   .076934   -4.54  0.000   .3620665   .6683869
-----

```

```

. xi: logistic con_k i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)

```

```

Logistic regression              Number of obs =   283

                                LR chi2(12)  =    7.40

                                Prob > chi2   =   0.8298

Log likelihood = -176.19988      Pseudo R2   =   0.0206

```

```

-----
      con_k | Odds Ratio Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
      _lyear_2 |   .9015703   .2489975   -0.38  0.708   .5247024   1.549124
      _lorg_size_2 |   .8826398   .366031   -0.30  0.763   .3915525   1.989652
      _lorg_size_3 |   .9450742   .459617   -0.12  0.908   .3643359   2.451489
      _lorg_size_4 |   .6311243   .2930686   -0.99  0.322   .2540103   1.568117

```



_lorg_size_5	.6792805	.3893534	-0.67	0.500	.2208784	2.089032
_lcsect1_2	.4273111	.2085366	-1.74	0.081	.1641876	1.11211
_lcsect1_3	.4529048	.2211887	-1.62	0.105	.1738997	1.179546
_lcsect1_4	.4997822	.2311263	-1.50	0.134	.2019013	1.23715
_lcsect1_5	.5505585	.2797281	-1.17	0.240	.2033876	1.49033
_lcsect1_6	.9644591	.4892616	-0.07	0.943	.3568427	2.606699
_lcsect1_7	.690219	.3405074	-0.75	0.452	.2624591	1.815149
_lcomb_stat_2	.8421779	.2586627	-0.56	0.576	.4612853	1.537581
_cons	1.119911	.5905914	0.21	0.830	.3983802	3.148252

. xi: logistic con\_l i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      283

LR chi2(1)      =      0.08

Prob > chi2      =      0.7775

Log likelihood = -143.49327                      Pseudo R2      =      0.0003

con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-------	------------	-----------	---	------	----------------------

_lyear_2	1.090909	.3351593	0.28	0.777	.5974129 1.992061
----------	----------	----------	------	-------	-------------------

_cons	.25	.0459509	-7.54	0.000	.1743757 .3584214
-------	-----	----------	-------	-------	-------------------

. xi: logistic con\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    283

   LR chi2(12)    =    13.53

   Prob > chi2    =    0.3314

Log likelihood = -136.76612                      Pseudo R2    =    0.0471

con_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.104373	.3578818	0.31	0.759	.5851626	2.084275
_lorg_size_2	1.439682	.7963143	0.66	0.510	.4869131	4.256784
_lorg_size_3	1.145151	.7391576	0.21	0.834	.3231765	4.057753
_lorg_size_4	1.338596	.7914023	0.49	0.622	.420149	4.264768
_lorg_size_5	2.407461	1.60007	1.32	0.186	.6543732	8.857132
_lcsect1_2	.7776865	.4286682	-0.46	0.648	.2640063	2.290841
_lcsect1_3	1.246478	.6978341	0.39	0.694	.4160483	3.734438
_lcsect1_4	.6782254	.3662708	-0.72	0.472	.2353362	1.954607
_lcsect1_5	.5506816	.3873117	-0.85	0.396	.138747	2.185634
_lcsect1_6	1.188449	.6795704	0.30	0.763	.3874828	3.645092
_lcsect1_7	1.155476	.646905	0.26	0.796	.3856624	3.461902
_lcomb_stat_2	2.172118	.8055401	2.09	0.036	1.050054	4.493198
_cons	.1295069	.088984	-2.97	0.003	.0336848	.4979116

. xi: logistic con\_m i.year if cc\_adopt1==5

i.year            \_lyear\_1-2            (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    283

   LR chi2(1)    =    3.76

   Prob > chi2    =    0.0526

Log likelihood = -87.229481                      Pseudo R2    =    0.0211

	con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.3983382	.2040263	-1.80	0.072	.1459728 1.087006
_cons		.1349693	.030656	-8.82	0.000	.0864767 .2106547
-----						

. xi: logistic con\_m i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 28 obs not used

Logistic regression                      Number of obs =    255

   LR chi2(11)    =    8.22

   Prob > chi2    =   0.6936

Log likelihood = -82.034482              Pseudo R2     =   0.0477

	con_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		.380272	.2033651	-1.81	0.071	.1333157 1.084694
_lorg_size_2		1.879198	1.534382	0.77	0.440	.379279 9.310782
_lorg_size_3		2.265149	2.035585	0.91	0.363	.3891898 13.18354
_lorg_size_4		1.805163	1.550493	0.69	0.492	.335275 9.719226
_lorg_size_5		3.021485	2.976863	1.12	0.262	.4381166 20.83777
_lcsect1_2		.4987444	.3957245	-0.88	0.381	.1053172 2.361873

_lcsect1_3	1.162509	.8450124	0.21	0.836	.2796852	4.831961
_lcsect1_4	.8382554	.5860837	-0.25	0.801	.2129321	3.299982
_lcsect1_5	.6566317	.582956	-0.47	0.636	.1152463	3.741248
_lcsect1_6	1 (omitted)					
_lcsect1_7	.9867638	.7384903	-0.02	0.986	.2276026	4.278083
_lcomb_stat_2	1.553005	.8063666	0.85	0.397	.5613108	4.29677
_cons	.0765457	.0748356	-2.63	0.009	.0112651	.5201229

. xi: logistic con\_n i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	283
	LR chi2(1) =	0.04
	Prob > chi2 =	0.8363
Log likelihood = -136.45641	Pseudo R2 =	0.0002

con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.068131	.3400016	0.21	0.836	.5723673 1.993308
_cons	.2251656	.0427425	-7.85	0.000	.1552105 .3266502

. xi: logistic con\_n i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	283
---------------------	-----------------	-----

LR chi2(12) = 16.26

Prob > chi2 = 0.1797

Log likelihood = -128.34909

Pseudo R2 = 0.0596

con_n	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+						
_lyear_2	1.152941	.3916929	0.42	0.675	.5924141	2.243825
_lorg_size_2	1.4522	.8870754	0.61	0.541	.4386021	4.808198
_lorg_size_3	2.331733	1.564558	1.26	0.207	.6259442	8.686047
_lorg_size_4	2.604561	1.631028	1.53	0.126	.7632998	8.887385
_lorg_size_5	5.200552	3.602057	2.38	0.017	1.33808	20.21235
_lcsect1_2	2.186406	1.259945	1.36	0.175	.7066667	6.764675
_lcsect1_3	1.78993	1.077872	0.97	0.334	.5498624	5.826638
_lcsect1_4	1.705352	.9684426	0.94	0.347	.5603122	5.190367
_lcsect1_5	.7492951	.5591322	-0.39	0.699	.1735709	3.234661
_lcsect1_6	.7646314	.5412998	-0.38	0.705	.190927	3.062224
_lcsect1_7	1.170498	.7759532	0.24	0.812	.3192177	4.291944
_lcomb_stat_2	1.306141	.4926977	0.71	0.479	.6235958	2.735755
_cons	.0693418	.0527275	-3.51	0.000	.0156222	.3077855

. xi: logistic con\_o i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 283

LR chi2(1) = 0.00

Prob > chi2 = 0.9846

Log likelihood = -160.49926

Pseudo R2 = 0.0000

---

con_o	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.005538	.288331	0.02	0.985	.5732212	1.763902
_cons	.3405797	.0575196	-6.38	0.000	.2446028	.4742158

. xi: logistic con\_o i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    283

LR chi2(12)    =    11.15

Prob > chi2    =    0.5162

Log likelihood = -154.925                      Pseudo R2    =    0.0347

con_o	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.032797	.3114671	0.11	0.915	.5718903	1.865165
_lorg_size_2	1.674678	.8572356	1.01	0.314	.6140697	4.567148
_lorg_size_3	2.963095	1.682455	1.91	0.056	.973712	9.016968
_lorg_size_4	1.345217	.7516676	0.53	0.596	.4499521	4.021783
_lorg_size_5	1.798506	1.155708	0.91	0.361	.5104288	6.33707
_lcsect1_2	2.055602	1.043699	1.42	0.156	.7598972	5.56062
_lcsect1_3	1.110986	.6007873	0.19	0.846	.3849502	3.206361
_lcsect1_4	.9389932	.4911018	-0.12	0.904	.3368809	2.61727
_lcsect1_5	.8636278	.5158151	-0.25	0.806	.2678757	2.784325
_lcsect1_6	1.724752	.9527261	0.99	0.324	.5841656	5.092337
_lcsect1_7	.9792833	.564643	-0.04	0.971	.3163121	3.031803

_lcomb_stat_2		1.285234	.4252901	0.76	0.448	.6719171	2.458379
_cons		.1506449	.096708	-2.95	0.003	.0428072	.5301412

-----

. xi: logistic con\_p i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs	=	283
	LR chi2(1)	=	0.25
	Prob > chi2	=	0.6164
Log likelihood = -187.53815	Pseudo R2	=	0.0007

-----

con_p		Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----						
_lyear_2		1.137338	.2918399	0.50	0.616	.6878157 1.880646
_cons		.5811966	.0886261	-3.56	0.000	.4310466 .7836496

-----

. xi: logistic con\_p i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs	=	283
	LR chi2(12)	=	10.90
	Prob > chi2	=	0.5375
Log likelihood = -182.21329	Pseudo R2	=	0.0290

-----

con_p	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.018742	.2735992	0.07	0.945	.6018121	1.724518
_lorg_size_2	2.163586	.9421797	1.77	0.076	.9215104	5.079816
_lorg_size_3	2.215881	1.114122	1.58	0.114	.8271247	5.936381
_lorg_size_4	1.572107	.7492603	0.95	0.342	.6177353	4.000935
_lorg_size_5	1.245701	.731242	0.37	0.708	.3942284	3.936224
_lcsect1_2	.5979694	.2844905	-1.08	0.280	.2353479	1.519314
_lcsect1_3	.4526459	.2188253	-1.64	0.101	.175492	1.167508
_lcsect1_4	.9169253	.410362	-0.19	0.846	.3814047	2.204356
_lcsect1_5	.5370761	.2716737	-1.23	0.219	.1992808	1.447459
_lcsect1_6	.833575	.4286853	-0.35	0.723	.3042247	2.283994
_lcsect1_7	.5457101	.2769594	-1.19	0.233	.2018177	1.475587
_lcomb_stat_2	.5433214	.1656247	-2.00	0.045	.2989363	.9874949
_cons	.6846186	.3681117	-0.70	0.481	.2386532	1.963949

. xi: logistic con\_w i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     283

    LR chi2(1)     =     1.29

    Prob > chi2     =     0.2565

Log likelihood = -15.98074                      Pseudo R2     =     0.0387

con_w	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.833333	4.719597	1.09	0.275	.3432242	42.81296
_cons	.0054348	.0054495	-5.20	0.000	.0007615	.0387877



. xi: logistic con\_w i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts failure perfectly

      \_lorg\_size\_5 dropped and 27 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

      \_lcsect1\_4 dropped and 42 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

      \_lcsect1\_5 dropped and 40 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

      \_lcsect1\_6 dropped and 22 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

      \_lcsect1\_7 dropped and 32 obs not used

convergence not achieved

Logistic regression                      Number of obs =    120

   LR chi2(6)    =    6.61

   Prob > chi2    =    0.3589

Log likelihood = -10.726009              Pseudo R2      =    0.2354

-----  
con\_w | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----

_lyear_2	8.018401	10.4508	1.60	0.110	.6232647	103.158
_lorg_size_2	4340739	1.61e+10	0.00	0.997	0	.
_lorg_size_3	9993833	3.70e+10	0.00	0.997	0	.
_lorg_size_4	7302651	2.71e+10	0.00	0.997	0	.
_lorg_size_5	1 (omitted)					
_lcsect1_2	1.44e+07	.	.	.	.	.
_lcsect1_3	1.74e+07	2.68e+07	10.84	0.000	854566.7	3.54e+08
_lcsect1_4	1 (omitted)					
_lcsect1_5	1 (omitted)					
_lcsect1_6	1 (omitted)					
_lcsect1_7	1 (omitted)					
_lcomb_stat_2	.9404937	1.557002	-0.04	0.970	.0366588	24.12869
_cons	1.85e-16	6.85e-13	-0.01	0.992	0	.

-----

Note: 46 failures and 0 successes completely determined.

convergence not achieved

r(430);

end of do-file

r(430);

. do "C:\Users\Ahmad\Temp\STD02000000.tmp"

. xi: logistic con\_x i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 98 obs not used

Logistic regression

Number of obs = 185

```

LR chi2(0)   =   -0.00
Prob > chi2   =   .
Log likelihood = -71.386433      Pseudo R2   =   -0.0000

```

---

con_x   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>				
_lyear_2	1 (omitted)			
_cons	.1490683	.0326177	-8.70	0.000 .0970809 .2288953

---

```

. xi: logistic con_x i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)
note: _lyear_2 != 0 predicts failure perfectly
      _lyear_2 dropped and 98 obs not used

```

```

Logistic regression      Number of obs =   185
LR chi2(11)   =   9.74
Prob > chi2   =   0.5536
Log likelihood = -66.514721      Pseudo R2   =   0.0682

```

---

con_x   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>				
_lyear_2	1 (omitted)			
_lorg_size_2	.5812717	.4173766	-0.76	0.450 .1422925 2.374523
_lorg_size_3	1.277104	1.006261	0.31	0.756 .2726114 5.982853

```

_lorg_size_4 | .3319398 .2880216 -1.27 0.204 .0606008 1.818194
_lorg_size_5 | .9780313 .9065667 -0.02 0.981 .1589822 6.016682
_lcsect1_2 | 2.244881 2.632173 0.69 0.490 .2254969 22.34838
_lcsect1_3 | 2.327036 2.752688 0.71 0.475 .2290356 23.64303
_lcsect1_4 | 3.833949 4.39129 1.17 0.241 .4061679 36.18987
_lcsect1_5 | 2.192991 2.699715 0.64 0.524 .1964049 24.4862
_lcsect1_6 | 3.09768 3.876451 0.90 0.366 .2665869 35.99433
_lcsect1_7 | .683121 1.000358 -0.26 0.795 .038726 12.05015
_lcomb_stat_2 | .6259358 .3368797 -0.87 0.384 .2179775 1.797413
_cons | .1204804 .1413241 -1.80 0.071 .0120907 1.20055

```

```

. bysort year: sum iex_bnf_a if cc_adopt1==3

```

```

-> year = 1

```

```

Variable | Obs Mean Std. Dev. Min Max
-----+-----
iex_bnf_a | 62 3.790323 .812547 1 5

```

```

-> year = 2

```

```

Variable | Obs Mean Std. Dev. Min Max
-----+-----
iex_bnf_a | 26 3.923077 .9766505 2 5

```

```

. xi: ologit iex_bnf_a i.year if cc_adopt1==3, or

```

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -108.1433

Iteration 1: log likelihood = -107.70173

Iteration 2: log likelihood = -107.70123

Iteration 3: log likelihood = -107.70123

Ordered logistic regression                      Number of obs =        88

LR chi2(1)        =        0.88

Prob > chi2        =        0.3471

Log likelihood = -107.70123                      Pseudo R2        =        0.0041

-----						
iex_bnf_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.524033	.6848734	0.94	0.348	.6316545	3.677132
-----+-----						
/cut1	-4.357478	1.011642			-6.340259	-2.374696
/cut2	-2.706538	.4721516			-3.631938	-1.781138
/cut3	-.6580056	.25348			-1.154817	-.1611939
/cut4	1.417801	.2962243			.8372117	1.99839
-----						

. xi: ologit iex\_bnf\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -108.1433

Iteration 1: log likelihood = -104.53106

Iteration 4: log likelihood = -104.49605

Prob > chi2 = 0.8376

iex_bnf_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----------	------------	-----------	---	------	----------------------

lcomb stat 2	.8269678	.4036186	-0.39	0.697	.3177183	2.152459
--------------	----------	----------	-------	-------	----------	----------

```

/cut4 | 1.199965 .6455141          -.065219  2.46515

```

```
. bysort year: sum iex_bnf_b if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_b	62	3.774194	.8380179	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_b	26	3.884615	.9089301	2	5

```
. xi: ologit iex_bnf_b i.year if cc_adopt1==3, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -103.54161
```

```
Iteration 1: log likelihood = -103.26785
```

```
Iteration 2: log likelihood = -103.26751
```

```
Iteration 3: log likelihood = -103.26751
```

```
Ordered logistic regression      Number of obs =      88
```

```
LR chi2(1) =      0.55
```

```
Prob > chi2 =      0.4591
```

```
Log likelihood = -103.26751      Pseudo R2 =      0.0026
```

	ie_x_bnf_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
	_lyear_2	1.405809	.6487554	0.74	0.460	.5689998	3.473285
	/cut1	-4.37569	1.012399			-6.359956	-2.391425
	/cut2	-2.214493	.3879469			-2.974855	-1.454131
	/cut3	-.9501181	.2690844			-1.477514	-.4227224
	/cut4	1.687832	.3206975			1.059277	2.316388

```
. xi: ologit ie_x_bnf_b i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
Iteration 0: log likelihood = -103.54161
Iteration 1: log likelihood = -98.070841
Iteration 2: log likelihood = -97.933947
Iteration 3: log likelihood = -97.933539
Iteration 4: log likelihood = -97.933539
```

```
Ordered logistic regression      Number of obs =      88
                                LR chi2(12)  =    11.22
                                Prob > chi2   =    0.5105
Log likelihood = -97.933539      Pseudo R2   =    0.0542
```

	ie_x_bnf_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	



_lyear_2	1.273582	.6165579	0.50	0.617	.4931156	3.28931
_lorg_size_2	.6412528	.3994452	-0.71	0.476	.189149	2.173975
_lorg_size_3	1.795719	1.558179	0.67	0.500	.3278193	9.836535
_lorg_size_4	1.030698	.7243585	0.04	0.966	.259968	4.086417
_lorg_size_5	1.797765	1.65283	0.64	0.523	.296589	10.8971
_lcsect1_2	.2590739	.2080907	-1.68	0.093	.0536698	1.250597
_lcsect1_3	.6686867	.4897194	-0.55	0.583	.159161	2.809368
_lcsect1_4	1.101938	.8023328	0.13	0.894	.2644775	4.591197
_lcsect1_5	.3173002	.2560857	-1.42	0.155	.0652357	1.543318
_lcsect1_6	.6494962	.5892569	-0.48	0.634	.1097292	3.844423
_lcsect1_7	1.049573	.9311735	0.05	0.957	.1844307	5.972998
_lcomb_stat_2	.3785425	.1991616	-1.85	0.065	.1349815	1.061586

/cut1	-5.482461	1.222481	-7.87848	-3.086443
/cut2	-3.284642	.7746937	-4.803013	-1.76627
/cut3	-1.922029	.7021854	-3.298287	-.545771
/cut4	.9906324	.6713817	-.3252516	2.306516

```
. bysort year: sum iex_bnf_c if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_c	62	3.483871	.8822835	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_c	26	4.038462	.8236878	2	5

```
. xi: ologit iex_bnf_c i.year if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Iteration 0: log likelihood = -110.55838

Iteration 1: log likelihood = -106.76321

Iteration 2: log likelihood = -106.70865

Iteration 3: log likelihood = -106.70854

Iteration 4: log likelihood = -106.70854

Ordered logistic regression                      Number of obs =     88

LR chi2(1)     =     7.70

Prob > chi2     =     0.0055

Log likelihood = -106.70854                      Pseudo R2     =     0.0348

iex_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	3.645686	1.755657	2.69	0.007	1.418617 9.369003

/cut1	-3.513509	.7201818			-4.92504 -2.101979
/cut2	-1.908833	.3632185			-2.620728 -1.196937
/cut3	-.252925	.2483294			-.7396417 .2337916
/cut4	2.332325	.3813263			1.584939 3.079711

```
. xi: ologit iex_bnf_c i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

Iteration 0: log likelihood = -110.55838

Iteration 1: log likelihood = -101.3966

Iteration 2: log likelihood = -101.12025

Iteration 3: log likelihood = -101.11941

Iteration 4: log likelihood = -101.11941

Ordered logistic regression                      Number of obs =     88

LR chi2(12)   =   18.88

Prob > chi2   =   0.0915

Log likelihood = -101.11941                      Pseudo R2     =   0.0854

-----+-----						
iex_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.424343	1.736654	2.43	0.015	1.267333	9.252597
_lorg_size_2	1.04788	.6448395	0.08	0.939	.3136918	3.500419
_lorg_size_3	2.761795	2.312136	1.21	0.225	.5352756	14.24969
_lorg_size_4	1.004269	.6826512	0.01	0.995	.2650006	3.805868
_lorg_size_5	.4541299	.3674064	-0.98	0.329	.09301	2.217332
_lcsect1_2	.3218279	.2519222	-1.45	0.148	.069393	1.49256
_lcsect1_3	.886031	.5959562	-0.18	0.857	.2370934	3.311147
_lcsect1_4	.6157093	.446877	-0.67	0.504	.14845	2.553708
_lcsect1_5	.3491141	.2785015	-1.32	0.187	.0731024	1.667259
_lcsect1_6	1.339218	1.163186	0.34	0.737	.2440816	7.347975
_lcsect1_7	.7693457	.6960662	-0.29	0.772	.130616	4.531551

```
_lcomb_stat_2 | .4509777 .226549 -1.59 0.113 .168482 1.207138
```

```
-----+-----  
/cut1 | -4.471834 .9854708 -6.403321 -2.540346  
/cut2 | -2.82371 .7511754 -4.295987 -1.351433  
/cut3 | -.9629229 .6595418 -2.255601 .3297553  
/cut4 | 1.816131 .6951675 .453628 3.178635  
-----
```

```
. bysort year: sum iex_bnf_d if cc_adopt1==3
```

```
-----  
-----  
-> year = 1
```

```
Variable | Obs Mean Std. Dev. Min Max  
-----+-----  
iex_bnf_d | 62 3.564516 .8800329 1 5
```

```
-----  
-----  
-> year = 2
```

```
Variable | Obs Mean Std. Dev. Min Max  
-----+-----  
iex_bnf_d | 26 3.769231 .9080834 2 5
```

```
. xi: ologit iex_bnf_d i.year if cc_adopt1==3, or
```

```
i.year _lyear_1-2 (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -108.06605
```

```
Iteration 1: log likelihood = -107.76707
```

Iteration 2: log likelihood = -107.76674

Iteration 3: log likelihood = -107.76674

Ordered logistic regression                      Number of obs =     88

LR chi2(1)    =     0.60

Prob > chi2   =     0.4391

Log likelihood = -107.76674                      Pseudo R2     =     0.0028

-----+-----						
iex_bnf_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.422915	.6518665	0.77	0.441	.5797302	3.492463
-----+-----						
/cut1	-3.667047	.7246377			-5.087311	-2.246783
/cut2	-1.956578	.3570097			-2.656304	-1.256852
/cut3	-.5152398	.2527823			-1.010684	-.0197955
/cut4	2.157077	.364273			1.443115	2.871039
-----						

. xi: ologit iex\_bnf\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -108.06605

Iteration 1: log likelihood = -102.41834

Iteration 2: log likelihood = -102.29016

Iteration 3: log likelihood = -102.2899

Iteration 4: log likelihood = -102.2899

Ordered logistic regression                      Number of obs =     88

LR chi2(12) =    11.55

Prob > chi2 =    0.4823

Log likelihood = -102.2899

Pseudo R2 =    0.0535

-----

iex\_bnf\_d | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

-----+-----

_lyear_2	1.986664	.9875826	1.38	0.167	.7498714	5.263345
_lorg_size_2	2.196125	1.399896	1.23	0.217	.6296042	7.66031
_lorg_size_3	1.36775	1.222574	0.35	0.726	.2372214	7.886052
_lorg_size_4	1.99577	1.35534	1.02	0.309	.5272954	7.553824
_lorg_size_5	1.372515	1.130788	0.38	0.701	.2730413	6.899307
_lcsect1_2	.2583853	.1976203	-1.77	0.077	.0577092	1.156886
_lcsect1_3	1.74585	1.168962	0.83	0.405	.4699713	6.485486
_lcsect1_4	1.00289	.7081367	0.00	0.997	.2513181	4.002057
_lcsect1_5	1.215589	.9631571	0.25	0.805	.2572455	5.744151
_lcsect1_6	.3312052	.2702116	-1.35	0.176	.0669345	1.63887
_lcsect1_7	.7029361	.6486757	-0.38	0.702	.1151913	4.289555
_lcomb_stat_2	1.985756	.9876625	1.38	0.168	.7491359	5.263699

-----+-----

/cut1	-3.210188	.916454			-5.006405	-1.413972
/cut2	-1.414537	.6697487			-2.72722	-.1018533
/cut3	.1415844	.6263533			-1.086045	1.369214
/cut4	3.048785	.7333738			1.611399	4.486171

-----

. bysort year: sum iex\_bnf\_e if cc\_adopt1==3

-----  
-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_e	62	3.483871	.8635029	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_e	26	3.615385	.9829313	2	5

. xi: ologit iex\_bnf\_e i.year if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -112.73644

Iteration 1: log likelihood = -112.55136

Iteration 2: log likelihood = -112.55128

Iteration 3: log likelihood = -112.55128

Ordered logistic regression                      Number of obs =     88

LR chi2(1)    =    0.37

Prob > chi2   =   0.5428

Log likelihood = -112.55128                      Pseudo R2     =   0.0016

iex_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					

_lyear_2	1.309747	.5820738	0.61	0.544	.5481494	3.129506
-----+-----						
/cut1	-4.39261	1.012419			-6.376915	-2.408304
/cut2	-1.773821	.3312772			-2.423113	-1.12453
/cut3	-.156799	.2443583			-.6357324	.3221344
/cut4	2.134222	.3627176			1.423308	2.845135
-----						

. xi: ologit iex\_bnf\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -112.73644  
Iteration 1: log likelihood = -107.40382  
Iteration 2: log likelihood = -107.31432  
Iteration 3: log likelihood = -107.31419  
Iteration 4: log likelihood = -107.31419

Ordered logistic regression	Number of obs =	88
	LR chi2(12) =	10.84
	Prob > chi2 =	0.5423
Log likelihood = -107.31419	Pseudo R2 =	0.0481

iex_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.451024	.6886961	0.78	0.433	.5723624 3.678564
_lorg_size_2	.5334489	.3180369	-1.05	0.292	.1658116 1.716211
_lorg_size_3	.2992408	.2388673	-1.51	0.131	.062597 1.4305



_lorg_size_4	.6957231	.4597426	-0.55	0.583	.1905249	2.540512
_lorg_size_5	.405356	.3364801	-1.09	0.277	.0796648	2.06256
_lcsect1_2	.5274167	.4048774	-0.83	0.405	.1171438	2.374589
_lcsect1_3	2.09902	1.392542	1.12	0.264	.5718846	7.704149
_lcsect1_4	1.144512	.797669	0.19	0.846	.2919946	4.486072
_lcsect1_5	1.346411	1.010549	0.40	0.692	.3092491	5.862014
_lcsect1_6	.6227221	.5130369	-0.57	0.565	.1238859	3.130161
_lcsect1_7	.303913	.2555462	-1.42	0.157	.0584809	1.579373
_lcomb_stat_2	2.464029	1.206559	1.84	0.066	.9437103	6.433583

/cut1	-4.735468	1.177317	-7.042968	-2.427968
/cut2	-2.085291	.6765153	-3.411237	-.7593454
/cut3	-.3611568	.6288632	-1.593706	.8713924
/cut4	2.148013	.6853722	.8047084	3.491318

```
. bysort year: sum iex_bnf_f if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_f	62	2.66129	.9908359	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

iex\_bnf\_f | 26 2.692308 1.158248 1 5

. xi: ologit iex\_bnf\_f i.year if cc\_adopt1==3, or

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -123.03354

Iteration 1: log likelihood = -123.02648

Iteration 2: log likelihood = -123.02648

Ordered logistic regression Number of obs = 88

LR chi2(1) = 0.01

Prob > chi2 = 0.9054

Log likelihood = -123.02648 Pseudo R2 = 0.0001

-----						
iex_bnf_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.05311	.4586366	0.12	0.905	.4485076	2.472737
-----+-----						
/cut1	-2.158079	.3711692			-2.885558	-1.430601
/cut2	-.0771326	.2431557			-.553709	.3994439
/cut3	1.51891	.3035632			.9239372	2.113883
/cut4	2.630385	.442666			1.762775	3.497994
-----						

. xi: ologit iex\_bnf\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)

i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)

i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -123.03354

Iteration 1: log likelihood = -119.0519

Iteration 2: log likelihood = -119.02089

Iteration 3: log likelihood = -119.02087

Iteration 4: log likelihood = -119.02087

Ordered logistic regression                      Number of obs =     88

LR chi2(12)    =     8.03

Prob > chi2    =     0.7831

Log likelihood = -119.02087                      Pseudo R2     =     0.0326

-----+-----						
iex_bnf_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.024404	.4676171	0.05	0.958	.418714	2.506256
_lorg_size_2	1.411555	.8192873	0.59	0.553	.4525308	4.40299
_lorg_size_3	2.769483	2.171116	1.30	0.194	.5958069	12.87336
_lorg_size_4	1.138514	.7746095	0.19	0.849	.3000592	4.319858
_lorg_size_5	1.347249	1.092843	0.37	0.713	.2747781	6.605624
_lcsect1_2	1.060316	.8170688	0.08	0.939	.2341577	4.801341
_lcsect1_3	.3232294	.2197449	-1.66	0.097	.0852763	1.225162
_lcsect1_4	1.069202	.7878476	0.09	0.928	.2522589	4.531819
_lcsect1_5	.4225736	.3192117	-1.14	0.254	.0961403	1.857373
_lcsect1_6	1.578669	1.279299	0.56	0.573	.322483	7.728148
_lcsect1_7	.3609132	.3057366	-1.20	0.229	.0686014	1.898769
_lcomb_stat_2	.6734917	.3136551	-0.85	0.396	.2703429	1.677836
-----+-----						
/cut1	-2.557771	.7325254			-3.993494	-1.122047
/cut2	-.3827428	.67583			-1.707345	.9418595
/cut3	1.341732	.6733024			.0220838	2.661381

```
/cut4 | 2.502475 .7401861 1.051737 3.953213
```

```
. bysort year: sum iex_bnf_g if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_g	62	3.258065	.9041885	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_g	26	3.884615	.9089301	2	5

```
. xi: ologit iex_bnf_g i.year if cc_adopt1==3, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -117.90295
```

```
Iteration 1: log likelihood = -114.17382
```

```
Iteration 2: log likelihood = -114.14771
```

```
Iteration 3: log likelihood = -114.14769
```

```
Iteration 4: log likelihood = -114.14769
```

Ordered logistic regression

Number of obs = 88

LR chi2(1) = 7.51

Prob > chi2 = 0.0061

Log likelihood = -114.14769

Pseudo R2 = 0.0319

-----+-----						
iex_bnf_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	3.338523	1.498227	2.69	0.007	1.385355	8.045401
-----+-----						
/cut1	-4.231028	1.009095			-6.208816	-2.253239
/cut2	-1.394199	.3071582			-1.996218	-.7921802
/cut3	.4292412	.2519505			-.0645728	.9230551
/cut4	2.286569	.3658878			1.569442	3.003696
-----						

. xi: ologit iex\_bnf\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -117.90295

Iteration 1: log likelihood = -106.58198

Iteration 2: log likelihood = -106.33157

Iteration 3: log likelihood = -106.33113

Iteration 4: log likelihood = -106.33113

Ordered logistic regression                      Number of obs =        88

LR chi2(12) = 23.14

Prob > chi2 = 0.0265

Log likelihood = -106.33113

Pseudo R2 = 0.0981

-----						
iex_bnf_g   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]		
-----+-----						
_lyear_2	2.636675	1.25597	2.04	0.042	1.03655	6.70692
_lorg_size_2	.6033226	.3622202	-0.84	0.400	.1859983	1.956997
_lorg_size_3	.7188253	.5894346	-0.40	0.687	.1440922	3.585965
_lorg_size_4	.7618861	.5037652	-0.41	0.681	.2084821	2.78427
_lorg_size_5	.1389418	.1234046	-2.22	0.026	.0243679	.792225
_lcsect1_2	1.06656	.800236	0.09	0.932	.2450934	4.64129
_lcsect1_3	1.01576	.6804997	0.02	0.981	.2732345	3.776124
_lcsect1_4	1.092357	.7461824	0.13	0.897	.286361	4.166921
_lcsect1_5	.3251566	.2574764	-1.42	0.156	.0688756	1.535039
_lcsect1_6	4.124708	3.517605	1.66	0.097	.7753136	21.94366
_lcsect1_7	.9002283	.8240842	-0.11	0.909	.1496747	5.414482
_lcomb_stat_2	.9181114	.4526877	-0.17	0.862	.3492999	2.413194
-----+-----						
/cut1	-5.155855	1.182277			-7.473075	-2.838635
/cut2	-2.21392	.6734415			-3.533841	-.8939993
/cut3	-.1598493	.6123629			-1.360058	1.04036
/cut4	1.924004	.6646533			.6213078	3.226701

. bysort year: sum iex\_bnf\_h if cc\_adopt1==3

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					

iex_bnf_h	62	2.887097	1.057446	1	5
-----------	----	----------	----------	---	---

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_h	26	3.269231	.9615692	2	5

. xi: ologit iex\_bnf\_h i.year if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -126.33138  
Iteration 1: log likelihood = -125.26291  
Iteration 2: log likelihood = -125.26096  
Iteration 3: log likelihood = -125.26096

Ordered logistic regression	Number of obs =	88
LR chi2(1)	=	2.14
Prob > chi2	=	0.1434
Log likelihood = -125.26096	Pseudo R2	= 0.0085

iex_bnf_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.850386	.7819199	1.46	0.145	.8082937 4.235997
-----+-----					
/cut1	-2.457466	.4352497			-3.31054 -1.604392
/cut2	-.5854269	.2582564			-1.0916 -.0792536

/cut3	1.014584	.2723725		.4807439	1.548424
/cut4	2.664833	.4256842		1.830508	3.499159

-----

. xi: ologit iex\_bnf\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -126.33138  
Iteration 1: log likelihood = -119.13916  
Iteration 2: log likelihood = -119.01442  
Iteration 3: log likelihood = -119.01417  
Iteration 4: log likelihood = -119.01417

Ordered logistic regression	Number of obs =	88
	LR chi2(12) =	14.63
	Prob > chi2 =	0.2620
Log likelihood = -119.01417	Pseudo R2 =	0.0579

-----

iex_bnf_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.799682	.7921842	1.33	0.182	.7594758 4.264594
_lorg_size_2	.6653811	.3824105	-0.71	0.478	.2157071 2.052468
_lorg_size_3	.606705	.4841053	-0.63	0.531	.1269937 2.898497
_lorg_size_4	.2916941	.1979816	-1.82	0.069	.0771244 1.103224
_lorg_size_5	.3265173	.2753001	-1.33	0.184	.0625494 1.704469
_lcsect1_2	.4974395	.3761805	-0.92	0.356	.1129882 2.190017
_lcsect1_3	.4961262	.3194337	-1.09	0.276	.1404563 1.75244



_lcsect1_4	1.9006	1.309426	0.93	0.351	.4925521	7.333804
_lcsect1_5	1.203729	.9109627	0.25	0.806	.2731196	5.305232
_lcsect1_6	.8576168	.6937407	-0.19	0.849	.175688	4.186437
_lcsect1_7	.4946664	.445819	-0.78	0.435	.0845601	2.893739
_lcomb_stat_2	.629951	.3006205	-0.97	0.333	.2472309	1.605132

-----+-----

/cut1	-3.632064	.7435056		-5.089309	-2.17482
/cut2	-1.650012	.644109		-2.912443	-.3875819
/cut3	.1405654	.6091599		-1.053366	1.334497
/cut4	1.946537	.6725607		.6283419	3.264731

-----

. bysort year: sum iex\_bnf\_i if cc\_adopt1==3

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_i	62	3.290323	1.014438	1	5

-----

-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_i	26	3.576923	.9021342	2	5

. xi: ologit iex\_bnf\_i i.year if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -118.50529

Iteration 1: log likelihood = -118.01225

Iteration 2: log likelihood = -118.01177

Iteration 3: log likelihood = -118.01177

Ordered logistic regression                      Number of obs =        88

LR chi2(1)        =        0.99

Prob > chi2        =        0.3205

Log likelihood = -118.01177                      Pseudo R2        =        0.0042

-----						
iex_bnf_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.536172	.6666426	0.99	0.323	.6562201	3.596087
-----+-----						
/cut1	-2.693616	.473793			-3.622233	-1.764999
/cut2	-1.544674	.3140071			-2.160117	-.9292315
/cut3	.1244083	.2475606			-.3608015	.6096181
/cut4	2.440125	.3990859			1.657931	3.222319
-----						

. xi: ologit iex\_bnf\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -118.50529

Iteration 1: log likelihood = -112.30331

Iteration 2: log likelihood = -112.19589

Iteration 3: log likelihood = -112.19573

Iteration 4: log likelihood = -112.19573

Ordered logistic regression                      Number of obs =     88

LR chi2(12)    =    12.62

Prob > chi2    =    0.3973

Log likelihood = -112.19573                      Pseudo R2     =    0.0532

-----

          iex\_bnf\_i | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

-----+-----

_lyear_2	1.464057	.6644048	0.84	0.401	.6015523	3.563218
_lorg_size_2	.7331402	.4325977	-0.53	0.599	.2306354	2.330495
_lorg_size_3	.430604	.3408103	-1.06	0.287	.0912804	2.031322
_lorg_size_4	.9777407	.6618835	-0.03	0.973	.2594186	3.685075
_lorg_size_5	.8668702	.7082901	-0.17	0.861	.1747698	4.299737
_lcsect1_2	1.380805	1.020314	0.44	0.662	.324457	5.876352
_lcsect1_3	1.600456	1.047632	0.72	0.472	.4436716	5.773324
_lcsect1_4	.8443576	.6079171	-0.23	0.814	.2059121	3.46235
_lcsect1_5	.3484125	.2561621	-1.43	0.152	.0824646	1.472041
_lcsect1_6	2.936171	2.520581	1.25	0.210	.5458334	15.79438
_lcsect1_7	.5716743	.4934867	-0.65	0.517	.1052848	3.104072
_lcomb_stat_2	1.150536	.5701341	0.28	0.777	.4356097	3.038804

-----+-----

/cut1	-3.107451	.7526875			-4.582691	-1.63221
/cut2	-1.906286	.6551408			-3.190338	-.6222334
/cut3	-.043878	.5971224			-1.214216	1.126461
/cut4	2.457766	.6846981			1.115782	3.799749

-----

```
. bysort year: sum iex_bnf_j if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_j	62	2.887097	1.08801	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_j	26	2.846154	1.120439	1	5

```
. xi: ologit iex_bnf_j i.year if cc_adopt1==3, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -129.51157
```

```
Iteration 1: log likelihood = -129.45846
```

```
Iteration 2: log likelihood = -129.45845
```

```
Ordered logistic regression      Number of obs =      88
```

```
LR chi2(1) =      0.11
```

```
Prob > chi2 =      0.7445
```

```
Log likelihood = -129.45845      Pseudo R2 =      0.0004
```

iex_bnf_j   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2	.871559	.3675818	-0.33	0.744	.3813298 1.992016
-----+-----					
/cut1	-2.09847	.3632379		-2.810403	-1.386537
/cut2	-.5520865	.2544178		-1.050736	-.0534368
/cut3	.7776098	.2578362		.27226	1.28296
/cut4	2.771556	.4744672		1.841617	3.701494
-----					

. xi: ologit iex\_bnf\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -129.51157  
Iteration 1: log likelihood = -123.50763  
Iteration 2: log likelihood = -123.40074  
Iteration 3: log likelihood = -123.40065  
Iteration 4: log likelihood = -123.40065

Ordered logistic regression                      Number of obs =       88  
   LR chi2(12)    =    12.22  
   Prob > chi2    =    0.4280  
Log likelihood = -123.40065                      Pseudo R2       =    0.0472

iex_bnf_j   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2	.8789848	.3828826	-0.30	0.767	.3742838 2.064247

_lorg_size_2	.9499369	.5458179	-0.09	0.929	.308041	2.929415
_lorg_size_3	1.445789	1.101511	0.48	0.628	.3247848	6.435973
_lorg_size_4	.2872589	.1841486	-1.95	0.052	.0817725	1.009114
_lorg_size_5	1.174758	.9442233	0.20	0.841	.243101	5.676884
_lcsect1_2	.3973381	.3101457	-1.18	0.237	.0860493	1.834733
_lcsect1_3	.2596748	.166216	-2.11	0.035	.0740597	.9104954
_lcsect1_4	.8678434	.6242055	-0.20	0.844	.2119365	3.553669
_lcsect1_5	.4812277	.3516813	-1.00	0.317	.1148926	2.015621
_lcsect1_6	1.963401	1.545173	0.86	0.391	.4198786	9.181091
_lcsect1_7	.4427072	.3820067	-0.94	0.345	.0815878	2.402194
_lcomb_stat_2	.7682744	.354695	-0.57	0.568	.3108392	1.898878

/cut1	-3.164116	.6910186	-4.518487	-1.809744
/cut2	-1.535977	.6167539	-2.744792	-.3271613
/cut3	-.0423485	.5901267	-1.198976	1.114279
/cut4	2.125782	.6992746	.7552292	3.496335

```
. bysort year: sum iex_bnf_k if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_k	62	3.258065	1.007114	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_k	26	3.576923	1.101747	1	5

. xi: ologit iex\_bnf\_k i.year if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -125.54191

Iteration 1: log likelihood = -124.63756

Iteration 2: log likelihood = -124.63612

Iteration 3: log likelihood = -124.63612

Ordered logistic regression                      Number of obs =       88

LR chi2(1)       =       1.81

Prob > chi2       =       0.1783

Log likelihood = -124.63612                      Pseudo R2       =       0.0072

-----						
iex_bnf_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.788341	.7758131	1.34	0.180	.7641602	4.1852
-----+-----						
/cut1	-2.903883	.5213108			-3.925634	-1.882133
/cut2	-1.283412	.2897814			-1.851374	-.7154513
/cut3	.3448882	.2474531			-.140111	.8298874
/cut4	2.034344	.3456465			1.356889	2.711799
-----						

. xi: ologit iex\_bnf\_k i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

```
Iteration 0: log likelihood = -125.54191
Iteration 1: log likelihood = -115.39313
Iteration 2: log likelihood = -115.08325
Iteration 3: log likelihood = -115.08207
Iteration 4: log likelihood = -115.08207
```

Ordered logistic regression	Number of obs	=	88
	LR chi2(12)	=	20.92
	Prob > chi2	=	0.0516
Log likelihood = -115.08207	Pseudo R2	=	0.0833

lex_bnf_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	2.27859	1.086657	1.73	0.084	.8948065	5.802341
_lorg_size_2	2.507535	1.453253	1.59	0.113	.8052475	7.808444
_lorg_size_3	13.19033	10.83073	3.14	0.002	2.638302	65.94573
_lorg_size_4	6.651224	4.569631	2.76	0.006	1.730196	25.56865
_lorg_size_5	5.210944	4.355542	1.97	0.048	1.012614	26.81569
_lcsect1_2	.9127111	.6701204	-0.12	0.901	.2164581	3.848513
_lcsect1_3	.311002	.2129592	-1.71	0.088	.0812646	1.190214
_lcsect1_4	.4385386	.3135719	-1.15	0.249	.1079857	1.780941
_lcsect1_5	.1284007	.1023012	-2.58	0.010	.0269393	.6119961
_lcsect1_6	.2321219	.192277	-1.76	0.078	.045775	1.177076
_lcsect1_7	.5609564	.489628	-0.66	0.508	.1013823	3.103817
_lcomb_stat_2	.3065003	.1511123	-2.40	0.016	.1166185	.805554



/cut1	-3.422215	.8006849		-4.991528	-1.852901
/cut2	-1.622555	.6628827		-2.921781	-.3233288
/cut3	.3152547	.6281445		-.9158859	1.546395
/cut4	2.205456	.6662596		.8996107	3.5113

```
. bysort year: sum iex_bnf_l if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_l	62	3.467742	1.23763	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_l	26	3.807692	1.16685	1	5

```
. xi: ologit iex_bnf_l i.year if cc_adopt1==3, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -132.53776
```

```
Iteration 1: log likelihood = -131.80656
```

```
Iteration 2: log likelihood = -131.80594
```

```
Iteration 3: log likelihood = -131.80594
```

Ordered logistic regression                      Number of obs =       88

LR chi2(1)    =    1.46

Prob > chi2   =   0.2264

Log likelihood = -131.80594

Pseudo R2    =   0.0055

-----						
iex_bnf_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.663112	.7024795	1.20	0.228	.7267477	3.805917
-----+-----						
/cut1	-2.485352	.4352865			-3.338498	-1.632206
/cut2	-1.222488	.2860415			-1.783119	-.6618573
/cut3	-.1284728	.2469054			-.6123984	.3554529
/cut4	1.143066	.2771517			.5998591	1.686274
-----						

. xi: ologit iex\_bnf\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==3, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -132.53776

Iteration 1: log likelihood = -126.41176

Iteration 2: log likelihood = -126.35643

Iteration 3: log likelihood = -126.35637

Iteration 4: log likelihood = -126.35637

Ordered logistic regression                      Number of obs =       88

LR chi2(12)   =   12.36

Prob > chi2 = 0.4170

Log likelihood = -126.35637

Pseudo R2 = 0.0466

iex_bnf_l   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2	1.893604	.8495426	1.42	0.155	.7859737 4.56216
_lorg_size_2	.8668035	.4964287	-0.25	0.803	.2821158 2.663262
_lorg_size_3	2.540295	2.149035	1.10	0.270	.4839339 13.33467
_lorg_size_4	.8095581	.5345102	-0.32	0.749	.2219437 2.952931
_lorg_size_5	1.381095	1.179067	0.38	0.705	.2591411 7.360555
_lcsect1_2	.531213	.3856077	-0.87	0.384	.1280505 2.203718
_lcsect1_3	.7231989	.4737637	-0.49	0.621	.2002813 2.611411
_lcsect1_4	.3701605	.256317	-1.44	0.151	.0952746 1.438147
_lcsect1_5	.204145	.1510405	-2.15	0.032	.0478808 .8703949
_lcsect1_6	.73005	.6101115	-0.38	0.707	.1419036 3.755882
_lcsect1_7	.2638808	.2074913	-1.69	0.090	.056507 1.232291
_lcomb_stat_2	.4375505	.2159628	-1.67	0.094	.1663025 1.151218
-----+-----					
/cut1	-3.577856	.7303219			-5.00926 -2.146451
/cut2	-2.282109	.6471645			-3.550528 -1.01369
/cut3	-1.088721	.6095894			-2.283494 .1060523
/cut4	.3233001	.5971759			-.8471431 1.493743

. bysort year: sum iex\_bnf\_m if cc\_adopt1==3

-----  
-----  
-> year = 1

-----+

---

---

---

---

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Iteration 1: log likelihood = -118.96129

Ordered logistic regression      Number of obs =      88

Prob > chi2 = 0.7692

-----

---

-----+

```
/cut1 | -2.136506 .3716855          -2.864996 -1.408016
```

/cut2	-0.4289395	.2469802		-0.9130117	.0551327
/cut3	1.394455	.2925679		.8210322	1.967877
/cut4	3.801793	.7290743		2.372833	5.230752

```

. xi: ologit iex_bnf_m i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

```

```

Iteration 0: log likelihood = -119.00433
Iteration 1: log likelihood = -113.0344
Iteration 2: log likelihood = -112.94957
Iteration 3: log likelihood = -112.94944
Iteration 4: log likelihood = -112.94944

```

```

Ordered logistic regression      Number of obs =      88

                                LR chi2(12)  =    12.11
                                Prob > chi2   =    0.4369

Log likelihood = -112.94944      Pseudo R2   =    0.0509

```

iex_bnf_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.176402	.5343194	0.36	0.721	.4829939 2.865298
_lorg_size_2	1.091038	.6484736	0.15	0.883	.3403424 3.497546
_lorg_size_3	2.513919	2.072593	1.12	0.264	.4995518 12.65092
_lorg_size_4	.7924212	.5249695	-0.35	0.725	.2162944 2.903133
_lorg_size_5	1.113737	.9561563	0.13	0.900	.2070217 5.991688
_lcsect1_2	.9729884	.7423833	-0.04	0.971	.2180956 4.340787

_lcsect1_3	2.401709	1.656551	1.27	0.204	.6214609	9.281686
_lcsect1_4	.9101835	.6440048	-0.13	0.894	.2274349	3.642511
_lcsect1_5	.6620116	.5114158	-0.53	0.593	.1456455	3.009082
_lcsect1_6	2.505144	2.019727	1.14	0.255	.5159018	12.16462
_lcsect1_7	.3408159	.2838278	-1.29	0.196	.0666267	1.743377
_lcomb_stat_2	.5311573	.2527199	-1.33	0.184	.2090398	1.349638

/cut1	-2.352502	.7220977		-3.767788	-.937217
/cut2	-.5337013	.6695736		-1.846041	.7786388
/cut3	1.508485	.6833		.1692415	2.847728
/cut4	4.037165	.9528833		2.169548	5.904782

```
. bysort year: sum iex_bnf_p if cc_adopt1==3
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_p	1	5	.	5	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_p	0				

```
. xi: ologit iex_bnf_p i.year if cc_adopt1==3, or  
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)  
insufficient observations  
r(2001);
```

end of do-file

```
r(2001);
```

```
. do "C:\Users\Ahmad\Temp\STD02000000.tmp"
```

```
. xi: ologit iex_bnf_p i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==3, or  
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)  
i.org_size   _lorg_size_1-5  (naturally coded; _lorg_size_1 omitted)  
i.csect1     _lcsect1_1-7    (naturally coded; _lcsect1_1 omitted)  
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)  
insufficient observations  
r(2001);
```

end of do-file

```
r(2001);
```

```
. do "C:\Users\Ahmad\Temp\STD02000000.tmp"
```

```
. bysort year: sum iex_bnf_a if cc_adopt1==5
```

```
-----  
-----
```

```
-> year = 1
```





/cut1	-3.67823	.418242		-4.49797	-2.858491
/cut2	-1.533979	.1782598		-1.883362	-1.184596
/cut3	.287269	.1453917		.0023065	.5722315
/cut4	1.755246	.1854019		1.391865	2.118627

. xi: ologit iex\_bnf\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
 i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
 i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
 i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
 i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -383.54945  
 Iteration 1: log likelihood = -369.14629  
 Iteration 2: log likelihood = -369.02098  
 Iteration 3: log likelihood = -369.02088  
 Iteration 4: log likelihood = -369.02088

Ordered logistic regression                      Number of obs =    277  
    LR chi2(12)    =    29.06  
    Prob > chi2    =    0.0039  
 Log likelihood = -369.02088                      Pseudo R2       =    0.0379

iex_bnf_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.425293	.3389026	1.49	0.136	.8943504 2.271437
_lorg_size_2	.9616951	.3281771	-0.11	0.909	.4926813 1.877192
_lorg_size_3	1.07876	.4559935	0.18	0.858	.4711083 2.470183
_lorg_size_4	1.570459	.5854009	1.21	0.226	.7563701 3.260758
_lorg_size_5	2.335543	1.177445	1.68	0.092	.869484 6.27356

_lcsect1_2	.6590292	.268865	-1.02	0.307	.2962367	1.466123
_lcsect1_3	.4086234	.1744367	-2.10	0.036	.1769925	.9433905
_lcsect1_4	.3882058	.156962	-2.34	0.019	.1757512	.8574831
_lcsect1_5	.2011131	.0926753	-3.48	0.001	.0815073	.4962314
_lcsect1_6	.788586	.36365	-0.52	0.607	.3193923	1.947035
_lcsect1_7	.3456167	.1529835	-2.40	0.016	.1451509	.8229431
_lcomb_stat_2	.7575114	.2020571	-1.04	0.298	.4490982	1.277724

/cut1	-4.556385	.6135078		-5.758838	-3.353932
/cut2	-2.376907	.4774489		-3.312689	-1.441124
/cut3	-.4339082	.4541659		-1.324057	.4562405
/cut4	1.137519	.4599063		.2361188	2.038918

```
. bysort year: sum iex_bnf_b if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_b	180	3.55	.9470625	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_b	97	3.71134	.8655293	1	5

```
. xi: ologit iex_bnf_b i.year if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Iteration 0: log likelihood = -363.8198

Iteration 1: log likelihood = -362.95163

Iteration 2: log likelihood = -362.9512

Iteration 3: log likelihood = -362.9512

Ordered logistic regression                      Number of obs =     277

LR chi2(1)     =     1.74

Prob > chi2     =     0.1875

Log likelihood = -362.9512                      Pseudo R2     =     0.0024

-----						
iex_bnf_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.353647	.3114866	1.32	0.188	.862256	2.125078
-----+-----						
/cut1	-4.12681	.508594			-5.123636	-3.129984
/cut2	-1.971018	.2044857			-2.371803	-1.570234
/cut3	-.1753215	.146402			-.4622642	.1116212
/cut4	1.755141	.1861825			1.39023	2.120052
-----						

```
. xi: ologit iex_bnf_b i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat   _lcomb_stat_1-2   (naturally coded; _lcomb_stat_1 omitted)
```

```

/cut4 | 1.393924 .4651586                .4822297  2.305618

```

```
. bysort year: sum iex_bnf_c if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_c	180	3.494444	.9716496	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_c	97	3.597938	.9316181	1	5

```
. xi: ologit iex_bnf_c i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -366.17003
```

```
Iteration 1: log likelihood = -365.96235
```

```
Iteration 2: log likelihood = -365.96233
```

```
Ordered logistic regression      Number of obs =    277
```

```
LR chi2(1)    =    0.42
```

```
Prob > chi2    =    0.5192
```

```
Log likelihood = -365.96233      Pseudo R2    =    0.0006
```

	iex_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
	_lyear_2	1.160478	.2679665	0.64	0.519	.7380493	1.824686
	/cut1	-3.602093	.3904641			-4.367389	-2.836798
	/cut2	-2.133982	.2141488			-2.553706	-1.714258
	/cut3	.1460236	.1451089			-.1383846	.4304319
	/cut4	1.565932	.1770837			1.218854	1.91301

. xi: ologit iex\_bnf\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -366.17003

Iteration 1: log likelihood = -355.92554

Iteration 2: log likelihood = -355.85797

Iteration 3: log likelihood = -355.85793

Iteration 4: log likelihood = -355.85793

Ordered logistic regression                      Number of obs =     277

LR chi2(12)    =    20.62

Prob > chi2    =    0.0562

Log likelihood = -355.85793                      Pseudo R2        =    0.0282

	iex_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	

_lyear_2	1.117745	.2658625	0.47	0.640	.7012606	1.781584
_lorg_size_2	1.286362	.4728251	0.69	0.493	.6258772	2.643854
_lorg_size_3	1.357174	.6092486	0.68	0.496	.5630186	3.271509
_lorg_size_4	1.692395	.6808893	1.31	0.191	.7692084	3.723571
_lorg_size_5	.6221101	.3112054	-0.95	0.343	.2333785	1.65834
_lcsect1_2	.6763625	.279732	-0.95	0.344	.3007025	1.521325
_lcsect1_3	.4367863	.1863975	-1.94	0.052	.1892434	1.008132
_lcsect1_4	.7811499	.3063027	-0.63	0.529	.3622123	1.684634
_lcsect1_5	.3916262	.1777885	-2.06	0.039	.1608598	.9534457
_lcsect1_6	1.257662	.5755988	0.50	0.616	.5128516	3.084157
_lcsect1_7	.2601959	.1140056	-3.07	0.002	.1102412	.614125
_lcomb_stat_2	.8184536	.2257041	-0.73	0.468	.4767152	1.405171

/cut1	-4.125809	.5949767	-5.291941	-2.959676
/cut2	-2.64008	.4987074	-3.617529	-1.662632
/cut3	-.251042	.4666312	-1.165622	.6635383
/cut4	1.244102	.4719289	.3191383	2.169066

```
. bysort year: sum iex_bnf_d if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_d	180	3.572222	.9861077	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_d	97	3.721649	.943644	1	5

```
. xi: ologit iex_bnf_d i.year if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -374.66229
Iteration 1: log likelihood = -373.978
Iteration 2: log likelihood = -373.97772
Iteration 3: log likelihood = -373.97772
```

```
Ordered logistic regression          Number of obs =    277
                                LR chi2(1)   =    1.37
                                Prob > chi2   =    0.2420
Log likelihood = -373.97772          Pseudo R2    =    0.0018
```

iex_bnf_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	1.308511	.301137	1.17	0.243	.8334593 2.054332
-----+-----					
/cut1	-3.724092	.4189072			-4.545135 -2.903049
/cut2	-1.811822	.1936698			-2.191408 -1.432236
/cut3	-.293357	.1462338			-.5799701 -.006744
/cut4	1.612455	.1790096			1.261602 1.963307

```
. xi: ologit iex_bnf_d i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
```



i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -374.66229

Iteration 1: log likelihood = -363.05999

Iteration 2: log likelihood = -362.95647

Iteration 3: log likelihood = -362.95643

Iteration 4: log likelihood = -362.95643

Ordered logistic regression                      Number of obs =     277

LR chi2(12)    =    23.41

Prob > chi2    =    0.0244

Log likelihood = -362.95643                      Pseudo R2       =    0.0312

iex_bnf_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.40272	.3348657	1.42	0.156	.8785511	2.239623
_lorg_size_2	.8119259	.286056	-0.59	0.554	.4070266	1.619608
_lorg_size_3	.8604118	.3627922	-0.36	0.721	.3765283	1.966143
_lorg_size_4	1.222964	.473513	0.52	0.603	.5725872	2.612077
_lorg_size_5	1.91914	.9248789	1.35	0.176	.7462639	4.935382
_lcsect1_2	1.505466	.6372771	0.97	0.334	.6566743	3.451375
_lcsect1_3	1.334263	.5682703	0.68	0.498	.5790414	3.07449
_lcsect1_4	.9191507	.3671801	-0.21	0.833	.4200981	2.011049
_lcsect1_5	1.246078	.5606295	0.49	0.625	.5159131	3.009635
_lcsect1_6	1.59247	.72058	1.03	0.304	.6560085	3.865745
_lcsect1_7	.4157421	.1823994	-2.00	0.045	.1759441	.9823661
_lcomb_stat_2	1.418525	.3783817	1.31	0.190	.840978	2.392704

```
-----+-----
      /cut1 | -3.587745 .6066231          -4.776704 -2.398785
      /cut2 | -1.651258 .4770131          -2.586186 -.7163292
      /cut3 | -.0429527 .4602465          -.9450193 .8591139
      /cut4 | 1.966737 .4791619           1.027597 2.905877
-----
```

```
. bysort year: sum iex_bnf_e if cc_adopt1==5
```

```
-----+-----
-> year = 1
```

```
Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
iex_bnf_e |   180  3.422222  1.002542     1     5
```

```
-----+-----
-> year = 2
```

```
Variable |   Obs   Mean  Std. Dev.   Min   Max
-----+-----
iex_bnf_e |    97  3.329897  .8981654     1     5
```

```
. xi: ologit iex_bnf_e i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -378.88473
```

```
Iteration 1:  log likelihood = -378.60252
```

```
Iteration 2:  log likelihood = -378.60248
```

Iteration 3: log likelihood = -378.60248

Ordered logistic regression                      Number of obs =     277

LR chi2(1)     =     0.56

Prob > chi2     =     0.4524

Log likelihood = -378.60248                      Pseudo R2     =     0.0007

-----+-----						
iex_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8435012	.191143	-0.75	0.453	.5410006	1.315145
-----+-----						
/cut1	-3.873372	.4215442			-4.699583	-3.04716
/cut2	-1.601354	.1795651			-1.953295	-1.249413
/cut3	.089005	.1467437			-.1986074	.3766173
/cut4	1.874312	.1968387			1.488515	2.260108
-----						

. xi: ologit iex\_bnf\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -378.88473

Iteration 1: log likelihood = -371.16843

Iteration 2: log likelihood = -371.13328

Iteration 3: log likelihood = -371.13327

Ordered logistic regression                      Number of obs =     277

LR chi2(12)     =     15.50

Prob > chi2 = 0.2151

Log likelihood = -371.13327

Pseudo R2 = 0.0205

iex_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8281557	.1940532	-0.80	0.421	.5231891	1.310887
_lorg_size_2	1.275762	.447043	0.70	0.487	.6419454	2.53537
_lorg_size_3	1.229131	.5141575	0.49	0.622	.5414178	2.790385
_lorg_size_4	1.488601	.5686265	1.04	0.298	.7040931	3.147215
_lorg_size_5	1.281694	.6028003	0.53	0.598	.5098606	3.22194
_lcsect1_2	1.475755	.6091938	0.94	0.346	.657108	3.314297
_lcsect1_3	.4907433	.2040802	-1.71	0.087	.2172072	1.108752
_lcsect1_4	.8344527	.32967	-0.46	0.647	.3846934	1.810042
_lcsect1_5	.9379051	.4198841	-0.14	0.886	.3900232	2.25542
_lcsect1_6	1.506921	.6892737	0.90	0.370	.6148178	3.693471
_lcsect1_7	.5064285	.2213512	-1.56	0.120	.2150169	1.192789
_lcomb_stat_2	1.065385	.285658	0.24	0.813	.6299072	1.801923
-----+-----						
/cut1	-3.838419	.5951324			-5.004857	-2.671981
/cut2	-1.538423	.4545786			-2.429381	-.647465
/cut3	.2130956	.4449552			-.6590005	1.085192
/cut4	2.057447	.4681426			1.139904	2.974989

-----

-----

. bysort year: sum iex\_bnf\_f if cc\_adopt1==5

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_f	180	2.483333	1.010973	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_f	97	2.680412	1.036283	1	5

. xi: ologit iex\_bnf\_f i.year if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -385.76017

Iteration 1: log likelihood = -384.35964

Iteration 2: log likelihood = -384.35848

Iteration 3: log likelihood = -384.35848

Ordered logistic regression                      Number of obs =    277

LR chi2(1)    =    2.80

Prob > chi2    =    0.0941

Log likelihood = -384.35848                      Pseudo R2    =    0.0036

iex_bnf_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----------	------------	-----------	---	------	----------------------

_lyear_2	1.471846	.3401839	1.67	0.094	.9356781 2.315253
----------	----------	----------	------	-------	-------------------

/cut1	-1.77979	.1920367	-2.156175	-1.403405
/cut2	.2702024	.1449316	-.0138583	.5542632
/cut3	1.761364	.185833	1.397138	2.12559
/cut4	3.087405	.2909112	2.517229	3.65758

```
. xi: ologit iex_bnf_f i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)
```

```
Iteration 0: log likelihood = -385.76017
Iteration 1: log likelihood = -370.46136
Iteration 2: log likelihood = -370.28838
Iteration 3: log likelihood = -370.28821
Iteration 4: log likelihood = -370.28821
```

```
Ordered logistic regression      Number of obs =   277
                                LR chi2(12)  =   30.94
                                Prob > chi2   =   0.0020
Log likelihood = -370.28821      Pseudo R2    =   0.0401
```

iex_bnf_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.511972	.3650432	1.71	0.087	.9419625 2.42691
_lorg_size_2	.8642709	.3215092	-0.39	0.695	.4168717 1.791832
_lorg_size_3	.4551059	.2042865	-1.75	0.079	.1888112 1.096976
_lorg_size_4	.7092054	.2863455	-0.85	0.395	.3214362 1.564765
_lorg_size_5	.520401	.2548754	-1.33	0.182	.1992726 1.359029

_lcsect1_2	1.236276	.5139845	0.51	0.610	.5473012	2.792572
_lcsect1_3	.9957421	.4154913	-0.01	0.992	.439509	2.255932
_lcsect1_4	.5362788	.2161726	-1.55	0.122	.2433737	1.181701
_lcsect1_5	.3078576	.1421298	-2.55	0.011	.1245583	.7608995
_lcsect1_6	2.252041	1.000332	1.83	0.068	.9429356	5.378617
_lcsect1_7	.6262723	.2750564	-1.07	0.287	.2648005	1.481179
_lcomb_stat_2	1.028053	.274956	0.10	0.918	.6086376	1.736489

/cut1	-2.409724	.4983227		-3.386418	-1.433029
/cut2	-.2059742	.467646		-1.122544	.7105952
/cut3	1.384	.4798301		.4435499	2.324449
/cut4	2.746143	.5306093		1.706168	3.786118

. bysort year: sum iex\_bnf\_g if cc\_adopt1==5

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_g	180	3.377778	.9868156	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_g	97	3.350515	.9018642	1	5

. xi: ologit iex\_bnf\_g i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -373.84221

Iteration 1: log likelihood = -373.80038

Iteration 2: log likelihood = -373.80038

Ordered logistic regression                      Number of obs =     277

LR chi2(1)     =     0.08

Prob > chi2     =     0.7724

Log likelihood = -373.80038                      Pseudo R2     =     0.0001

-----					
iex_bnf_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					
_lyear_2	.9359279	.214287	-0.29	0.772	.5975222 1.465989
-----+-----					
/cut1	-3.308479	.3326224			-3.960407 -2.656551
/cut2	-1.746123	.1875201			-2.113656 -1.378591
/cut3	.2153053	.1468817			-.0725775 .5031882
/cut4	2.01224	.2042704			1.611877 2.412602
-----					

. xi: ologit iex\_bnf\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -373.84221



Iteration 3: log likelihood = -368.6029

Prob > chi2 = 0.5740

ix_bnf_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

_lyear_2	.9168068	.2168256	-0.37	0.713	.5767238	1.45743
_lorg_size_2	.9239276	.3219011	-0.23	0.820	.46674	1.828946
_lorg_size_3	.6182722	.2694226	-1.10	0.270	.2631808	1.452463
_lorg_size_4	.7279402	.2798432	-0.83	0.409	.3426629	1.546409
_lorg_size_5	.605625	.2859863	-1.06	0.288	.2400226	1.528113
_lcsect1_2	.9920082	.409174	-0.02	0.984	.4419976	2.226438
_lcsect1_3	.7482961	.3077727	-0.70	0.481	.3341766	1.675602
_lcsect1_4	.7431272	.295888	-0.75	0.456	.3405207	1.621746
_lcsect1_5	.5969497	.2680656	-1.15	0.251	.24757	1.439386
_lcsect1_6	1.276864	.5709557	0.55	0.585	.5315276	3.067351
_lcsect1_7	.4124976	.1763921	-2.07	0.038	.1784148	.9537004
_lcomb_stat_2	1.074974	.2805189	0.28	0.782	.6445745	1.792761

/cut1	-3.806561	.5515226	-4.887526	-2.725597
/cut2	-2.231895	.4736246	-3.160182	-1.303608
/cut3	-.2219813	.4491532	-1.102305	.6583429
/cut4	1.615124	.469072	.6957599	2.534488

```
. bysort year: sum iex_bnf_h if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_h	180	2.805556	1.036201	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_h	97	2.865979	.9642448	1	5

```
. xi: ologit iex_bnf_h i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -391.1265
```

```
Iteration 1: log likelihood = -391.05855
```

```
Iteration 2: log likelihood = -391.05854
```

```
Ordered logistic regression      Number of obs =    277
```

```
LR chi2(1)    =    0.14
```

```
Prob > chi2   =    0.7124
```

```
Log likelihood = -391.05854      Pseudo R2    =    0.0002
```

iex_bnf_h   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	1.087264	.2467631	0.37	0.712 .6968642 1.696375
-----+-----				
/cut1	-2.325716	.2279562		-2.772502 -1.87893
/cut2	-.4480911	.1480954		-.7383528 -.1578294
/cut3	1.172471	.1625347		.8539089 1.491033
/cut4	2.890476	.2780622		2.345484 3.435468
-----				

. xi: ologit iex\_bnf\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -391.1265

Iteration 1: log likelihood = -383.9547

Iteration 2: log likelihood = -383.92154

Iteration 3: log likelihood = -383.92153

Ordered logistic regression                      Number of obs =    277

LR chi2(12)    =    14.41

Prob > chi2    =    0.2753

Log likelihood = -383.92153                      Pseudo R2       =    0.0184

iex_bnf_h   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2	1.021195	.2387134	0.09	0.929 .6458516 1.614673
_lorg_size_2	.8070206	.2828265	-0.61	0.541 .4060454 1.603964

_lorg_size_3	.6100257	.265685	-1.13	0.256	.2597907	1.432428
_lorg_size_4	.8430494	.3230061	-0.45	0.656	.3978537	1.786416
_lorg_size_5	.4935426	.2407162	-1.45	0.148	.1897435	1.283755
_lcsect1_2	.5841655	.2369172	-1.33	0.185	.2638263	1.293462
_lcsect1_3	.3763984	.1617108	-2.27	0.023	.162162	.8736684
_lcsect1_4	.4699489	.1816621	-1.95	0.051	.2202991	1.00251
_lcsect1_5	.3343882	.1528516	-2.40	0.017	.1365085	.81911
_lcsect1_6	1.02952	.4708346	0.06	0.949	.4200989	2.523006
_lcsect1_7	.3837764	.1650503	-2.23	0.026	.1651973	.8915661
_lcomb_stat_2	.6721843	.1815028	-1.47	0.141	.3959564	1.141115

-----+-----					
/cut1	-3.495351	.5000728		-4.475476	-2.515226
/cut2	-1.567089	.4575984		-2.463965	-.6702127
/cut3	.1116217	.445794		-.7621185	.985362
/cut4	1.864411	.4927406		.8986572	2.830165

```
. bysort year: sum iex_bnf_i if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_i	180	3.638889	1.061062	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
----------	-----	------	-----------	-----	-----

```
-----+-----
iex_bnf_i |    97  3.608247  1.036387    1    5
```

```
. xi: ologit iex_bnf_i i.year if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Iteration 0: log likelihood = -390.07148

Iteration 1: log likelihood = -390.0047

Iteration 2: log likelihood = -390.0047

```
Ordered logistic regression          Number of obs =    277
                                LR chi2(1)   =    0.13
                                Prob > chi2   =    0.7148
Log likelihood = -390.0047          Pseudo R2   =    0.0002
```

```
-----+-----
iex_bnf_i | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 |   .920221   .2093312   -0.37  0.715   .5891982   1.437219
-----+-----

/cut1 | -3.215462   .3185559           -3.83982  -2.591103
/cut2 | -1.838992   .1918913           -2.215092  -1.462892
/cut3 | -.4172716   .1472783           -.7059319  -.1286114
/cut4 |  1.278374   .1660835            .9528564   1.603892
-----+-----
```

```
. xi: ologit iex_bnf_i i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
```

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -390.07148

Iteration 1: log likelihood = -382.21138

Iteration 2: log likelihood = -382.17344

Iteration 3: log likelihood = -382.17343

Ordered logistic regression                      Number of obs =    277

LR chi2(12)    =    15.80

Prob > chi2    =    0.2008

Log likelihood = -382.17343                      Pseudo R2       =    0.0202

-----+-----						
iex_bnf_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9474491	.22293	-0.23	0.819	.5974099	1.502586
_lorg_size_2	1.609776	.5595852	1.37	0.171	.814467	3.181687
_lorg_size_3	2.080518	.882173	1.73	0.084	.9062505	4.776333
_lorg_size_4	2.833944	1.10314	2.68	0.007	1.321457	6.077566
_lorg_size_5	2.527877	1.213903	1.93	0.053	.9862879	6.479005
_lcsect1_2	1.181641	.486339	0.41	0.685	.5274105	2.647418
_lcsect1_3	1.083275	.446655	0.19	0.846	.4828053	2.430555
_lcsect1_4	.9304618	.3655849	-0.18	0.854	.43078	2.009748
_lcsect1_5	.9677668	.4259151	-0.07	0.941	.4084662	2.292901
_lcsect1_6	1.463044	.6798298	0.82	0.413	.5884793	3.637337
_lcsect1_7	.5714619	.2413437	-1.32	0.185	.249748	1.307593
_lcomb_stat_2	.9264575	.2489788	-0.28	0.776	.5471056	1.568844
-----+-----						
/cut1	-2.700542	.52562			-3.730738	-1.670345
/cut2	-1.317444	.4577926			-2.214701	-.4201871
/cut3	.1512639	.4466948			-.7242418	1.02677

```
/cut4 | 1.923348 .4640451 1.013836 2.832859
```

```
. bysort year: sum iex_bnf_j if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_j	180	2.783333	1.206477	1	5

```
-> year = 2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
iex_bnf_j	97	2.865979	1.123878	1	5

```
. xi: ologit iex_bnf_j i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0: log likelihood = -422.85173
```

```
Iteration 1: log likelihood = -422.70188
```

```
Iteration 2: log likelihood = -422.70188
```

```
Ordered logistic regression      Number of obs = 277
```

```
LR chi2(1) = 0.30
```

```
Prob > chi2 = 0.5841
```

Log likelihood = -422.70188                      Pseudo R2     =    0.0004

-----+-----						
iex_bnf_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.129858	.2520108	0.55	0.584	.7297368	1.749368
-----+-----						
/cut1	-1.795637	.1913538			-2.170684	-1.420591
/cut2	-.1948493	.1458312			-.4806731	.0909746
/cut3	.8764298	.1542621			.5740816	1.178778
/cut4	2.400004	.2290142			1.951144	2.848864
-----						

. xi: ologit iex\_bnf\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -422.85173  
Iteration 1: log likelihood = -406.24246  
Iteration 2: log likelihood = -406.06354  
Iteration 3: log likelihood = -406.0634  
Iteration 4: log likelihood = -406.0634

Ordered logistic regression                      Number of obs   =    277  
  
   LR chi2(12)     =    33.58  
   Prob > chi2     =    0.0008  
  
Log likelihood = -406.0634                      Pseudo R2     =    0.0397

-----



iex_bnf_j   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----				
_lyear_2   .9336544	.2159466	-0.30	0.767	.593349 1.469136
_lorg_size_2   .8518733	.3048212	-0.45	0.654	.4224683 1.717734
_lorg_size_3   1.1243	.4797058	0.27	0.784	.4871912 2.594567
_lorg_size_4   .9919858	.3818619	-0.02	0.983	.4664854 2.109468
_lorg_size_5   1.977151	.9531745	1.41	0.157	.7685639 5.086275
_lcsect1_2   .4692945	.1925252	-1.84	0.065	.2100126 1.048687
_lcsect1_3   .2297947	.0977847	-3.46	0.001	.0997994 .5291178
_lcsect1_4   .2292109	.0918337	-3.68	0.000	.1045202 .5026556
_lcsect1_5   .1758453	.0778515	-3.93	0.000	.0738381 .418775
_lcsect1_6   .4590044	.2035435	-1.76	0.079	.1924666 1.094658
_lcsect1_7   .1540333	.0702672	-4.10	0.000	.0629959 .3766321
_lcomb_stat_2   .5394233	.1436386	-2.32	0.020	.3200886 .9090529

-----+-----				
/cut1   -3.421973	.5070822		-4.415836	-2.428111
/cut2   -1.713723	.4796304		-2.653781	-.7736648
/cut3   -.5458	.4676721		-1.46242	.3708205
/cut4   1.082168	.4798053		.1417672	2.022569

```
. bysort year: sum iex_bnf_k if cc_adopt1==5
```

```
-> year = 1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_k	180	3.188889	1.132501	1	5

-----  
-----  
-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_k	97	3.185567	1.063895	1	5

. xi: ologit iex\_bnf\_k i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -410.7884

Iteration 1: log likelihood = -410.78714

Iteration 2: log likelihood = -410.78714

Ordered logistic regression                      Number of obs =     277

LR chi2(1)    =     0.00

Prob > chi2   =   0.9599

Log likelihood = -410.78714                      Pseudo R2     =   0.0000

-----  
-----  
iex\_bnf\_k | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]

-----+-----  
\_lyear\_2 |   1.011372   .2273242   0.05   0.960   .6510103   1.571209

-----+-----  
/cut1 | -2.397892   .2314268                      -2.851481   -1.944304

/cut2 | -1.06118   .1590731                      -1.372957   -.7494021

/cut3 | .3468026   .1471                              .0584919   .6351132

/cut4 | 2.07545   .2073604                      1.669031   2.481869  
-----

```
. xi: ologit iex_bnf_k i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

Iteration 0: log likelihood = -410.7884

Iteration 1: log likelihood = -407.52374

Iteration 2: log likelihood = -407.51705

Iteration 3: log likelihood = -407.51705

Ordered logistic regression                      Number of obs =     277

LR chi2(12)   =   6.54

Prob > chi2   =   0.8863

Log likelihood = -407.51705                      Pseudo R2     =   0.0080

-----+-----						
iex_bnf_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	.9814266	.230134	-0.08	0.936	.6198124	1.554016
_lorg_size_2	1.536687	.5519633	1.20	0.232	.7600498	3.106912
_lorg_size_3	1.864719	.8019568	1.45	0.147	.802673	4.331999
_lorg_size_4	1.318205	.5082312	0.72	0.474	.6191613	2.80648
_lorg_size_5	1.468322	.7214059	0.78	0.434	.5605503	3.846164
_lcsect1_2	1.144755	.4617314	0.34	0.737	.51926	2.523717
_lcsect1_3	1.202321	.5025716	0.44	0.659	.5299286	2.72787
_lcsect1_4	1.153472	.4498939	0.37	0.714	.5370431	2.477451
_lcsect1_5	.850317	.388897	-0.35	0.723	.3469599	2.083927
_lcsect1_6	1.240853	.5573817	0.48	0.631	.5144782	2.992771
_lcsect1_7	.6441667	.2807166	-1.01	0.313	.274195	1.513342

```
_lcomb_stat_2 | .9390511 .2521542 -0.23 0.815 .5547846 1.589476
```

```
-----+-----  
/cut1 | -2.077865 .4890667          -3.036418 -1.119312  
/cut2 | -.7251804 .460974          -1.628673 .1783122  
/cut3 | .7027465 .4594134          -.1976872 1.60318  
/cut4 | 2.449902 .4843622          1.500569 3.399234  
-----
```

```
. bysort year: sum iex_bnf_l if cc_adopt1==5
```

```
-----  
-----  
-> year = 1
```

```
Variable |   Obs   Mean  Std. Dev.   Min   Max  
-----+-----  
iex_bnf_l |   180  3.611111  1.100477     1     5
```

```
-----  
-----  
-> year = 2
```

```
Variable |   Obs   Mean  Std. Dev.   Min   Max  
-----+-----  
iex_bnf_l |    97  3.71134  .934955     1     5
```

```
. xi: ologit iex_bnf_l i.year if cc_adopt1==5, or
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Iteration 0:  log likelihood = -389.33437
```

```
Iteration 1:  log likelihood = -389.21624
```

Iteration 2: log likelihood = -389.21623

Ordered logistic regression                      Number of obs =     277

LR chi2(1)     =     0.24

Prob > chi2     =     0.6269

Log likelihood = -389.21623                      Pseudo R2     =     0.0003

-----						
iex_bnf_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.115483	.2508531	0.49	0.627	.7178637	1.733339
-----+-----						
/cut1	-3.355973	.347483			-4.037027	-2.674919
/cut2	-1.862192	.1956243			-2.245609	-1.478776
/cut3	-.2576809	.1472969			-.5463775	.0310156
/cut4	1.222764	.1648337			.8996962	1.545832
-----						

. xi: ologit iex\_bnf\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -389.33437

Iteration 1: log likelihood = -383.44103

Iteration 2: log likelihood = -383.42538

Iteration 3: log likelihood = -383.42538

Ordered logistic regression                      Number of obs =     277

LR chi2(12)     =     11.82

Prob > chi2 = 0.4604

Log likelihood = -383.42538

Pseudo R2 = 0.0152

-----+-----						
iex_bnf_l	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.205829	.2813398	0.80	0.422	.7632846	1.904957
_lorg_size_2	.7586843	.2768238	-0.76	0.449	.3710909	1.551108
_lorg_size_3	.6341484	.2708341	-1.07	0.286	.2745726	1.464619
_lorg_size_4	.9121788	.3562302	-0.24	0.814	.4242903	1.961087
_lorg_size_5	.7720806	.3726058	-0.54	0.592	.2998287	1.988164
_lcsect1_2	1.540244	.6485163	1.03	0.305	.6748281	3.515492
_lcsect1_3	1.779756	.7296269	1.41	0.160	.7968981	3.974827
_lcsect1_4	1.728799	.6802335	1.39	0.164	.7995045	3.738249
_lcsect1_5	1.398345	.6189208	0.76	0.449	.5873057	3.329386
_lcsect1_6	3.428311	1.51329	2.79	0.005	1.443283	8.14346
_lcsect1_7	.9879648	.4284666	-0.03	0.978	.4222671	2.31151
_lcomb_stat_2	1.046026	.278725	0.17	0.866	.6204841	1.763415
-----+-----						
/cut1	-3.158637	.5598003			-4.255825	-2.061448
/cut2	-1.65075	.4820135			-2.595479	-.7060206
/cut3	-.0044651	.4665074			-.9188028	.9098726
/cut4	1.521899	.4748628			.5911854	2.452613

. bysort year: sum iex\_bnf\_m if cc\_adopt1==5

-----  
-----  
-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_m	180	2.427778	1.00296	1	5

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_m	97	2.340206	.8277303	1	4

. xi: ologit iex\_bnf\_m i.year if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -369.84161

Iteration 1: log likelihood = -369.69803

Iteration 2: log likelihood = -369.69802

Ordered logistic regression                      Number of obs =    277

LR chi2(1)    =    0.29

Prob > chi2    =    0.5920

Log likelihood = -369.69802                      Pseudo R2        =    0.0004

iex_bnf_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
-----+-----					

_lyear_2	.8854549	.2010694	-0.54	0.592	.5673817	1.381839
----------	----------	----------	-------	-------	----------	----------

/cut1	-1.608342	.1807677			-1.96264	-1.254044
-------	-----------	----------	--	--	----------	-----------

/cut2	.2087272	.1476804		-.0807211	.4981756
/cut3	1.992417	.2040941		1.5924	2.392434
/cut4	3.954657	.4577843		3.057417	4.851898

```

. xi: ologit iex_bnf_m i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5, or
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)

```

```

Iteration 0: log likelihood = -369.84161
Iteration 1: log likelihood = -365.8538
Iteration 2: log likelihood = -365.84423
Iteration 3: log likelihood = -365.84423

```

```

Ordered logistic regression      Number of obs =    277

                LR chi2(12)    =    7.99
                Prob > chi2    =    0.7855

Log likelihood = -365.84423      Pseudo R2    =    0.0108

```

iex_bnf_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.8976522	.2094271	-0.46	0.644	.5682222 1.418071
_lorg_size_2	.5840782	.2101065	-1.49	0.135	.2885852 1.182138
_lorg_size_3	.5522545	.2320772	-1.41	0.158	.2423449 1.258475
_lorg_size_4	.8916203	.3481643	-0.29	0.769	.4147616 1.916732
_lorg_size_5	.6020031	.2989401	-1.02	0.307	.2274641 1.593253
_lcsect1_2	.9099708	.3812306	-0.23	0.822	.40033 2.068411
_lcsect1_3	1.01452	.4349488	0.03	0.973	.4378546 2.350666



_lcsect1_4	.6564622	.2649572	-1.04	0.297	.2976137	1.447993
_lcsect1_5	.7024709	.3183833	-0.78	0.436	.2889584	1.707738
_lcsect1_6	.8762138	.3981353	-0.29	0.771	.3596167	2.134913
_lcsect1_7	.571556	.2523767	-1.27	0.205	.2405479	1.35805
_lcomb_stat_2	1.068852	.2918136	0.24	0.807	.6259308	1.825195

-----+-----

/cut1	-2.187428	.496081		-3.159729	-1.215127
/cut2	-.336733	.4755367		-1.268768	.5953019
/cut3	1.484485	.4867168		.5305372	2.438432
/cut4	3.459346	.6355251		2.21374	4.704952

-----

. bysort year: sum iex\_bnf\_p if cc\_adopt1==5

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_p	6	5	0	5	5

-----

-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
iex_bnf_p	0				

. xi: ologit iex\_bnf\_p i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 omitted because of collinearity

too few categories

r(148);

end of do-file

r(148);

. do "C:\Users\Ahmad\Temp\STD02000000.tmp"

. xi: logistic rl\_bnf\_a i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     276  
   LR chi2(1)     =     0.01  
   Prob > chi2     =   0.9321  
Log likelihood = -190.71762               Pseudo R2       =   0.0000

rl_bnf_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9787088	.2473716	-0.09	0.932	.5963617	1.606191
_cons	.8842105	.1324283	-0.82	0.411	.6592819	1.185879

. xi: logistic rl\_bnf\_a i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    276

LR chi2(12)    =    28.57

Prob > chi2    =    0.0046

Log likelihood = -176.43447

Pseudo R2      =    0.0749

rl_bnf_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.04988	.288452	0.18	0.859	.6127371	1.798893
_lorg_size_2	1.330235	.5531578	0.69	0.493	.5888019	3.005298
_lorg_size_3	1.188006	.590728	0.35	0.729	.4482955	3.148276
_lorg_size_4	3.942183	1.813062	2.98	0.003	1.600508	9.709919
_lorg_size_5	3.298852	1.872151	2.10	0.035	1.084657	10.03306
_lcsect1_2	1.137275	.5328851	0.27	0.784	.4539666	2.849096
_lcsect1_3	1.007659	.48447	0.02	0.987	.3927047	2.585597
_lcsect1_4	1.090786	.4940802	0.19	0.848	.4489323	2.650318
_lcsect1_5	.3140171	.1704856	-2.13	0.033	.1083478	.9100938
_lcsect1_6	.5440747	.2844071	-1.16	0.244	.1953014	1.515694
_lcsect1_7	.7466392	.3719776	-0.59	0.558	.281216	1.982356
_lcomb_stat_2	.8722064	.266853	-0.45	0.655	.4788426	1.588714
_cons	.6418307	.3373514	-0.84	0.399	.2290984	1.798121

. xi: logistic rl\_bnf\_b i.year if cc\_adopt1==5

i.year            \_lyear\_1-2            (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    276

LR chi2(1)    =    0.06

Prob > chi2    =    0.8135

Log likelihood = -190.05434                      Pseudo R2    =   0.0001

-----						
rl_bnf_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9419603	.2388175	-0.24	0.814	.5730933	1.548246
_cons	.8453608	.1268165	-1.12	0.263	.6300128	1.134318

. xi: logistic rl\_bnf\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =    276

LR chi2(12)    =    8.30

Prob > chi2    =   0.7613

Log likelihood = -185.93248                      Pseudo R2    =   0.0218

rl_bnf_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9324572	.2468847	-0.26	0.792	.5549554	1.56675
_lorg_size_2	.8566941	.340103	-0.39	0.697	.3934625	1.865298
_lorg_size_3	.3879237	.1890763	-1.94	0.052	.1492332	1.008387
_lorg_size_4	.678148	.2939071	-0.90	0.370	.2900124	1.585741
_lorg_size_5	.4649979	.2573879	-1.38	0.167	.1571411	1.37598
_lcsect1_2	.7678909	.3524349	-0.58	0.565	.3123403	1.887865
_lcsect1_3	.6600101	.3132083	-0.88	0.381	.2603828	1.672973
_lcsect1_4	.9497142	.4209158	-0.12	0.907	.3984173	2.26385

_lcsect1_5	.7202042	.3624797	-0.65	0.514	.2685621	1.931375
_lcsect1_6	.6824122	.3494014	-0.75	0.455	.2501633	1.86153
_lcsect1_7	.7548552	.3666599	-0.58	0.563	.2913432	1.955791
_lcomb_stat_2	.9822248	.2930907	-0.06	0.952	.5472891	1.762808
_cons	1.555214	.8009172	0.86	0.391	.5668021	4.26726

. xi: logistic rl\_bnf\_c i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(1) =	0.06
	Prob > chi2 =	0.8110
Log likelihood = -147.00086	Pseudo R2 =	0.0002

rl_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	.9300386	.282728	-0.24	0.811	.5125534 1.687574
_cons	.2971015	.0528445	-6.82	0.000	.2096545 .4210225

. xi: logistic rl\_bnf\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(12) =	11.82
	Prob > chi2 =	0.4601

Log likelihood = -141.11826                      Pseudo R2     =   0.0402

rl_bnf_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9221976	.2952865	-0.25	0.800	.4923459	1.727339
_lorg_size_2	2.610525	1.358482	1.84	0.065	.9413998	7.239051
_lorg_size_3	1.816264	1.109194	0.98	0.328	.5487186	6.011853
_lorg_size_4	1.521127	.8751471	0.73	0.466	.4925443	4.697704
_lorg_size_5	1.671284	1.177048	0.73	0.466	.4203086	6.64557
_lcsect1_2	1.606183	.8746374	0.87	0.384	.5524311	4.669945
_lcsect1_3	.8296341	.4885975	-0.32	0.751	.2615696	2.631394
_lcsect1_4	2.343492	1.211156	1.65	0.099	.8510363	6.453256
_lcsect1_5	.6588251	.4208537	-0.65	0.514	.1883768	2.304161
_lcsect1_6	.763517	.4957017	-0.42	0.678	.2138894	2.725513
_lcsect1_7	.6583624	.4273288	-0.64	0.520	.1844881	2.349425
_lcomb_stat_2	.7213248	.2584843	-0.91	0.362	.3573598	1.455982
_cons	.1701376	.1120693	-2.69	0.007	.0467859	.6187072

```
. xi: logistic rl_bnf_d i.year if cc_adopt1==5
```

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs	=	276
	LR chi2(1)	=	0.02
	Prob > chi2	=	0.8952
Log likelihood = -181.25724	Pseudo R2	=	0.0000

rl_bnf_d   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
1				

_lyear_2	.9661306	.2525425	-0.13	0.895	.5788091	1.612636
_cons	1.753846	.2725894	3.61	0.000	1.293286	2.378419

. xi: logistic rl\_bnf\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     276

LR chi2(12)    =    12.77

Prob > chi2    =    0.3861

Log likelihood = -174.88196              Pseudo R2        =    0.0352

rl_bnf_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

_lyear_2	1.05826	.2918689	0.21	0.837	.6163539	1.816998
_lorg_size_2	1.451656	.5855805	0.92	0.356	.6584141	3.200576
_lorg_size_3	1.059845	.5073866	0.12	0.903	.4147064	2.708592
_lorg_size_4	1.832943	.8205966	1.35	0.176	.7622046	4.407845
_lorg_size_5	3.35577	2.09292	1.94	0.052	.9883635	11.39378
_lcsect1_2	1.406706	.696052	0.69	0.490	.5333599	3.710105
_lcsect1_3	1.391471	.684996	0.67	0.502	.5302038	3.651785
_lcsect1_4	.9929938	.4609366	-0.02	0.988	.3997866	2.466407
_lcsect1_5	1.33291	.6897218	0.56	0.579	.4834391	3.675021
_lcsect1_6	1.029334	.5531208	0.05	0.957	.3590515	2.950912
_lcsect1_7	1.126629	.5764682	0.23	0.816	.4132781	3.071282
_lcomb_stat_2	1.938816	.6004343	2.14	0.033	1.05664	3.557511
_cons	.7177821	.3800412	-0.63	0.531	.254279	2.026165

-----

. xi: logistic rl\_bnf\_e i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     276

LR chi2(1)     =     0.92

Prob > chi2     =     0.3380

Log likelihood = -190.82065                      Pseudo R2     =     0.0024

-----

rl_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

-----+-----

_lyear_2	.7850697	.1985451	-0.96	0.339	.4782317 1.288778
----------	----------	----------	-------	-------	-------------------

_cons	1.057471	.1581399	0.37	0.709	.7888153 1.417627
-------	----------	----------	------	-------	-------------------

-----

. xi: logistic rl\_bnf\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat     \_lcomb\_stat\_1-2     (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     276

LR chi2(12)     =     23.70

Prob > chi2     =     0.0224

Log likelihood = -179.43178                      Pseudo R2     =     0.0619

-----

rl_bnf_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

-----+-----



_lyear_2	.8904331	.2410034	-0.43	0.668	.5238612	1.513514
_lorg_size_2	1.037325	.4287431	0.09	0.929	.461423	2.332008
_lorg_size_3	.6102369	.3043315	-0.99	0.322	.2296124	1.621816
_lorg_size_4	.8646824	.3875212	-0.32	0.746	.3592337	2.081307
_lorg_size_5	.6617881	.3694986	-0.74	0.460	.2215462	1.976849
_lcsect1_2	1.975697	.9168608	1.47	0.142	.7956166	4.906107
_lcsect1_3	2.020205	.9629197	1.48	0.140	.7937337	5.14181
_lcsect1_4	2.876023	1.328701	2.29	0.022	1.162904	7.112808
_lcsect1_5	.740273	.3916152	-0.57	0.570	.2624786	2.087805
_lcsect1_6	.8400461	.4364198	-0.34	0.737	.3034505	2.325511
_lcsect1_7	1.55745	.7605836	0.91	0.364	.5980375	4.056019
_lcomb_stat_2	1.756748	.5339555	1.85	0.064	.968257	3.187339
_cons	.5965023	.3140386	-0.98	0.326	.2125606	1.673946

. xi: logistic rl\_bnf\_f i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(1) =	0.01
	Prob > chi2 =	0.9332
Log likelihood = -117.69986	Pseudo R2 =	0.0000

rl_bnf_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.02981	.3604009	0.08	0.933	.5186373 2.0448
_cons	.1776316	.0370974	-8.27	0.000	.1179645 .2674785

. xi: logistic rl\_bnf\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5



. xi: logistic rl\_bnf\_g i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     276

LR chi2(1)     =     0.20

Prob > chi2     =     0.6576

Log likelihood = -164.23225              Pseudo R2     =     0.0006

-----						
rl_bnf_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.131453	.3145542	0.44	0.657	.656137	1.951094
_cons	.3769231	.0631844	-5.82	0.000	.2713714	.5235297
-----						

. xi: logistic rl\_bnf\_g i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat     \_lcomb\_stat\_1-2     (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     276

LR chi2(12)     =     13.05

Prob > chi2     =     0.3654

Log likelihood = -157.80539              Pseudo R2     =     0.0397

-----						
rl_bnf_g	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.247208	.3645865	0.76	0.450	.7032563	2.211892
_lorg_size_2	1.172617	.5128723	0.36	0.716	.49758	2.763438

_lorg_size_3	.7714828	.4207033	-0.48	0.634	.264942	2.246475
_lorg_size_4	1.317094	.6271529	0.58	0.563	.5179708	3.349102
_lorg_size_5	.6830663	.4416964	-0.59	0.556	.1923286	2.42595
_lcsect1_2	2.804199	1.600686	1.81	0.071	.9160685	8.583998
_lcsect1_3	1.685548	1.008416	0.87	0.383	.5217844	5.444915
_lcsect1_4	4.415257	2.407164	2.72	0.006	1.516657	12.85359
_lcsect1_5	1.755292	1.094213	0.90	0.367	.5172823	5.956225
_lcsect1_6	2.468501	1.539356	1.45	0.147	.7271506	8.379964
_lcsect1_7	2.899176	1.712793	1.80	0.072	.9107445	9.228957
_lcomb_stat_2	.7597101	.2500705	-0.83	0.404	.3985305	1.448219
_cons	.1708887	.1077423	-2.80	0.005	.0496645	.5880046

. xi: logistic rl\_bnf\_h i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(1) =	0.09
	Prob > chi2 =	0.7676
Log likelihood = -98.974374	Pseudo R2 =	0.0004

rl_bnf_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.122353	.436691	0.30	0.767	.5235275 2.406132
_cons	.1257862	.0298432	-8.74	0.000	.07901 .2002551

. xi: logistic rl\_bnf\_h i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

i.org\_size      \_lorg\_size\_1-5      (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =      276

LR chi2(12)      =      5.31

Prob > chi2      =      0.9470

Log likelihood = -96.365239                      Pseudo R2      =      0.0268

rl_bnf_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.122073	.4530187	0.29	0.775	.5085833	2.475596
_lorg_size_2	1.121341	.7051503	0.18	0.855	.3269365	3.846024
_lorg_size_3	.8321694	.6381845	-0.24	0.811	.1851107	3.741036
_lorg_size_4	1.56597	1.033775	0.68	0.497	.4294003	5.710897
_lorg_size_5	.3463598	.4072147	-0.90	0.367	.0345757	3.469635
_lcsect1_2	.57402	.4545333	-0.70	0.483	.1215933	2.709845
_lcsect1_3	.8467367	.6128111	-0.23	0.818	.2049774	3.497767
_lcsect1_4	1.195054	.786127	0.27	0.786	.3291944	4.338329
_lcsect1_5	1.095082	.8062058	0.12	0.902	.2586944	4.635603
_lcsect1_6	.9336873	.7471615	-0.09	0.932	.1945571	4.480801
_lcsect1_7	.6738227	.533654	-0.50	0.618	.1426958	3.181853
_lcomb_stat_2	.7208242	.3390768	-0.70	0.486	.2866968	1.812324
_cons	.1491311	.11822	-2.40	0.016	.0315355	.7052407

. xi: logistic rl\_bnf\_i i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      276

LR chi2(1)      =      0.20

Prob > chi2 = 0.6512

Log likelihood = -183.71815

Pseudo R2 = 0.0006

-----						
rl_bnf_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.889652	.2298272	-0.45	0.651	.536199	1.476095
cons	1.671642	.2581804	3.33	0.001	1.23503	2.262606

. xi: logistic rl\_bnf\_i i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year       \_leyar\_1-2       (naturally coded; \_leyar\_1 omitted)

i.org\_size   \_lorg\_size\_1-5   (naturally coded; \_lorg\_size\_1 omitted)

i.csect1    \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 276

LR chi2(12) = 5.30

Prob > chi2 = 0.9470

Log likelihood = -181.16787

Pseudo R2 = 0.0144

rl_bnf_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8763528	.235008	-0.49	0.623	.5181025	1.482321
_lorg_size_2	1.032953	.4154949	0.08	0.936	.4695627	2.272311
_lorg_size_3	1.023218	.4905968	0.05	0.962	.3998043	2.618721
_lorg_size_4	1.594126	.7134234	1.04	0.297	.6631047	3.832332
_lorg_size_5	1.669042	.9465992	0.90	0.366	.5491703	5.072561
_lcsect1_2	1.013282	.4756753	0.03	0.978	.4037775	2.542837
_lcsect1_3	.8312302	.3981338	-0.39	0.700	.3251037	2.125302

_lcsect1_4	1.123308	.5112175	0.26	0.798	.4603804	2.740821
_lcsect1_5	.9872397	.5070671	-0.03	0.980	.3607676	2.701579
_lcsect1_6	1.033074	.5371589	0.06	0.950	.3728543	2.862356
_lcsect1_7	.5933666	.2900692	-1.07	0.286	.2276201	1.546805
_lcomb_stat_2	.8053799	.2443541	-0.71	0.476	.4443695	1.459679
_cons	1.696179	.8857896	1.01	0.312	.6094695	4.72054

-----

. xi: logistic rl\_bnf\_j i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(1) =	0.56
	Prob > chi2 =	0.4561
Log likelihood = -161.17698	Pseudo R2 =	0.0017

-----

rl_bnf_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.233056	.3453583	0.75	0.454	.7121569 2.134962
_cons	.3458647	.05916	-6.21	0.000	.2473481 .4836195

-----

. xi: logistic rl\_bnf\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	276
	LR chi2(12) =	7.01

Prob > chi2 = 0.8568

Log likelihood = -157.9486

Pseudo R2 = 0.0217

rl_bnf_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.152918	.3374912	0.49	0.627	.6495728	2.046297
_lorg_size_2	1.113028	.5128624	0.23	0.816	.4511163	2.746147
_lorg_size_3	1.198574	.6552833	0.33	0.740	.4104841	3.499718
_lorg_size_4	1.312279	.650686	0.55	0.584	.4965495	3.468084
_lorg_size_5	1.3834	.8387847	0.54	0.592	.4215475	4.539931
_lcsect1_2	.6598521	.3202807	-0.86	0.392	.2548521	1.708461
_lcsect1_3	.5613793	.2805843	-1.16	0.248	.2107732	1.495194
_lcsect1_4	.4992748	.2432733	-1.43	0.154	.1921273	1.297449
_lcsect1_5	.2835031	.16435	-2.17	0.030	.0910136	.8830986
_lcsect1_6	.4991127	.277302	-1.25	0.211	.1679885	1.48292
_lcsect1_7	.5237775	.2791333	-1.21	0.225	.1842984	1.48858
_lcomb_stat_2	.682267	.2252838	-1.16	0.247	.3571811	1.303227
_cons	.6398587	.3550807	-0.80	0.421	.2156361	1.898657

. xi: logistic rl\_bnf\_k i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 276

LR chi2(1) = 0.04

Prob > chi2 = 0.8346

Log likelihood = -180.11348

Pseudo R2 = 0.0001

---

rl_bnf_k	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
----------	------------	-----------	---	------	----------------------	--



```

-----+-----
    _lyear_2 | .9465202 .2494244 -0.21 0.835 .5647076 1.586486
    _cons | .5701754 .0886188 -3.61 0.000 .4204473 .7732242
-----

```

. xi: logistic rl\_bnf\_k i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

```

Logistic regression               Number of obs =   276
                                LR chi2(12)  =   17.69
                                Prob > chi2   =   0.1254
Log likelihood = -171.29039       Pseudo R2   =   0.0491

```

```

-----+-----
    rl_bnf_k | Odds Ratio Std. Err.   z  P>|z|   [95% Conf. Interval]
-----+-----
    _lyear_2 | .9486608 .2661513  -0.19 0.851   .5473969 1.644067
    _lorg_size_2 | 1.914752 .9183764   1.35 0.176   .7479093 4.902031
    _lorg_size_3 | 5.129308 2.770806   3.03 0.002   1.779292 14.78667
    _lorg_size_4 | 2.676622 1.356211   1.94 0.052   .9915024 7.225706
    _lorg_size_5 | 2.309016 1.413619   1.37 0.172   .6955157 7.665613
    _lcsect1_2 | .9390671 .4576248  -0.13 0.897   .3613186 2.440635
    _lcsect1_3 | 1.096453 .5447476   0.19 0.853   .4140856 2.903287
    _lcsect1_4 | .9927625 .463517  -0.02 0.988   .3975783 2.478952
    _lcsect1_5 | 1.915452 1.006046   1.24 0.216   .6842235 5.36222
    _lcsect1_6 | .6437102 .3519858  -0.81 0.420   .2204178 1.879897
    _lcsect1_7 | .9249383 .480764  -0.15 0.881   .3339455 2.561828
    _lcomb_stat_2 | 1.479981 .4753866   1.22 0.222   .7885707 2.777613

```

\_cons | .1940138 .1164939 -2.73 0.006 .0598048 .6294039

-----

. xi: logistic rl\_bnf\_l i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     276

                         LR chi2(1)     =     0.19

                         Prob > chi2     =     0.6639

Log likelihood = -190.16942                      Pseudo R2     =     0.0005

-----

rl\_bnf\_l | Odds Ratio   Std. Err.     z   P>|z|     [95% Conf. Interval]

-----+-----

  \_lyear\_2 | .8959157 .2265586 -0.43 0.664 .5457777 1.470681

      \_cons | 1.2375 .1860412 1.42 0.156 .9216769 1.661544

-----

. xi: logistic rl\_bnf\_l i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     276

                         LR chi2(12)    =     9.51

                         Prob > chi2    =     0.6584

Log likelihood = -185.50636                      Pseudo R2     =     0.0250

-----

rl\_bnf\_l | Odds Ratio   Std. Err.     z   P>|z|     [95% Conf. Interval]

```

-----+-----
    _lyear_2 | 1.017568 .2688615  0.07  0.947  .6062608  1.707921
    _lorg_size_2 | .9534869 .3856546 -0.12  0.906  .4315501  2.106678
    _lorg_size_3 | .5454919 .2625061 -1.26  0.208  .2124057  1.400911
    _lorg_size_4 | 1.019062 .4495544  0.04  0.966  .4292367  2.41938
    _lorg_size_5 | .5524473 .3025103 -1.08  0.279  .1888809  1.615822
    _lcsect1_2 | 2.421864 1.136031  1.89  0.059  .9657708  6.073309
    _lcsect1_3 | 1.704389 .8044855  1.13  0.259  .6757631  4.298756
    _lcsect1_4 | 1.767608 .789142  1.28  0.202  .7368349  4.24035
    _lcsect1_5 | 1.537439 .7736182  0.85  0.393  .5734358  4.122027
    _lcsect1_6 | 1.872632 .9541204  1.23  0.218  .6898566  5.083305
    _lcsect1_7 | 1.043923 .5059569  0.09  0.929  .403755  2.699102
    _lcomb_stat_2 | 1.303195 .3913081  0.88  0.378  .7234705  2.34746
    _cons | .7864777 .4071609 -0.46  0.643  .2851136  2.169476
-----

```

. xi: logistic rl\_bnf\_m i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

```

Logistic regression                      Number of obs =     276
                                         LR chi2(1)     =     0.29
                                         Prob > chi2     =     0.5886
Log likelihood = -100.88566              Pseudo R2       =     0.0014

```

```

-----+-----
    rl_bnf_m | Odds Ratio  Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
    _lyear_2 | 1.230357 .4686953  0.54  0.586  .5831394  2.595912
    _cons | .1257862 .0298432 -8.74  0.000  .07901  .2002551
-----

```

```
. xi: logistic rl_bnf_m i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)
```

```
Logistic regression              Number of obs =    276
                                LR chi2(12)  =    2.25
                                Prob > chi2   =    0.9989
Log likelihood = -99.904526      Pseudo R2   =    0.0112
```

rl_bnf_m	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.250796	.4946699	0.57	0.572	.5761686	2.715333
_lorg_size_2	1.026526	.6406394	0.04	0.967	.3020982	3.488125
_lorg_size_3	1.093554	.8027042	0.12	0.903	.259436	4.609458
_lorg_size_4	1.075897	.7241433	0.11	0.913	.2876476	4.024208
_lorg_size_5	1.462492	1.157795	0.48	0.631	.3099073	6.901682
_lcsect1_2	.9313793	.6249016	-0.11	0.916	.2500458	3.469233
_lcsect1_3	1.192309	.8124004	0.26	0.796	.3136229	4.532833
_lcsect1_4	.8227074	.5423949	-0.30	0.767	.2259773	2.995201
_lcsect1_5	.8763027	.6786369	-0.17	0.865	.1920686	3.998084
_lcsect1_6	.4759062	.414671	-0.85	0.394	.086267	2.625416
_lcsect1_7	.9858693	.7009272	-0.02	0.984	.244702	3.971927
_lcomb_stat_2	1.288347	.5942084	0.55	0.583	.5217275	3.181427
_cons	.1110766	.0876804	-2.78	0.005	.0236434	.5218367

```
. xi: logistic rl_bnf_p i.year if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

note: \_lyear\_2 != 0 predicts failure perfectly

\_lyear\_2 dropped and 98 obs not used

Logistic regression                      Number of obs =    179  
   LR chi2(0)    =   -0.00  
   Prob > chi2    =       .  
Log likelihood = -10.977262              Pseudo R2    =   -0.0000

```
-----  
rl_bnf_p | Odds Ratio Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----  
_lyear_2 |        1 (omitted)  
_cons | .0112994 .0080349 -6.30 0.000   .002804 .0455342  
-----
```

. xi: logistic rl\_bnf\_p i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

\_lyear\_2 dropped and 98 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

\_lorg\_size\_3 dropped and 24 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

\_lorg\_size\_5 dropped and 15 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

\_lcsect1\_2 dropped and 27 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

\_lcsect1\_3 dropped and 28 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

\_lcsect1\_4 dropped and 20 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

\_lcsect1\_5 dropped and 19 obs not used

note: \_lcsect1\_6 != 1 predicts failure perfectly

\_lcsect1\_6 dropped and 37 obs not used

note: \_lorg\_size\_4 omitted because of collinearity

note: \_lcsect1\_7 omitted because of collinearity

Logistic regression                      Number of obs =        9  
   LR chi2(2)     =     0.31  
   Prob > chi2    =     0.8569  
Log likelihood = -4.6129098                      Pseudo R2     =     0.0324

-----						
rl_bnf_p	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1 (omitted)					
_lorg_size_2	.3999999	.6966586	-0.53	0.599	.0131694	12.14933
_lorg_size_3	1 (omitted)					
_lorg_size_4	1 (omitted)					
_lorg_size_5	1 (omitted)					
_lcsect1_2	1 (omitted)					

_lcsect1_3	1	(omitted)					
_lcsect1_4	1	(omitted)					
_lcsect1_5	1	(omitted)					
_lcsect1_6	1	(omitted)					
_lcsect1_7	1	(omitted)					
_lcomb_stat_2	1	1.732051	0.00	1.000	.0335487	29.80741	
_cons	.5000001	.8416255	-0.41	0.680	.018458	13.54427	

```
. xi: logistic rl_bnf_q i.year if cc_adopt1==5
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

Logistic regression	Number of obs =	276
	LR chi2(1) =	0.38
	Prob > chi2 =	0.5401
Log likelihood = -20.719628	Pseudo R2 =	0.0090

rl_bnf_q	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.863158	1.878167	0.62	0.537	.2583397 13.43718
_cons	.0112994	.0080349	-6.30	0.000	.002804 .0455342

```
. xi: logistic rl_bnf_q i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
note: _lorg_size_3 != 0 predicts failure perfectly
```

```
_lorg_size_3 dropped and 41 obs not used
```

note: \_lorg\_size\_5 != 0 predicts failure perfectly

\_lorg\_size\_5 dropped and 26 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

\_lcsect1\_2 dropped and 33 obs not used

note: \_lcsect1\_4 != 0 predicts failure perfectly

\_lcsect1\_4 dropped and 33 obs not used

note: \_lcsect1\_5 != 0 predicts failure perfectly

\_lcsect1\_5 dropped and 30 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

\_lcsect1\_6 dropped and 17 obs not used

Logistic regression                      Number of obs =     96  
   LR chi2(6)     =     2.62  
   Prob > chi2     =     0.8549  
Log likelihood = -15.318214                      Pseudo R2     =     0.0788

-----  
rl\_bnf\_q | Odds Ratio   Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----  
\_lyear\_2 |   2.989861   3.314762   0.99   0.323   .3403704   26.26337  
\_lorg\_size\_2 |   4410070   1.91e+10   0.00   0.997        0        .  
\_lorg\_size\_3 |        1 (omitted)  
\_lorg\_size\_4 |   5505807   2.38e+10   0.00   0.997        0        .  
\_lorg\_size\_5 |        1 (omitted)  
\_lcsect1\_2 |        1 (omitted)



_lcsect1_3	3.931321	6.999123	0.77	0.442	.1199784	128.8173
_lcsect1_4	1 (omitted)					
_lcsect1_5	1 (omitted)					
_lcsect1_6	1 (omitted)					
_lcsect1_7	1.504821	2.277425	0.27	0.787	.0774927	29.22195
_lcomb_stat_2	2.069381	3.053513	0.49	0.622	.1147717	37.3118
_cons	2.27e-09	9.83e-06	-0.00	0.996	0	.

-----

Note: 11 failures and 0 successes completely determined.

. xi: logistic rl\_bnf\_r i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

      \_lyear\_2 dropped and 97 obs not used

Logistic regression	Number of obs =	179
	LR chi2(0) =	0.00
	Prob > chi2 =	.
Log likelihood = -26.272057	Pseudo R2 =	0.0000

-----

rl_bnf_r	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

-----+-----

_lyear_2	1 (omitted)				
_cons	.0346821	.0144023	-8.09	0.000	.0153684 .0782675

-----

. xi: logistic rl\_bnf\_r i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lyear\_2 != 0 predicts failure perfectly

    \_lyear\_2 dropped and 97 obs not used

note: \_lorg\_size\_3 != 0 predicts failure perfectly

    \_lorg\_size\_3 dropped and 24 obs not used

note: \_lorg\_size\_5 != 0 predicts failure perfectly

    \_lorg\_size\_5 dropped and 15 obs not used

note: \_lcsect1\_2 != 0 predicts failure perfectly

    \_lcsect1\_2 dropped and 27 obs not used

note: \_lcsect1\_3 != 0 predicts failure perfectly

    \_lcsect1\_3 dropped and 28 obs not used

note: \_lcsect1\_6 != 0 predicts failure perfectly

    \_lcsect1\_6 dropped and 9 obs not used

Logistic regression                      Number of obs =      76

   LR chi2(6)      =      4.38

   Prob > chi2      =      0.6258

Log likelihood = -18.802188                      Pseudo R2      =      0.1043

---

rl_bnf_r	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
<hr/>					
_lyear_2	1 (omitted)				
_lorg_size_2	1.51e+07	6.38e+10	0.00	0.997	0 .

```

_lorg_size_3 |      1 (omitted)
_lorg_size_4 | 1.16e+07 4.90e+10 0.00 0.997      0      .
_lorg_size_5 |      1 (omitted)
_lcsect1_2 |      1 (omitted)
_lcsect1_3 |      1 (omitted)
_lcsect1_4 | .5205977 .6753478 -0.50 0.615 .0409522 6.618009
_lcsect1_5 | .1563632 .2644403 -1.10 0.273 .0056831 4.302101
_lcsect1_6 |      1 (omitted)
_lcsect1_7 | .5341713 .7310305 -0.46 0.647 .0365413 7.808671
_lcomb_stat_2 | .3804638 .4919258 -0.75 0.455 .0301815 4.796073
      _cons | 2.79e-08 .0001181 -0.00 0.997      0      .

```

-----

Note: 13 failures and 0 successes completely determined.

. bysort year: sum achv\_lvl if cc\_adopt1==5

-----

-----

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
achv_lvl	176	3.511364	.8070308	1	5

-----

-----

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
achv_lvl	97	3.515464	.7375834	2	5

. xi: ologit achv\_lvl i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -315.9032

Iteration 1: log likelihood = -315.90318

Ordered logistic regression                      Number of obs =     273

LR chi2(1)     =     0.00

Prob > chi2     =     0.9945

Log likelihood = -315.90318                      Pseudo R2     =     0.0000

-----						
achv_lvl	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9983687	.2356521	-0.01	0.994	.6286021	1.585646
-----+-----						
/cut1	-5.606384	1.005372			-7.576877	-3.635892
/cut2	-2.651483	.2584251			-3.157987	-2.144979
/cut3	.0947139	.148719			-.19677	.3861977
/cut4	2.129284	.2140505			1.709752	2.548815
-----						

. xi: ologit achv\_lvl i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat     \_lcomb\_stat\_1-2     (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -315.9032

Iteration 1: log likelihood = -309.52695

Iteration 2: log likelihood = -309.50053

Iteration 3: log likelihood = -309.50052

Ordered logistic regression                      Number of obs =     273

LR chi2(12)    =    12.81

Prob > chi2    =    0.3833

Log likelihood = -309.50052                      Pseudo R2     =    0.0203

-----+-----						
achv_lvl	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9524802	.2345211	-0.20	0.843	.5878573	1.543263
_lorg_size_2	.6765147	.2465723	-1.07	0.284	.3311586	1.382033
_lorg_size_3	.7948332	.3488254	-0.52	0.601	.3362888	1.878623
_lorg_size_4	.6387645	.2558004	-1.12	0.263	.2913853	1.400277
_lorg_size_5	.5608749	.2804832	-1.16	0.248	.2104727	1.494639
_lcsect1_2	.6654356	.282358	-0.96	0.337	.2896835	1.528581
_lcsect1_3	.5253034	.234525	-1.44	0.149	.2189707	1.260186
_lcsect1_4	.9755074	.3998594	-0.06	0.952	.4368416	2.178398
_lcsect1_5	.4138078	.2018149	-1.81	0.070	.1590985	1.076295
_lcsect1_6	.3291337	.1625097	-2.25	0.024	.1250523	.8662691
_lcsect1_7	.8163566	.3655125	-0.45	0.650	.3394424	1.963332
_lcomb_stat_2	.8036101	.2276795	-0.77	0.440	.4611926	1.400259
-----+-----						
/cut1	-6.591287	1.106194			-8.759386	-4.423187
/cut2	-3.626238	.5280101			-4.661119	-2.591357
/cut3	-.7997868	.4693224			-1.719642	.1200681
/cut4	1.295644	.4789804			.3568592	2.234428
-----						

. bysort year: sum unav\_mnth if cc\_adopt1==5

---

---

-> year = 1

Variable	Obs	Mean	Std. Dev.	Min	Max
<hr/>					
unav_mnth	176	5.579545	.6274045	1	6

---

---

-> year = 2

Variable	Obs	Mean	Std. Dev.	Min	Max
<hr/>					
unav_mnth	97	5.659794	.5931308	2	6

. xi: ologit unav\_mnth i.year if cc\_adopt1==5, or

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Iteration 0: log likelihood = -202.08023

Iteration 1: log likelihood = -201.3256

Iteration 2: log likelihood = -201.32491

Iteration 3: log likelihood = -201.32491

Ordered logistic regression                      Number of obs =    273

LR chi2(1)    =    1.51

Prob > chi2    =    0.2190

Log likelihood = -201.32491                      Pseudo R2        =    0.0037

---

unav_mnth   Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----					
_lyear_2   1.386561	.3714017	1.22	0.222	.8202338	2.343907
-----+-----					
/cut1   -5.501084	1.005117			-7.471076	-3.531091
/cut2   -4.804417	.7143212			-6.204461	-3.404374
/cut3   -3.876802	.4586154			-4.775672	-2.977932
/cut4   -.4828418	.155092			-.7868164	-.1788671
-----					

. xi: ologit unav\_mnth i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5, or  
i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)  
i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1     \_lcsect1\_1-7     (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat   \_lcomb\_stat\_1-2   (naturally coded; \_lcomb\_stat\_1 omitted)

Iteration 0: log likelihood = -202.08023  
Iteration 1: log likelihood = -192.50174  
Iteration 2: log likelihood = -192.40688  
Iteration 3: log likelihood = -192.40682  
Iteration 4: log likelihood = -192.40682

Ordered logistic regression                      Number of obs =     273  
   LR chi2(12)    =    19.35  
   Prob > chi2    =    0.0805  
Log likelihood = -192.40682                      Pseudo R2       =    0.0479

unav_mnth	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.395249	.3958858	1.17	0.240	.8000797	2.433158

_lorg_size_2	.7933289	.3490574	-0.53	0.599	.3349133	1.879205
_lorg_size_3	1.209185	.6523997	0.35	0.725	.4199896	3.481346
_lorg_size_4	1.065522	.5114307	0.13	0.895	.4159118	2.729753
_lorg_size_5	.2888555	.1665443	-2.15	0.031	.0933054	.8942409
_lcsect1_2	.6730498	.3241681	-0.82	0.411	.2618629	1.729898
_lcsect1_3	.6205717	.3124534	-0.95	0.343	.2313226	1.664814
_lcsect1_4	1.228238	.6130143	0.41	0.680	.4617932	3.266763
_lcsect1_5	.9412759	.5270781	-0.11	0.914	.3141065	2.8207
_lcsect1_6	.5046693	.2689485	-1.28	0.199	.177576	1.434265
_lcsect1_7	.5505018	.2778303	-1.18	0.237	.2047244	1.480294
_lcomb_stat_2	.6538939	.2065111	-1.35	0.179	.3521138	1.214316

/cut1	-6.283889	1.151925		-8.54162	-4.026159
/cut2	-5.588733	.9095707		-7.371458	-3.806007
/cut3	-4.662113	.726774		-6.086564	-3.237663
/cut4	-1.136595	.5705198		-2.254793	-.0183966

. xi: logistic cc\_exp\_a i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    273

LR chi2(1)    =    0.52

Prob > chi2    =    0.4718

Log likelihood = -180.15524                      Pseudo R2    =    0.0014

cc_exp_a	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

_lyear_2	.8291355	.2155832	-0.72	0.471	.4980867	1.380213
_cons	1.793651	.2820231	3.72	0.000	1.317953	2.441045



```

. xi: logistic cc_exp_a i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)

```

```

Logistic regression              Number of obs =    273
                                LR chi2(12)   =    11.35
                                Prob > chi2    =    0.4988
Log likelihood = -174.73708      Pseudo R2    =    0.0315

```

```

cc_exp_a | Odds Ratio Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
_lyear_2 | .9360741 .2556579  -0.24  0.809   .5480655   1.598777
_lorg_size_2 | 1.767909 .7208846   1.40  0.162   .7950105   3.931396
_lorg_size_3 | 1.959796 .9563664   1.38  0.168   .7530616   5.100246
_lorg_size_4 | 2.041756 .9152085   1.59  0.111   .848118    4.915315
_lorg_size_5 | 2.02325 1.148628   1.24  0.214   .6649824   6.155863
_lcsect1_2 | 2.80685 1.396843   2.07  0.038   1.058314    7.4443
_lcsect1_3 | 1.3912 .6640575   0.69  0.489   .5458684   3.545612
_lcsect1_4 | 1.529823 .6941022   0.94  0.349   .6286934   3.722573
_lcsect1_5 | 1.639891 .8400683   0.97  0.334   .6008547   4.475697
_lcsect1_6 | .6763811 .347709   -0.76  0.447   .2469517   1.852554
_lcsect1_7 | 1.958806 .9944374   1.32  0.185   .7241985   5.298164
_lcomb_stat_2 | 1.154326 .358948   0.46  0.644   .6275375   2.123328
_cons | .6336374 .3321891  -0.87  0.384   .2267734   1.770474

```

. xi: logistic cc\_exp\_b i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     273

LR chi2(1)     =     0.18

Prob > chi2     =     0.6745

Log likelihood = -187.59778                      Pseudo R2     =     0.0005

cc_exp_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.8987654	.2283307	-0.42	0.674	.5462598	1.478746
_cons	1.285714	.195361	1.65	0.098	.9545674	1.731739

. xi: logistic cc\_exp\_b i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat     \_lcomb\_stat\_1-2     (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =     273

LR chi2(12)     =     10.93

Prob > chi2     =     0.5349

Log likelihood = -182.22064                      Pseudo R2     =     0.0291

-----						
cc_exp_b	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9550048	.2548178	-0.17	0.863	.5660893	1.611114
_lorg_size_2	1.574147	.6384114	1.12	0.263	.7109381	3.485449

_lorg_size_3	.8311763	.3987146	-0.39	0.700	.3246178	2.128207
_lorg_size_4	1.244658	.5460919	0.50	0.618	.5267281	2.941125
_lorg_size_5	.8778806	.4809975	-0.24	0.812	.2999546	2.569303
_lcsect1_2	1.263715	.5804392	0.51	0.610	.5136677	3.108967
_lcsect1_3	1.329534	.6261622	0.60	0.545	.5282193	3.346451
_lcsect1_4	1.778659	.8094255	1.27	0.206	.7290061	4.339646
_lcsect1_5	.5796477	.2934701	-1.08	0.281	.2148864	1.563577
_lcsect1_6	1.082981	.558261	0.15	0.877	.3943109	2.974424
_lcsect1_7	1.23285	.6017393	0.43	0.668	.4736407	3.209013
_lcomb_stat_2	1.130641	.3396495	0.41	0.683	.627509	2.03718
_cons	.8663814	.4458446	-0.28	0.780	.3159921	2.375429

. xi: logistic cc\_exp\_c i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =    273

   LR chi2(1)    =    0.43

   Prob > chi2    =    0.5103

Log likelihood = -184.22066                      Pseudo R2    =    0.0012

cc_exp_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

_lyear_2	1.18419	.3038316	0.66	0.510	.7161857    1.958019
----------	---------	----------	------	-------	----------------------

_cons	.6448598	.0995647	-2.84	0.004	.4764771    .8727475
-------	----------	----------	-------	-------	----------------------

. xi: logistic cc\_exp\_c i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat      \_lcomb\_stat\_1-2      (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression                      Number of obs =      273

LR chi2(12)      =      21.49

Prob > chi2      =      0.0436

Log likelihood = -173.69027                      Pseudo R2      =      0.0583

-----+-----						
cc_exp_c	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
_lyear_2	1.228491	.3388672	0.75	0.456	.7154449	2.109442
_lorg_size_2	2.121553	.8953903	1.78	0.075	.9277027	4.851757
_lorg_size_3	.976358	.4960292	-0.05	0.962	.3607152	2.642736
_lorg_size_4	1.545237	.7065706	0.95	0.341	.6306333	3.786283
_lorg_size_5	.9351174	.5584811	-0.11	0.911	.2900696	3.014603
_lcsect1_2	.8264421	.3887337	-0.41	0.685	.3287249	2.077745
_lcsect1_3	.6642143	.3274747	-0.83	0.407	.2527226	1.745711
_lcsect1_4	1.911691	.866495	1.43	0.153	.7863238	4.647658
_lcsect1_5	.6544052	.3451962	-0.80	0.421	.2327241	1.840146
_lcsect1_6	.6111811	.3331492	-0.90	0.366	.2099848	1.778902
_lcsect1_7	1.938365	.9601249	1.34	0.181	.7341967	5.117512
_lcomb_stat_2	1.236204	.3839061	0.68	0.495	.6725858	2.272129
_cons	.393776	.2122754	-1.73	0.084	.1368946	1.132693
-----						

. xi: logistic cc\_exp\_d i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =      273

LR chi2(1)      =      1.45

Prob > chi2 = 0.2283

Log likelihood = -180.19732

Pseudo R2 = 0.0040

-----						
cc_exp_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.373512	.3640271	1.20	0.231	.8170248	2.30903
cons	1.478873	.2272288	2.55	0.011	1.094319	1.998564

. xi: logistic cc\_exp\_d i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression

Number of obs = 273

LR chi2(12) = 8.43

Prob > chi2 = 0.7509

Log likelihood = -176.70903

Pseudo R2 = 0.0233

cc_exp_d	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.27709	.3512597	0.89	0.374	.7449052	2.189484
_lorg_size_2	1.431078	.5809143	0.88	0.377	.6458577	3.170952
_lorg_size_3	2.230839	1.125303	1.59	0.112	.8300347	5.995704
_lorg_size_4	1.06775	.4678394	0.15	0.881	.4523885	2.520155
_lorg_size_5	1.258388	.6970603	0.41	0.678	.4249201	3.726676
_lcsect1_2	.5645306	.2676585	-1.21	0.228	.2229004	1.429763
_lcsect1_3	.6778739	.334974	-0.79	0.431	.2573501	1.785556

_lcsect1_4	.7039879	.3289418	-0.75	0.453	.2817326	1.759111
_lcsect1_5	.6758228	.3561183	-0.74	0.457	.2406026	1.898302
_lcsect1_6	.6691953	.3615372	-0.74	0.457	.2321056	1.929391
_lcsect1_7	1.228595	.6501906	0.39	0.697	.4354517	3.466388
_lcomb_stat_2	.9452265	.2925975	-0.18	0.856	.515281	1.733914
_cons	1.560592	.8304211	0.84	0.403	.5499823	4.42823

-----

. xi: logistic cc\_exp\_e i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression	Number of obs =	273
	LR chi2(1) =	0.12
	Prob > chi2 =	0.7316
Log likelihood = -187.62714	Pseudo R2 =	0.0003

-----

cc_exp_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
_lyear_2	1.09127	.2780234	0.34	0.732	.6623249 1.798015
_cons	1.2	.181659	1.20	0.228	.8919165 1.614501

-----

. xi: logistic cc\_exp\_e i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size    \_lorg\_size\_1-5    (naturally coded; \_lorg\_size\_1 omitted)

i.csect1      \_lcsect1\_1-7      (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

Logistic regression	Number of obs =	273
	LR chi2(12) =	13.70

Prob > chi2 = 0.3205

Log likelihood = -180.8375

Pseudo R2 = 0.0365

cc_exp_e	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	1.199538	.3243188	0.67	0.501	.7061137	2.03776
_lorg_size_2	1.826063	.7450174	1.48	0.140	.8207924	4.062547
_lorg_size_3	1.544607	.7442566	0.90	0.367	.6007219	3.971574
_lorg_size_4	2.174731	.9703873	1.74	0.082	.9069651	5.214593
_lorg_size_5	2.129728	1.189478	1.35	0.176	.7127184	6.364002
_lcsect1_2	1.896726	.8776352	1.38	0.167	.7658517	4.697476
_lcsect1_3	1.430358	.6744814	0.76	0.448	.567627	3.604346
_lcsect1_4	2.15478	.9747227	1.70	0.090	.8878892	5.229343
_lcsect1_5	.8867537	.4498366	-0.24	0.813	.3280964	2.39665
_lcsect1_6	1.861842	.9718533	1.19	0.234	.6693122	5.179134
_lcsect1_7	3.354454	1.735176	2.34	0.019	1.217072	9.245434
_lcomb_stat_2	1.005279	.3069441	0.02	0.986	.5525702	1.828883
_cons	.422222	.2220806	-1.64	0.101	.1506001	1.18374

. xi: logistic cc\_exp\_f i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

Logistic regression

Number of obs = 273

LR chi2(1) = 0.14

Prob > chi2 = 0.7107

Log likelihood = -184.36854

Pseudo R2 = 0.0004

---

cc_exp_f	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
----------	------------	-----------	---	------	----------------------	--

```

-----+-----
      _lyear_2 | .9087532  .234649  -0.37  0.711  .5478446  1.507421
      _cons | .7087379  .1084331  -2.25  0.024  .5251173  .956566
-----

```

. xi: logistic cc\_exp\_f i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year \_lyear\_1-2 (naturally coded; \_lyear\_1 omitted)  
i.org\_size \_lorg\_size\_1-5 (naturally coded; \_lorg\_size\_1 omitted)  
i.csect1 \_lcsect1\_1-7 (naturally coded; \_lcsect1\_1 omitted)  
i.comb\_stat \_lcomb\_stat\_1-2 (naturally coded; \_lcomb\_stat\_1 omitted)

```

Logistic regression              Number of obs =    273
                                LR chi2(12)   =    20.34
                                Prob > chi2    =    0.0609
Log likelihood = -174.26529      Pseudo R2    =    0.0552

```

```

-----+-----
      cc_exp_f | Odds Ratio  Std. Err.   z  P>|z|   [95% Conf. Interval]
-----+-----
      _lyear_2 | .9622002  .2654796  -0.14  0.889   .560288  1.652417
      _lorg_size_2 | 1.001037  .406308   0.00  0.998   .4518127  2.2179
      _lorg_size_3 | .3788939  .1960051  -1.88  0.061   .1374623  1.044363
      _lorg_size_4 | .9790587  .4323115  -0.05  0.962   .4120535  2.32629
      _lorg_size_5 | .4579816  .269545  -1.33  0.185   .1445019  1.451519
      _lcsect1_2 | 1.302481  .6280789   0.55  0.584   .5061828  3.351472
      _lcsect1_3 | 1.293141  .6448225   0.52  0.606   .4866264  3.436339
      _lcsect1_4 | 2.388892  1.111341   1.87  0.061   .9598588  5.945462
      _lcsect1_5 | .68554   .3774806  -0.69  0.493   .232988  2.017122
      _lcsect1_6 | 2.46198  1.325478   1.67  0.094   .8570687  7.072183
      _lcsect1_7 | 2.460334  1.237829   1.79  0.074   .9177881  6.595471
      _lcomb_stat_2 | .8945441  .2757643  -0.36  0.718   .4888761  1.636834

```



```
      _cons | .6139963 .327211 -0.92 0.360 .2160445 1.744971
-----
```

```
. xi: logistic cc_exp_g i.year if cc_adopt1==5
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
Logistic regression              Number of obs =    273
```

```
LR chi2(1)    =    0.16
```

```
Prob > chi2    =    0.6915
```

```
Log likelihood = -165.04574      Pseudo R2    =    0.0005
```

```
-----
cc_exp_g | Odds Ratio Std. Err.   z  P>|z|   [95% Conf. Interval]
-----+-----
```

```
_lyear_2 | 1.117133 .3126391   0.40 0.692   .6454892 1.933396
```

```
_cons | 2.320755 .3813248   5.12 0.000   1.681774 3.202512
-----
```

```
. xi: logistic cc_exp_g i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
```

```
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
```

```
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
```

```
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
Logistic regression              Number of obs =    273
```

```
LR chi2(12)   =   13.21
```

```
Prob > chi2    =    0.3537
```

```
Log likelihood = -158.51753      Pseudo R2    =    0.0400
```

```
-----
cc_exp_g | Odds Ratio Std. Err.   z  P>|z|   [95% Conf. Interval]
```

```

-----+-----
    _lyear_2 | 1.36787 .4070763 1.05 0.293 .7633584 2.451102
    _lorg_size_2 | .7062237 .3281477 -0.75 0.454 .2840734 1.755715
    _lorg_size_3 | .4773908 .2548182 -1.39 0.166 .1676972 1.359009
    _lorg_size_4 | .936459 .4794393 -0.13 0.898 .3433197 2.554341
    _lorg_size_5 | .3229945 .1926454 -1.89 0.058 .1003479 1.039638
    _lcsect1_2 | 1.895969 .9538873 1.27 0.204 .7072624 5.082555
    _lcsect1_3 | 2.197037 1.123646 1.54 0.124 .8063086 5.986505
    _lcsect1_4 | 1.053522 .495874 0.11 0.912 .4187915 2.650263
    _lcsect1_5 | 3.257179 1.848796 2.08 0.037 1.070764 9.908075
    _lcsect1_6 | 1.794484 1.008864 1.04 0.298 .5961997 5.401163
    _lcsect1_7 | 2.338324 1.315226 1.51 0.131 .7764855 7.041676
    _lcomb_stat_2 | 1.99045 .6650358 2.06 0.039 1.034078 3.831325
    _cons | 1.333123 .7472031 0.51 0.608 .4444055 3.999087
-----

```

. xi: logistic cc\_exp\_h i.year if cc\_adopt1==5

i.year      \_lyear\_1-2      (naturally coded; \_lyear\_1 omitted)

```

Logistic regression                      Number of obs =    273
                                         LR chi2(1)    =    0.04
                                         Prob > chi2    =   0.8430
Log likelihood = -180.39449              Pseudo R2     =   0.0001

```

```

-----+-----
    cc_exp_h | Odds Ratio Std. Err.    z   P>|z|    [95% Conf. Interval]
-----+-----
    _lyear_2 | 1.053077 .2747851    0.20 0.843    .6314681 1.756179
    _cons | .5855856 .0914594   -3.43 0.001    .4311673 .7953072
-----

```

```
. xi: logistic cc_exp_h i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat  _lcomb_stat_1-2  (naturally coded; _lcomb_stat_1 omitted)
```

```
Logistic regression              Number of obs =    273
                                LR chi2(12)   =    23.44
                                Prob > chi2    =    0.0242
Log likelihood = -168.69467      Pseudo R2    =    0.0650
```

-----+-----						
cc_exp_h	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.9450423	.2664603	-0.20	0.841	.5438134	1.6423
_lorg_size_2	1.795579	.7892006	1.33	0.183	.7587188	4.249407
_lorg_size_3	3.486718	1.804719	2.41	0.016	1.26426	9.616063
_lorg_size_4	1.719513	.8228242	1.13	0.257	.6731114	4.392622
_lorg_size_5	2.51388	1.485554	1.56	0.119	.7894692	8.004866
_lcsect1_2	1.072337	.4970005	0.15	0.880	.4323362	2.659752
_lcsect1_3	.2804796	.1412539	-2.52	0.012	.1045256	.7526269
_lcsect1_4	.7298845	.3333971	-0.69	0.491	.2981548	1.786761
_lcsect1_5	.3911883	.2063456	-1.78	0.075	.1391203	1.099971
_lcsect1_6	.1398697	.0913269	-3.01	0.003	.0388989	.502932
_lcsect1_7	.4466482	.2309525	-1.56	0.119	.1621164	1.230564
_lcomb_stat_2	.4814057	.1576432	-2.23	0.026	.2533804	.9146382
_cons	.861686	.4643457	-0.28	0.782	.2996769	2.477678

```
. xi: logistic cc_exp_i i.year if cc_adopt1==5
i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
```

```

Logistic regression              Number of obs =   273

                                LR chi2(1)   =    1.34

                                Prob > chi2   =    0.2470

Log likelihood = -80.596669      Pseudo R2   =    0.0082

```

cc_exp_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
<hr/>						
_lyear_2	.578755	.2832592	-1.12	0.264	.2217647	1.510418
_cons	.1139241	.0283405	-8.73	0.000	.0699625	.1855093

```

. xi: logistic cc_exp_i i.year i.org_size i.csect1 i.comb_stat if cc_adopt1==5

i.year      _lyear_1-2      (naturally coded; _lyear_1 omitted)
i.org_size   _lorg_size_1-5   (naturally coded; _lorg_size_1 omitted)
i.csect1     _lcsect1_1-7     (naturally coded; _lcsect1_1 omitted)
i.comb_stat   _lcomb_stat_1-2 (naturally coded; _lcomb_stat_1 omitted)

```

```

Logistic regression              Number of obs =   273

                                LR chi2(12)  =   21.08

                                Prob > chi2   =    0.0492

Log likelihood = -70.727063      Pseudo R2   =    0.1297

```

cc_exp_i	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]	
-----+-----						
_lyear_2	.5194771	.2745736	-1.24	0.215	.184356	1.463779
_lorg_size_2	1.095328	.852131	0.12	0.907	.2384166	5.032135
_lorg_size_3	.3571311	.4308053	-0.85	0.393	.0335759	3.798634
_lorg_size_4	3.876347	2.888354	1.82	0.069	.8998561	16.6983

_lorg_size_5	1.865031	1.905365	0.61	0.542	.2518118	13.81325
_lcsect1_2	.4784322	.3909777	-0.90	0.367	.0964303	2.373709
_lcsect1_3	.3684765	.3126046	-1.18	0.239	.0698676	1.943319
_lcsect1_4	1.962628	1.287042	1.03	0.304	.5428022	7.096344
_lcsect1_5	.1423925	.1739254	-1.60	0.111	.0129953	1.560227
_lcsect1_6	.2614418	.3067981	-1.14	0.253	.0262121	2.607639
_lcsect1_7	.3995766	.366435	-1.00	0.317	.0662214	2.411023
_lcomb_stat_2	.6369741	.3477675	-0.83	0.409	.2184706	1.857165
_cons	.1504558	.131146	-2.17	0.030	.0272554	.8305499

. xi: logistic cc\_exp\_j i.year if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

Logistic regression                      Number of obs =     273

LR chi2(1)     =     3.58

Prob > chi2     =     0.0586

Log likelihood = -41.094734                      Pseudo R2     =     0.0417

cc_exp_j	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]
----------	------------	-----------	---	------	----------------------

_lyear_2	.1932871	.205241	-1.55	0.122	.024119 1.548985
----------	----------	---------	-------	-------	------------------

_cons	.0538922	.0184418	-8.54	0.000	.027558 .1053914
-------	----------	----------	-------	-------	------------------

. xi: logistic cc\_exp\_j i.year i.org\_size i.csect1 i.comb\_stat if cc\_adopt1==5

i.year        \_lyear\_1-2        (naturally coded; \_lyear\_1 omitted)

i.org\_size     \_lorg\_size\_1-5     (naturally coded; \_lorg\_size\_1 omitted)

i.csect1       \_lcsect1\_1-7        (naturally coded; \_lcsect1\_1 omitted)

i.comb\_stat    \_lcomb\_stat\_1-2    (naturally coded; \_lcomb\_stat\_1 omitted)

note: \_lorg\_size\_5 != 0 predicts failure perfectly

\_lorg\_size\_5 dropped and 25 obs not used

note: \_lcsect1\_7 != 0 predicts failure perfectly

\_lcsect1\_7 dropped and 31 obs not used

Logistic regression                      Number of obs =    217  
LR chi2(10)    =    7.65  
Prob > chi2    =    0.6634  
Log likelihood = -36.716338              Pseudo R2    =    0.0943

```
-----  
cc_exp_j | Odds Ratio Std. Err.    z   P>|z|   [95% Conf. Interval]  
-----+-----  
_lyear_2 | .1946123 .2117769 -1.50 0.133   .0230618 1.642279  
_lorg_size_2 | .6163607 .5925792 -0.50 0.615   .0936431 4.056897  
_lorg_size_3 | .3364965 .458212 -0.80 0.424   .0233285 4.853709  
_lorg_size_4 | .3159254 .3613156 -1.01 0.314   .0335805 2.972223  
_lorg_size_5 |        1 (omitted)  
_lcsect1_2 | 1.210474 1.552758 0.15 0.882   .0979627 14.9572  
_lcsect1_3 | 2.588121 3.270439 0.75 0.452   .2174589 30.80293  
_lcsect1_4 | .7201032 1.05362 -0.22 0.822   .0409221 12.67161  
_lcsect1_5 | .706082 1.089861 -0.23 0.822   .0342766 14.54497  
_lcsect1_6 | 1.825214 2.77791 0.40 0.693   .0924306 36.04225  
_lcsect1_7 |        1 (omitted)  
_lcomb_stat_2 | .6634317 .5532352 -0.49 0.623   .1294136 3.401046  
_cons | .1142553 .147908 -1.68 0.094   .0090357 1.444741  
-----
```

end of do-file

. log close

name: <unnamed>

log: C:\Users\Ahmad\Statistical Output for Chapter.4.log

log type: text

closed on: 21 Feb 2015, 17:00:27

-----  
-----