

```

REGRESSION
/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 1
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT D
/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

### Notes

Output Created		29-OCT-2012 15:27:26
Comments		
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	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

### Notes

Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 1 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT D /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).
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	Required for Residual Plots	

[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledata  
OUTLIERSREMOVED.sav

### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	N
D	8.09	9.836	151
muminstrumental	2.9095	1.18568	151
dadinstrumental	2.9823	1.26127	151
sibinstrumental	2.1876	1.15635	151
relativeinstrumental	1.9117	1.02827	151
romanticinstrumental	3.0530	1.33116	151
samesexinstrumental	2.7506	.93033	151
othersexinstrumental	2.2230	1.06786	151
extrainstrumental	1.8057	1.38423	151

a. Selecting only cases for which Sex = 1

**Correlations<sup>a</sup>**

		D	muminstrumental	dadinstrumental
Pearson Correlation	D	1.000	.061	.089
	muminstrumental	.061	1.000	.633
	dadinstrumental	.089	.633	1.000
	sibinstrumental	.256	.337	.289
	relativeinstrumental	.037	.475	.385
	romanticinstrumental	-.136	.001	.100
	samesexinstrumental	-.106	.301	.204
	othersexinstrumental	.010	.275	.149
	extrainstrumental	.023	.192	.140
Sig. (1-tailed)	D	.	.228	.138
	muminstrumental	.228	.	.000
	dadinstrumental	.138	.000	.
	sibinstrumental	.001	.000	.000
	relativeinstrumental	.325	.000	.000
	romanticinstrumental	.048	.494	.110
	samesexinstrumental	.098	.000	.006
	othersexinstrumental	.453	.000	.034
	extrainstrumental	.389	.009	.043
N	D	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		sibinstrumental	relativeinstrumental	romanticinstrumental
Pearson Correlation	D	.256	.037	-.136
	muminstrumental	.337	.475	.001
	dadinstrumental	.289	.385	.100
	sibinstrumental	1.000	.265	.209
	relativeinstrumental	.265	1.000	.104
	romanticinstrumental	.209	.104	1.000
	samesexinstrumental	.310	.247	.095
	othersexinstrumental	.270	.316	-.065
	extrainstrumental	.123	.321	.073
Sig. (1-tailed)	D	.001	.325	.048
	muminstrumental	.000	.000	.494
	dadinstrumental	.000	.000	.110
	sibinstrumental	.	.001	.005
	relativeinstrumental	.001	.	.103
	romanticinstrumental	.005	.103	.
	samesexinstrumental	.000	.001	.123
	othersexinstrumental	.000	.000	.213
	extrainstrumental	.066	.000	.187
N	D	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	D	-.106	.010	.023
	muminstrumental	.301	.275	.192
	dadinstrumental	.204	.149	.140
	sibinstrumental	.310	.270	.123
	relativeinstrumental	.247	.316	.321
	romanticinstrumental	.095	-.065	.073
	samesexinstrumental	1.000	.554	.288
	othersexinstrumental	.554	1.000	.408
	extrainstrumental	.288	.408	1.000
Sig. (1-tailed)	D	.098	.453	.389
	muminstrumental	.000	.000	.009
	dadinstrumental	.006	.034	.043
	sibinstrumental	.000	.000	.066
	relativeinstrumental	.001	.000	.000
	romanticinstrumental	.123	.213	.187
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	D	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

a. Selecting only cases for which Sex = 1

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental <sup>c</sup>	.	Enter
2	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
3	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	muminstrumental	Backward (criterion: Probability of F-to-remove >= .100).
5	.	dadinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
6	.	extrainstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: D

b. Models are based only on cases for which Sex = 1

c. All requested variables entered.

**Model Summary<sup>g,h</sup>**

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Sex = 1 (Selected)	Sex ~= 1 (Unselected)			
1	.381 <sup>a</sup>		.145	.097	9.348
2	.381 <sup>b</sup>		.145	.103	9.315
3	.381 <sup>c</sup>		.145	.109	9.283
4	.379 <sup>d</sup>		.144	.114	9.259
5	.376 <sup>e</sup>		.142	.118	9.237
6	.373 <sup>f</sup>	.	.139	.121	9.220

**Model Summary<sup>g,h</sup>**

Model	Change Statistics				
	R Square Change	F Change	df1	df2	Sig. F Change
1	.145	3.011	8	142	.004
2	.000	.000	1	142	1.000
3	.000	.006	1	143	.937
4	-.001	.248	1	144	.619
5	-.002	.325	1	145	.570
6	-.003	.466	1	146	.496

- a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental
- b. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, muminstrumental
- c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental
- d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental
- e. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental
- f. Predictors: (Constant), romanticinstrumental, samesexinstrumental, sibinstrumental
- g. Unless noted otherwise, statistics are based only on cases for which Sex = 1.
- h. Dependent Variable: D

ANOVA<sup>a,b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2105.058	8	263.132	3.011	.004 <sup>c</sup>
	Residual	12407.644	142	87.378		
	Total	14512.702	150			
2	Regression	2105.058	7	300.723	3.466	.002 <sup>d</sup>
	Residual	12407.644	143	86.767		
	Total	14512.702	150			
3	Regression	2104.519	6	350.753	4.071	.001 <sup>e</sup>
	Residual	12408.183	144	86.168		
	Total	14512.702	150			
4	Regression	2083.157	5	416.631	4.860	.000 <sup>f</sup>
	Residual	12429.545	145	85.721		
	Total	14512.702	150			
5	Regression	2055.325	4	513.831	6.022	.000 <sup>g</sup>
	Residual	12457.377	146	85.324		
	Total	14512.702	150			
6	Regression	2015.602	3	671.867	7.903	.000 <sup>h</sup>
	Residual	12497.100	147	85.014		
	Total	14512.702	150			

a. Dependent Variable: D

b. Selecting only cases for which Sex = 1

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, muminstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental

f. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental

g. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

h. Predictors: (Constant), romanticinstrumental, samesexinstrumental, sibinstrumental

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	11.022	3.209		3.435	.001
	muminstrumental	-.413	.911	-.050	-.453	.651
	dadinstrumental	.598	.797	.077	.750	.455
	sibinstrumental	3.007	.747	.354	4.026	.000
	relativeinstrumental	-.070	.897	-.007	-.078	.938
	romanticinstrumental	-1.481	.605	-.200	-2.446	.016
	samesexinstrumental	-2.237	1.025	-.212	-2.182	.031
	othersexinstrumental	.000	.938	.000	.000	1.000
	extrainstrumental	.399	.624	.056	.639	.524
2	(Constant)	11.022	3.167		3.480	.001
	muminstrumental	-.413	.908	-.050	-.455	.650
	dadinstrumental	.598	.793	.077	.754	.452
	sibinstrumental	3.007	.738	.354	4.073	.000
	relativeinstrumental	-.070	.886	-.007	-.079	.937
	romanticinstrumental	-1.481	.592	-.200	-2.500	.014
	samesexinstrumental	-2.237	.909	-.212	-2.462	.015
	extrainstrumental	.398	.596	.056	.668	.505
3	(Constant)	11.012	3.154		3.492	.001
	muminstrumental	-.433	.869	-.052	-.498	.619
	dadinstrumental	.591	.786	.076	.753	.453
	sibinstrumental	3.003	.734	.353	4.093	.000
	romanticinstrumental	-1.484	.589	-.201	-2.520	.013
	samesexinstrumental	-2.240	.905	-.212	-2.475	.014
	extrainstrumental	.387	.576	.054	.671	.503
4	(Constant)	10.703	3.084		3.471	.001
	dadinstrumental	.361	.634	.046	.570	.570
	sibinstrumental	2.938	.720	.345	4.080	.000
	romanticinstrumental	-1.444	.582	-.195	-2.482	.014
	samesexinstrumental	-2.313	.891	-.219	-2.596	.010
	extrainstrumental	.363	.573	.051	.634	.527
5	(Constant)	11.350	2.860		3.969	.000
	sibinstrumental	3.033	.699	.357	4.338	.000
	romanticinstrumental	-1.432	.580	-.194	-2.469	.015
	samesexinstrumental	-2.262	.884	-.214	-2.557	.012
	extrainstrumental	.389	.570	.055	.682	.496
6	(Constant)	11.535	2.842		4.059	.000
	sibinstrumental	3.046	.698	.358	4.367	.000
	romanticinstrumental	-1.416	.579	-.192	-2.447	.016
	samesexinstrumental	-2.103	.852	-.199	-2.469	.015

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	.061	-.038	-.035	.499	2.005
	dadinstrumental	.089	.063	.058	.576	1.735
	sibinstrumental	.256	.320	.312	.781	1.281
	relativeinstrumental	.037	-.007	-.006	.685	1.461
	romanticinstrumental	-.136	-.201	-.190	.897	1.115
	samesexinstrumental	-.106	-.180	-.169	.640	1.561
	othersexinstrumental	.010	.000	.000	.580	1.724
	extrainstrumental	.023	.054	.050	.782	1.279
2	(Constant)					
	muminstrumental	.061	-.038	-.035	.500	2.002
	dadinstrumental	.089	.063	.058	.579	1.728
	sibinstrumental	.256	.322	.315	.794	1.260
	relativeinstrumental	.037	-.007	-.006	.697	1.435
	romanticinstrumental	-.136	-.205	-.193	.931	1.074
	samesexinstrumental	-.106	-.202	-.190	.809	1.236
	extrainstrumental	.023	.056	.052	.849	1.178
3	(Constant)					
	muminstrumental	.061	-.041	-.038	.541	1.850
	dadinstrumental	.089	.063	.058	.585	1.709
	sibinstrumental	.256	.323	.315	.798	1.253
	romanticinstrumental	-.136	-.205	-.194	.935	1.070
	samesexinstrumental	-.106	-.202	-.191	.810	1.234
	extrainstrumental	.023	.056	.052	.902	1.108
4	(Constant)					
	dadinstrumental	.089	.047	.044	.895	1.117
	sibinstrumental	.256	.321	.314	.824	1.213
	romanticinstrumental	-.136	-.202	-.191	.952	1.050
	samesexinstrumental	-.106	-.211	-.199	.832	1.202
	extrainstrumental	.023	.053	.049	.909	1.100
5	(Constant)					
	sibinstrumental	.256	.338	.333	.870	1.149
	romanticinstrumental	-.136	-.200	-.189	.954	1.049
	samesexinstrumental	-.106	-.207	-.196	.840	1.190
	extrainstrumental	.023	.056	.052	.914	1.094
6	(Constant)					
	sibinstrumental	.256	.339	.334	.871	1.148
	romanticinstrumental	-.136	-.198	-.187	.955	1.047
	samesexinstrumental	-.106	-.200	-.189	.903	1.108

a. Dependent Variable: D

b. Selecting only cases for which Sex = 1

**Collinearity Diagnostics<sup>a,b</sup>**

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrumental	dadinstrumental
1	1	7.894	1.000	.00	.00	.00
	2	.324	4.935	.00	.00	.01
	3	.198	6.317	.01	.05	.04
	4	.172	6.771	.00	.00	.03
	5	.142	7.448	.03	.00	.00
	6	.122	8.058	.00	.06	.18
	7	.057	11.721	.12	.03	.23
	8	.049	12.757	.01	.82	.49
	9	.042	13.641	.83	.03	.01
2	1	7.024	1.000	.00	.00	.00
	2	.315	4.724	.00	.00	.01
	3	.198	5.960	.01	.05	.04
	4	.151	6.825	.01	.00	.01
	5	.126	7.474	.02	.05	.09
	6	.095	8.589	.04	.01	.21
	7	.049	11.981	.00	.85	.62
	8	.043	12.833	.92	.04	.01
3	1	6.170	1.000	.00	.00	.00
	2	.314	4.436	.00	.00	.01
	3	.177	5.898	.00	.10	.09
	4	.149	6.434	.02	.01	.05
	5	.097	7.981	.05	.00	.14
	6	.050	11.102	.00	.85	.69
	7	.043	12.022	.92	.03	.02
4	1	5.263	1.000	.00		.00
	2	.310	4.122	.00		.01
	3	.155	5.832	.01		.01
	4	.133	6.292	.01		.50
	5	.096	7.398	.05		.36
	6	.043	11.078	.92		.11
5	1	4.388	1.000	.00		
	2	.303	3.803	.01		
	3	.154	5.334	.02		
	4	.109	6.352	.08		
	5	.046	9.777	.89		
6	1	3.683	1.000	.00		
	2	.154	4.884	.02		
	3	.116	5.635	.06		
	4	.046	8.941	.92		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
1	1	.00	.00	.00	.00
	2	.03	.00	.03	.00
	3	.01	.18	.32	.00
	4	.14	.09	.15	.04
	5	.79	.01	.01	.04
	6	.00	.65	.04	.00
	7	.00	.01	.19	.34
	8	.01	.05	.11	.11
	9	.01	.00	.15	.46
2	1	.00	.00	.00	.00
	2	.03	.00	.02	.00
	3	.02	.20	.31	.01
	4	.84	.03	.15	.00
	5	.05	.67	.10	.05
	6	.03	.06	.15	.44
	7	.00	.04	.05	.07
	8	.02	.00	.21	.43
3	1	.00		.00	.00
	2	.03		.01	.00
	3	.00		.48	.00
	4	.91		.06	.00
	5	.04		.19	.50
	6	.01		.05	.06
	7	.02		.21	.44
4	1	.01		.00	.00
	2	.04		.03	.00
	3	.58		.44	.00
	4	.34		.22	.01
	5	.03		.13	.48
	6	.01		.17	.50
5	1	.01		.01	.00
	2	.06		.04	.00
	3	.72		.36	.00
	4	.21		.40	.34
	5	.00		.18	.65
6	1	.01		.01	.01
	2	.76		.33	.00
	3	.22		.47	.33
	4	.00		.19	.67

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.01	.65
	3	.00	.03
	4	.23	.08
	5	.08	.10
	6	.04	.12
	7	.58	.01
	8	.04	.00
	9	.02	.00
2	1		.00
	2		.83
	3		.03
	4		.02
	5		.02
	6		.09
	7		.00
	8		.00
3	1		.01
	2		.91
	3		.00
	4		.01
	5		.07
	6		.00
	7		.01
4	1		.01
	2		.90
	3		.00
	4		.02
	5		.06
	6		.01
5	1		.01
	2		.88
	3		.00
	4		.10
	5		.00
6	1		
	2		
	3		
	4		

a. Dependent Variable: D

b. Selecting only cases for which Sex = 1

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial Correlation	Collinearity
						Tolerance
2	othersexinstrumental	.000 <sup>b</sup>	.000	1.000	.000	.580
3	othersexinstrumental	-.001 <sup>c</sup>	-.011	.991	-.001	.590
	relativeinstrumental	-.007 <sup>c</sup>	-.079	.937	-.007	.697
4	othersexinstrumental	-.005 <sup>d</sup>	-.051	.960	-.004	.594
	relativeinstrumental	-.019 <sup>d</sup>	-.213	.832	-.018	.754
	muminstrumental	-.052 <sup>d</sup>	-.498	.619	-.041	.541
5	othersexinstrumental	-.005 <sup>e</sup>	-.053	.958	-.004	.594
	relativeinstrumental	-.002 <sup>e</sup>	-.027	.979	-.002	.834
	muminstrumental	-.006 <sup>e</sup>	-.068	.946	-.006	.827
	dadinstrumental	.046 <sup>e</sup>	.570	.570	.047	.895
6	othersexinstrumental	.016 <sup>f</sup>	.169	.866	.014	.663
	relativeinstrumental	.013 <sup>f</sup>	.156	.876	.013	.898
	muminstrumental	.001 <sup>f</sup>	.010	.992	.001	.838
	dadinstrumental	.050 <sup>f</sup>	.623	.534	.051	.901
	extrainstrumental	.055 <sup>f</sup>	.682	.496	.056	.914

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	othersexinstrumental	1.724	.499
3	othersexinstrumental	1.694	.537
	relativeinstrumental	1.435	.500
4	othersexinstrumental	1.683	.594
	relativeinstrumental	1.326	.754
	muminstrumental	1.850	.541
5	othersexinstrumental	1.683	.594
	relativeinstrumental	1.199	.830
	muminstrumental	1.209	.803
	dadinstrumental	1.117	.824
6	othersexinstrumental	1.508	.657
	relativeinstrumental	1.114	.839
	muminstrumental	1.193	.803
	dadinstrumental	1.110	.824
	extrainstrumental	1.094	.840

- a. Dependent Variable: D
- b. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, muminstrumental
- c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental
- d. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental
- e. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

#### Casewise Diagnostics<sup>a</sup>

Case Number	Std. Residual	D	Predicted Value	Residual	Status
44	3.778	39	4.17	34.832	
124	4.165	40	1.59	38.407	X <sup>b</sup>
146	3.899	36	.05	35.951	X <sup>b</sup>
149	3.925	40	3.81	36.190	X <sup>b</sup>
175	3.788	42	7.07	34.928	X <sup>b</sup>
227	3.359	37	6.03	30.972	X <sup>b</sup>
382	3.667	35	1.19	33.807	
397	3.212	37	7.39	29.614	X <sup>b</sup>
424	3.543	41	8.33	32.670	X <sup>b</sup>
513	3.557	40	7.20	32.799	X <sup>b</sup>
527	3.429	39	7.39	31.614	X <sup>b</sup>
567	3.065	29	.74	28.264	X <sup>b</sup>

- a. Dependent Variable: D
- b. Sex ~= 1 (Unselected)

#### Residuals Statistics<sup>a,b</sup>

	Sex = 1 (Selected)					Sex ~= 1
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	-1.37	20.22	8.09	3.666	151	-3.01
Residual	-12.864	34.832	.000	9.128	151	-19.130
Std. Predicted Value	-2.581	3.307	.000	1.000	151	-3.029
Std. Residual	-1.395	3.778	.000	.990	151	-2.075

#### Residuals Statistics<sup>a,b</sup>

	Sex ~= 1 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	21.16	8.03	4.229	417
Residual	38.407	-.168	10.234	417
Std. Predicted Value	3.565	-.017	1.154	417
Std. Residual	4.165	-.018	1.110	417

- a. Dependent Variable: D
- b. Pooled Cases

```

REGRESSION
/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 1
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT A
/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

### Notes

Output Created		29-OCT-2012 15:28:19
Comments		
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	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

### Notes

Syntax	REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 1 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT A /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).	
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	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledata  
OUTLIERSREMOVED.sav

### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	N
A	5.81	6.936	151
muminstrumental	2.9095	1.18568	151
dadinstrumental	2.9823	1.26127	151
sibinstrumental	2.1876	1.15635	151
relativeinstrumental	1.9117	1.02827	151
romanticinstrumental	3.0530	1.33116	151
samesexinstrumental	2.7506	.93033	151
othersexinstrumental	2.2230	1.06786	151
extrainstrumental	1.8057	1.38423	151

a. Selecting only cases for which Sex = 1

**Correlations<sup>a</sup>**

		A	muminstrumental	dadinstrumental
Pearson Correlation	A	1.000	.171	.157
	muminstrumental	.171	1.000	.633
	dadinstrumental	.157	.633	1.000
	sibinstrumental	.219	.337	.289
	relativeinstrumental	.122	.475	.385
	romanticinstrumental	-.101	.001	.100
	samesexinstrumental	-.021	.301	.204
	othersexinstrumental	.071	.275	.149
	extrainstrumental	.197	.192	.140
Sig. (1-tailed)	A	.	.018	.027
	muminstrumental	.018	.	.000
	dadinstrumental	.027	.000	.
	sibinstrumental	.004	.000	.000
	relativeinstrumental	.068	.000	.000
	romanticinstrumental	.109	.494	.110
	samesexinstrumental	.397	.000	.006
	othersexinstrumental	.192	.000	.034
	extrainstrumental	.008	.009	.043
N	A	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		sibinstrumental	relativeinstrumental	romanticinstrumental
Pearson Correlation	A	.219	.122	-.101
	muminstrumental	.337	.475	.001
	dadinstrumental	.289	.385	.100
	sibinstrumental	1.000	.265	.209
	relativeinstrumental	.265	1.000	.104
	romanticinstrumental	.209	.104	1.000
	samesexinstrumental	.310	.247	.095
	othersexinstrumental	.270	.316	-.065
	extrainstrumental	.123	.321	.073
Sig. (1-tailed)	A	.004	.068	.109
	muminstrumental	.000	.000	.494
	dadinstrumental	.000	.000	.110
	sibinstrumental	.	.001	.005
	relativeinstrumental	.001	.	.103
	romanticinstrumental	.005	.103	.
	samesexinstrumental	.000	.001	.123
	othersexinstrumental	.000	.000	.213
	extrainstrumental	.066	.000	.187
N	A	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	A	-.021	.071	.197
	muminstrumental	.301	.275	.192
	dadinstrumental	.204	.149	.140
	sibinstrumental	.310	.270	.123
	relativeinstrumental	.247	.316	.321
	romanticinstrumental	.095	-.065	.073
	samesexinstrumental	1.000	.554	.288
	othersexinstrumental	.554	1.000	.408
	extrainstrumental	.288	.408	1.000
Sig. (1-tailed)	A	.397	.192	.008
	muminstrumental	.000	.000	.009
	dadinstrumental	.006	.034	.043
	sibinstrumental	.000	.000	.066
	relativeinstrumental	.001	.000	.000
	romanticinstrumental	.123	.213	.187
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	A	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

a. Selecting only cases for which Sex = 1

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental <sup>c</sup>	.	Enter
2	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
3	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	muminstrumental	Backward (criterion: Probability of F-to-remove >= .100).
5	.	dadinstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: A

b. Models are based only on cases for which Sex = 1

c. All requested variables entered.

**Model Summary<sup>f,g</sup>**

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Sex = 1 (Selected)	Sex ~= 1 (Unselected)			
1	.366 <sup>a</sup>		.134	.086	6.633
2	.366 <sup>b</sup>		.134	.092	6.610
3	.366 <sup>c</sup>		.134	.098	6.589
4	.363 <sup>d</sup>		.132	.102	6.573
5	.349 <sup>e</sup>	.011	.122	.098	6.588

**Model Summary<sup>f,g</sup>**

Model	Change Statistics				
	R Square Change	F Change	df1	df2	Sig. F Change
1	.134	2.754	8	142	.007
2	.000	.000	1	142	.983
3	-.001	.103	1	143	.748
4	-.002	.273	1	144	.602
5	-.010	1.662	1	145	.199

a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental

b. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

f. Unless noted otherwise, statistics are based only on cases for which Sex = 1.

g. Dependent Variable: A

**ANOVA<sup>a,b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	969.269	8	121.159	2.754	.007 <sup>c</sup>
	Residual	6247.539	142	43.997		
	Total	7216.808	150			
2	Regression	969.248	7	138.464	3.169	.004 <sup>d</sup>
	Residual	6247.560	143	43.689		
	Total	7216.808	150			
3	Regression	964.733	6	160.789	3.703	.002 <sup>e</sup>
	Residual	6252.075	144	43.417		
	Total	7216.808	150			
4	Regression	952.859	5	190.572	4.411	.001 <sup>f</sup>
	Residual	6263.948	145	43.200		
	Total	7216.808	150			
5	Regression	881.046	4	220.262	5.076	.001 <sup>g</sup>
	Residual	6335.762	146	43.396		
	Total	7216.808	150			

a. Dependent Variable: A

b. Selecting only cases for which Sex = 1

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental

f. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental

g. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.773	2.277		2.096	.038
	muminstrumental	.342	.647	.059	.529	.597
	dadinstrumental	.401	.566	.073	.708	.480
	sibinstrumental	1.458	.530	.243	2.751	.007
	relativeinstrumental	-.014	.637	-.002	-.022	.983
	romanticinstrumental	-.842	.430	-.162	-1.960	.052
	samesexinstrumental	-1.177	.727	-.158	-1.618	.108
	othersexinstrumental	-.210	.666	-.032	-.315	.753
	extrainstrumental	1.086	.442	.217	2.454	.015
2	(Constant)	4.772	2.269		2.103	.037
	muminstrumental	.339	.621	.058	.545	.586
	dadinstrumental	.399	.560	.073	.713	.477
	sibinstrumental	1.457	.527	.243	2.764	.006
	romanticinstrumental	-.843	.426	-.162	-1.977	.050
	samesexinstrumental	-1.176	.725	-.158	-1.623	.107
	othersexinstrumental	-.211	.658	-.033	-.321	.748
	extrainstrumental	1.084	.433	.216	2.506	.013
3	(Constant)	4.668	2.239		2.085	.039
	muminstrumental	.323	.617	.055	.523	.602
	dadinstrumental	.408	.558	.074	.732	.465
	sibinstrumental	1.434	.521	.239	2.754	.007
	romanticinstrumental	-.818	.418	-.157	-1.957	.052
	samesexinstrumental	-1.283	.642	-.172	-1.997	.048
	extrainstrumental	1.040	.409	.208	2.542	.012
4	(Constant)	4.899	2.189		2.238	.027
	dadinstrumental	.580	.450	.105	1.289	.199
	sibinstrumental	1.482	.511	.247	2.900	.004
	romanticinstrumental	-.848	.413	-.163	-2.052	.042
	samesexinstrumental	-1.229	.632	-.165	-1.942	.054
	extrainstrumental	1.058	.407	.211	2.601	.010
5	(Constant)	5.940	2.039		2.912	.004
	sibinstrumental	1.634	.499	.272	3.278	.001
	romanticinstrumental	-.829	.414	-.159	-2.003	.047
	samesexinstrumental	-1.147	.631	-.154	-1.819	.071
	extrainstrumental	1.099	.406	.219	2.705	.008

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	.171	.044	.041	.499	2.005
	dadinstrumental	.157	.059	.055	.576	1.735
	sibinstrumental	.219	.225	.215	.781	1.281
	relativeinstrumental	.122	-.002	-.002	.685	1.461
	romanticinstrumental	-.101	-.162	-.153	.897	1.115
	samesexinstrumental	-.021	-.135	-.126	.640	1.561
	othersexinstrumental	.071	-.026	-.025	.580	1.724
	extrainstrumental	.197	.202	.192	.782	1.279
2	(Constant)					
	muminstrumental	.171	.046	.042	.537	1.862
	dadinstrumental	.157	.059	.055	.584	1.714
	sibinstrumental	.219	.225	.215	.784	1.276
	romanticinstrumental	-.101	-.163	-.154	.904	1.106
	samesexinstrumental	-.021	-.135	-.126	.641	1.560
	othersexinstrumental	.071	-.027	-.025	.590	1.694
	extrainstrumental	.197	.205	.195	.812	1.231
3	(Constant)					
	muminstrumental	.171	.044	.041	.541	1.850
	dadinstrumental	.157	.061	.057	.585	1.709
	sibinstrumental	.219	.224	.214	.798	1.253
	romanticinstrumental	-.101	-.161	-.152	.935	1.070
	samesexinstrumental	-.021	-.164	-.155	.810	1.234
	extrainstrumental	.197	.207	.197	.902	1.108
4	(Constant)					
	dadinstrumental	.157	.106	.100	.895	1.117
	sibinstrumental	.219	.234	.224	.824	1.213
	romanticinstrumental	-.101	-.168	-.159	.952	1.050
	samesexinstrumental	-.021	-.159	-.150	.832	1.202
	extrainstrumental	.197	.211	.201	.909	1.100
5	(Constant)					
	sibinstrumental	.219	.262	.254	.870	1.149
	romanticinstrumental	-.101	-.164	-.155	.954	1.049
	samesexinstrumental	-.021	-.149	-.141	.840	1.190
	extrainstrumental	.197	.218	.210	.914	1.094

a. Dependent Variable: A

b. Selecting only cases for which Sex = 1

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrum ental	dadinstrum ental
1	1	7.894	1.000	.00	.00	.00
	2	.324	4.935	.00	.00	.01
	3	.198	6.317	.01	.05	.04
	4	.172	6.771	.00	.00	.03
	5	.142	7.448	.03	.00	.00
	6	.122	8.058	.00	.06	.18
	7	.057	11.721	.12	.03	.23
	8	.049	12.757	.01	.82	.49
	9	.042	13.641	.83	.03	.01
2	1	7.040	1.000	.00	.00	.00
	2	.324	4.662	.00	.01	.01
	3	.184	6.180	.00	.05	.02
	4	.160	6.641	.00	.08	.17
	5	.142	7.050	.03	.00	.00
	6	.058	11.023	.13	.01	.15
	7	.050	11.874	.01	.83	.63
	8	.042	12.882	.83	.02	.01
3	1	6.170	1.000	.00	.00	.00
	2	.314	4.436	.00	.00	.01
	3	.177	5.898	.00	.10	.09
	4	.149	6.434	.02	.01	.05
	5	.097	7.981	.05	.00	.14
	6	.050	11.102	.00	.85	.69
	7	.043	12.022	.92	.03	.02
4	1	5.263	1.000	.00		.00
	2	.310	4.122	.00		.01
	3	.155	5.832	.01		.01
	4	.133	6.292	.01		.50
	5	.096	7.398	.05		.36
	6	.043	11.078	.92		.11
5	1	4.388	1.000	.00		
	2	.303	3.803	.01		
	3	.154	5.334	.02		
	4	.109	6.352	.08		
	5	.046	9.777	.89		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
1	1	.00	.00	.00	.00
	2	.03	.00	.03	.00
	3	.01	.18	.32	.00
	4	.14	.09	.15	.04
	5	.79	.01	.01	.04
	6	.00	.65	.04	.00
	7	.00	.01	.19	.34
	8	.01	.05	.11	.11
	9	.01	.00	.15	.46
2	1	.00		.00	.00
	2	.03		.03	.00
	3	.01		.50	.00
	4	.23		.00	.02
	5	.70		.02	.05
	6	.00		.23	.38
	7	.01		.08	.08
	8	.01		.15	.47
3	1	.00		.00	.00
	2	.03		.01	.00
	3	.00		.48	.00
	4	.91		.06	.00
	5	.04		.19	.50
	6	.01		.05	.06
	7	.02		.21	.44
4	1	.01		.00	.00
	2	.04		.03	.00
	3	.58		.44	.00
	4	.34		.22	.01
	5	.03		.13	.48
	6	.01		.17	.50
5	1	.01		.01	.00
	2	.06		.04	.00
	3	.72		.36	.00
	4	.21		.40	.34
	5	.00		.18	.65

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.01	.65
	3	.00	.03
	4	.23	.08
	5	.08	.10
	6	.04	.12
	7	.58	.01
	8	.04	.00
	9	.02	.00
2	1	.00	.00
	2	.02	.69
	3	.08	.06
	4	.15	.07
	5	.12	.15
	6	.61	.02
	7	.01	.00
	8	.02	.00
3	1		.01
	2		.91
	3		.00
	4		.01
	5		.07
	6		.00
	7		.01
4	1		.01
	2		.90
	3		.00
	4		.02
	5		.06
	6		.01
5	1		.01
	2		.88
	3		.00
	4		.10
	5		.00

a. Dependent Variable: A

b. Selecting only cases for which Sex = 1

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial Correlation	Collinearity
						Tolerance
2	relativeinstrumental	-.002 <sup>b</sup>	-.022	.983	-.002	.685
3	relativeinstrumental	-.006 <sup>c</sup>	-.064	.949	-.005	.697
	othersexinstrumental	-.033 <sup>c</sup>	-.321	.748	-.027	.590
4	relativeinstrumental	.007 <sup>d</sup>	.082	.935	.007	.754
	othersexinstrumental	-.028 <sup>d</sup>	-.279	.780	-.023	.594
	muminstrumental	.055 <sup>d</sup>	.523	.602	.044	.541
5	relativeinstrumental	.040 <sup>e</sup>	.475	.635	.039	.834
	othersexinstrumental	-.029 <sup>e</sup>	-.283	.777	-.024	.594
	muminstrumental	.101 <sup>e</sup>	1.182	.239	.098	.827
	dadinstrumental	.105 <sup>e</sup>	1.289	.199	.106	.895

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	relativeinstrumental	1.461	.499
3	relativeinstrumental	1.435	.500
	othersexinstrumental	1.694	.537
4	relativeinstrumental	1.326	.754
	othersexinstrumental	1.683	.594
	muminstrumental	1.850	.541
5	relativeinstrumental	1.199	.830
	othersexinstrumental	1.683	.594
	muminstrumental	1.209	.803
	dadinstrumental	1.117	.824

a. Dependent Variable: A

b. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, muminstrumental

d. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental

e. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental,

### Casewise Diagnostics<sup>a</sup>

Case Number	Status	Std. Residual	A	Predicted Value	Residual
124	X <sup>b</sup>	3.137	26	5.34	20.663
130	X <sup>b</sup>	3.415	26	3.50	22.495
136	X <sup>b</sup>	3.331	26	4.06	21.943
138	X <sup>b</sup>	3.005	30	10.20	19.798
146	X <sup>b</sup>	5.537	36	-.48	36.476
149	X <sup>b</sup>	3.016	23	3.14	19.865
175	X <sup>b</sup>	3.955	33	6.94	26.055
224	X <sup>b</sup>	3.095	28	7.61	20.390
227	X <sup>b</sup>	3.576	28	4.44	23.560
292	X <sup>b</sup>	3.558	30	6.56	23.438
382		3.670	26	1.82	24.179
397	X <sup>b</sup>	4.538	37	7.11	29.893
400	X <sup>b</sup>	4.646	37	6.39	30.605
412		3.119	23	2.45	20.548
481		4.241	36	8.06	27.941
527	X <sup>b</sup>	3.576	27	3.44	23.557
557		3.775	37	12.13	24.871
567	X <sup>b</sup>	4.411	30	.94	29.059

a. Dependent Variable: A

b. Sex ~= 1 (Unselected)

### Residuals Statistics<sup>a,b</sup>

	Sex = 1 (Selected)					Sex ~= 1 .
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	1.15	14.96	5.81	2.424	151	-2.24
Residual	-10.618	27.941	.000	6.499	151	-13.107
Std. Predicted Value	-1.925	3.774	.000	1.000	151	-3.323
Std. Residual	-1.612	4.241	.000	.987	151	-1.990

### Residuals Statistics<sup>a,b</sup>

	Sex ~= 1 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	15.45	6.17	2.758	417
Residual	36.476	.698	8.034	417
Std. Predicted Value	3.975	.149	1.138	417
Std. Residual	5.537	.106	1.220	417

a. Dependent Variable: A

b. Pooled Cases

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 1
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT S
/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

### Notes

Output Created		29-OCT-2012 15:29:24
Comments		
Input	Data	\\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledataOUTLIERS REMOVED.sav
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 1 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT S /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).

**Notes**

Resources	Processor Time	00:00:00.06
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	Memory Required	6356 bytes
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[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledata  
OUTLIERSREMOVED.sav

**Descriptive Statistics<sup>a</sup>**

	Mean	Std. Deviation	N
S	11.25	9.423	151
muminstrumental	2.9095	1.18568	151
dadinstrumental	2.9823	1.26127	151
sibinstrumental	2.1876	1.15635	151
relativeinstrumental	1.9117	1.02827	151
romanticinstrumental	3.0530	1.33116	151
samesexinstrumental	2.7506	.93033	151
othersexinstrumental	2.2230	1.06786	151
extrainstrumental	1.8057	1.38423	151

a. Selecting only cases for which Sex = 1

**Correlations<sup>a</sup>**

		S	muminstrumental	dadinstrumental
Pearson Correlation	S	1.000	.042	.010
	muminstrumental	.042	1.000	.633
	dadinstrumental	.010	.633	1.000
	sibinstrumental	.132	.337	.289
	relativeinstrumental	.052	.475	.385
	romanticinstrumental	-.167	.001	.100
	samesexinstrumental	-.110	.301	.204
	othersexinstrumental	.005	.275	.149
	extrainstrumental	.160	.192	.140
Sig. (1-tailed)	S	.	.304	.451
	muminstrumental	.304	.	.000
	dadinstrumental	.451	.000	.
	sibinstrumental	.053	.000	.000
	relativeinstrumental	.265	.000	.000
	romanticinstrumental	.020	.494	.110
	samesexinstrumental	.089	.000	.006
	othersexinstrumental	.476	.000	.034
	extrainstrumental	.025	.009	.043
N	S	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		sibinstrumental	relativeinstrumental	romanticinstrumental
Pearson Correlation	S	.132	.052	-.167
	muminstrumental	.337	.475	.001
	dadinstrumental	.289	.385	.100
	sibinstrumental	1.000	.265	.209
	relativeinstrumental	.265	1.000	.104
	romanticinstrumental	.209	.104	1.000
	samesexinstrumental	.310	.247	.095
	othersexinstrumental	.270	.316	-.065
	extrainstrumental	.123	.321	.073
Sig. (1-tailed)	S	.053	.265	.020
	muminstrumental	.000	.000	.494
	dadinstrumental	.000	.000	.110
	sibinstrumental	.	.001	.005
	relativeinstrumental	.001	.	.103
	romanticinstrumental	.005	.103	.
	samesexinstrumental	.000	.001	.123
	othersexinstrumental	.000	.000	.213
	extrainstrumental	.066	.000	.187
N	S	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	S	-.110	.005	.160
	muminstrumental	.301	.275	.192
	dadinstrumental	.204	.149	.140
	sibinstrumental	.310	.270	.123
	relativeinstrumental	.247	.316	.321
	romanticinstrumental	.095	-.065	.073
	samesexinstrumental	1.000	.554	.288
	othersexinstrumental	.554	1.000	.408
	extrainstrumental	.288	.408	1.000
Sig. (1-tailed)	S	.089	.476	.025
	muminstrumental	.000	.000	.009
	dadinstrumental	.006	.034	.043
	sibinstrumental	.000	.000	.066
	relativeinstrumental	.001	.000	.000
	romanticinstrumental	.123	.213	.187
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	S	151	151	151
	muminstrumental	151	151	151
	dadinstrumental	151	151	151
	sibinstrumental	151	151	151
	relativeinstrumental	151	151	151
	romanticinstrumental	151	151	151
	samesexinstrumental	151	151	151
	othersexinstrumental	151	151	151
	extrainstrumental	151	151	151

a. Selecting only cases for which Sex = 1

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental <sup>c</sup>	.	Enter
2	.	muminstrumental	Backward (criterion: Probability of F-to-remove >= .100).
3	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	dadinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
5	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: S

b. Models are based only on cases for which Sex = 1

c. All requested variables entered.

**Model Summary<sup>f,g</sup>**

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Sex = 1 (Selected)	Sex ~= 1 (Unselected)			
1	.351 <sup>a</sup>		.123	.074	9.068
2	.351 <sup>b</sup>		.123	.080	9.036
3	.351 <sup>c</sup>		.123	.087	9.006
4	.350 <sup>d</sup>		.123	.093	8.977
5	.348 <sup>e</sup>	.	.121	.097	8.955

**Model Summary<sup>f,g</sup>**

Model	Change Statistics				
	R Square Change	F Change	df1	df2	Sig. F Change
1	.123	2.498	8	142	.014
2	.000	.004	1	142	.948
3	.000	.033	1	143	.857
4	.000	.053	1	144	.818
5	-.002	.293	1	145	.589

a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental

b. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

f. Unless noted otherwise, statistics are based only on cases for which Sex = 1.

g. Dependent Variable: S

ANOVA<sup>a,b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1643.524	8	205.440	2.498	.014 <sup>c</sup>
	Residual	11676.410	142	82.228		
	Total	13319.934	150			
2	Regression	1643.169	7	234.738	2.875	.008 <sup>d</sup>
	Residual	11676.765	143	81.656		
	Total	13319.934	150			
3	Regression	1640.506	6	273.418	3.371	.004 <sup>e</sup>
	Residual	11679.428	144	81.107		
	Total	13319.934	150			
4	Regression	1636.183	5	327.237	4.061	.002 <sup>f</sup>
	Residual	11683.751	145	80.578		
	Total	13319.934	150			
5	Regression	1612.614	4	403.153	5.028	.001 <sup>g</sup>
	Residual	11707.320	146	80.187		
	Total	13319.934	150			

a. Dependent Variable: S

b. Selecting only cases for which Sex = 1

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

f. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

g. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	15.793	3.113		5.073	.000
	muminstrumental	.058	.884	.007	.066	.948
	dadinstrumental	-.206	.773	-.028	-.267	.790
	sibinstrumental	1.842	.725	.226	2.542	.012
	relativeinstrumental	.136	.870	.015	.156	.876
	romanticinstrumental	-1.523	.587	-.215	-2.594	.010
	samesexinstrumental	-1.951	.994	-.193	-1.962	.052
	othersexinstrumental	-.509	.910	-.058	-.559	.577
	extrainstrumental	1.527	.605	.224	2.525	.013
2	(Constant)	15.828	3.056		5.179	.000
	dadinstrumental	-.179	.651	-.024	-.275	.784
	sibinstrumental	1.849	.715	.227	2.587	.011
	relativeinstrumental	.151	.836	.016	.181	.857
	romanticinstrumental	-1.529	.580	-.216	-2.637	.009
	samesexinstrumental	-1.944	.985	-.192	-1.973	.050
	othersexinstrumental	-.507	.906	-.057	-.559	.577
	extrainstrumental	1.527	.603	.224	2.534	.012
3	(Constant)	15.865	3.039		5.221	.000
	dadinstrumental	-.142	.616	-.019	-.231	.818
	sibinstrumental	1.862	.709	.228	2.628	.010
	romanticinstrumental	-1.523	.577	-.215	-2.640	.009
	samesexinstrumental	-1.943	.982	-.192	-1.979	.050
	othersexinstrumental	-.482	.893	-.055	-.540	.590
	extrainstrumental	1.549	.589	.228	2.632	.009
4	(Constant)	15.610	2.820		5.535	.000
	sibinstrumental	1.825	.688	.224	2.654	.009
	romanticinstrumental	-1.527	.575	-.216	-2.658	.009
	samesexinstrumental	-1.964	.975	-.194	-2.015	.046
	othersexinstrumental	-.482	.890	-.055	-.541	.589
	extrainstrumental	1.539	.585	.226	2.631	.009
5	(Constant)	15.349	2.772		5.537	.000
	sibinstrumental	1.767	.678	.217	2.608	.010
	romanticinstrumental	-1.468	.562	-.207	-2.609	.010
	samesexinstrumental	-2.212	.857	-.218	-2.580	.011
	extrainstrumental	1.437	.552	.211	2.601	.010

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	.042	.006	.005	.499	2.005
	dadinstrumental	.010	-.022	-.021	.576	1.735
	sibinstrumental	.132	.209	.200	.781	1.281
	relativeinstrumental	.052	.013	.012	.685	1.461
	romanticinstrumental	-.167	-.213	-.204	.897	1.115
	samesexinstrumental	-.110	-.162	-.154	.640	1.561
	othersexinstrumental	.005	-.047	-.044	.580	1.724
	extrainstrumental	.160	.207	.198	.782	1.279
2	(Constant)					
	dadinstrumental	.010	-.023	-.022	.807	1.239
	sibinstrumental	.132	.211	.203	.797	1.255
	relativeinstrumental	.052	.015	.014	.737	1.356
	romanticinstrumental	-.167	-.215	-.206	.914	1.094
	samesexinstrumental	-.110	-.163	-.154	.648	1.543
	othersexinstrumental	.005	-.047	-.044	.581	1.721
	extrainstrumental	.160	.207	.198	.782	1.279
3	(Constant)					
	dadinstrumental	.010	-.019	-.018	.895	1.117
	sibinstrumental	.132	.214	.205	.805	1.242
	romanticinstrumental	-.167	-.215	-.206	.917	1.090
	samesexinstrumental	-.110	-.163	-.154	.648	1.543
	othersexinstrumental	.005	-.045	-.042	.594	1.683
	extrainstrumental	.160	.214	.205	.815	1.227
4	(Constant)					
	sibinstrumental	.132	.215	.206	.850	1.177
	romanticinstrumental	-.167	-.216	-.207	.918	1.089
	samesexinstrumental	-.110	-.165	-.157	.654	1.530
	othersexinstrumental	.005	-.045	-.042	.594	1.683
	extrainstrumental	.160	.213	.205	.819	1.220
5	(Constant)					
	sibinstrumental	.132	.211	.202	.870	1.149
	romanticinstrumental	-.167	-.211	-.202	.954	1.049
	samesexinstrumental	-.110	-.209	-.200	.840	1.190
	extrainstrumental	.160	.210	.202	.914	1.094

a. Dependent Variable: S

b. Selecting only cases for which Sex = 1

**Collinearity Diagnostics<sup>a,b</sup>**

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrum ental	dadinstrument al
1	1	7.894	1.000	.00	.00	.00
	2	.324	4.935	.00	.00	.01
	3	.198	6.317	.01	.05	.04
	4	.172	6.771	.00	.00	.03
	5	.142	7.448	.03	.00	.00
	6	.122	8.058	.00	.06	.18
	7	.057	11.721	.12	.03	.23
	8	.049	12.757	.01	.82	.49
	9	.042	13.641	.83	.03	.01
2	1	6.983	1.000	.00		.00
	2	.319	4.682	.01		.02
	3	.179	6.254	.01		.01
	4	.169	6.428	.00		.09
	5	.142	7.013	.03		.00
	6	.109	8.003	.01		.66
	7	.057	11.064	.14		.15
	8	.043	12.807	.81		.07
3	1	6.136	1.000	.00		.00
	2	.318	4.392	.00		.02
	3	.176	5.903	.00		.00
	4	.142	6.573	.03		.01
	5	.128	6.934	.00		.77
	6	.058	10.306	.15		.11
	7	.043	12.001	.81		.09
4	1	5.266	1.000	.00		
	2	.309	4.130	.01		
	3	.176	5.469	.00		
	4	.142	6.093	.03		
	5	.062	9.180	.28		
	6	.045	10.849	.68		
5	1	4.388	1.000	.00		
	2	.303	3.803	.01		
	3	.154	5.334	.02		
	4	.109	6.352	.08		
	5	.046	9.777	.89		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
1	1	.00	.00	.00	.00
	2	.03	.00	.03	.00
	3	.01	.18	.32	.00
	4	.14	.09	.15	.04
	5	.79	.01	.01	.04
	6	.00	.65	.04	.00
	7	.00	.01	.19	.34
	8	.01	.05	.11	.11
	9	.01	.00	.15	.46
2	1	.00	.00	.00	.00
	2	.05	.00	.04	.00
	3	.02	.15	.44	.00
	4	.10	.43	.01	.04
	5	.81	.00	.01	.04
	6	.00	.39	.12	.00
	7	.00	.02	.27	.40
	8	.01	.00	.12	.52
3	1	.00		.00	.00
	2	.04		.04	.00
	3	.08		.40	.02
	4	.84		.00	.04
	5	.02		.16	.01
	6	.00		.27	.42
	7	.01		.12	.51
4	1	.01		.00	.00
	2	.06		.06	.00
	3	.08		.40	.02
	4	.85		.01	.04
	5	.00		.44	.20
	6	.00		.08	.74
5	1	.01		.01	.00
	2	.06		.04	.00
	3	.72		.36	.00
	4	.21		.40	.34
	5	.00		.18	.65

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.01	.65
	3	.00	.03
	4	.23	.08
	5	.08	.10
	6	.04	.12
	7	.58	.01
	8	.04	.00
	9	.02	.00
2	1	.00	.00
	2	.01	.64
	3	.08	.15
	4	.14	.01
	5	.08	.12
	6	.03	.06
	7	.62	.01
	8	.02	.00
3	1	.00	.01
	2	.01	.68
	3	.19	.14
	4	.08	.12
	5	.07	.02
	6	.63	.03
	7	.02	.00
4	1	.00	.01
	2	.01	.69
	3	.19	.14
	4	.09	.13
	5	.63	.03
	6	.07	.00
5	1		.01
	2		.88
	3		.00
	4		.10
	5		.00

a. Dependent Variable: S

b. Selecting only cases for which Sex = 1

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial Correlation	Collinearity
						Tolerance
2	muminstrumental	.007 <sup>b</sup>	.066	.948	.006	.499
3	muminstrumental	.012 <sup>c</sup>	.112	.911	.009	.537
	relativeinstrumental	.016 <sup>c</sup>	.181	.857	.015	.737
4	muminstrumental	-.004 <sup>d</sup>	-.046	.964	-.004	.824
	relativeinstrumental	.009 <sup>d</sup>	.100	.921	.008	.818
	dadinstrumental	-.019 <sup>d</sup>	-.231	.818	-.019	.895
5	muminstrumental	-.007 <sup>e</sup>	-.079	.937	-.007	.827
	relativeinstrumental	.002 <sup>e</sup>	.023	.982	.002	.834
	dadinstrumental	-.019 <sup>e</sup>	-.229	.819	-.019	.895
	othersexinstrumental	-.055 <sup>e</sup>	-.541	.589	-.045	.594

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	muminstrumental	2.005	.499
3	muminstrumental	1.862	.537
	relativeinstrumental	1.356	.581
4	muminstrumental	1.214	.592
	relativeinstrumental	1.223	.582
	dadinstrumental	1.117	.594
5	muminstrumental	1.209	.803
	relativeinstrumental	1.199	.830
	dadinstrumental	1.117	.824
	othersexinstrumental	1.683	.594

a. Dependent Variable: S

b. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, relativeinstrumental, othersexinstrumental

c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

d. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, sibinstrumental, othersexinstrumental

e. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental,

### Casewise Diagnostics<sup>a</sup>

Case Number	Status	Std. Residual	S	Predicted Value	Residual
146	X <sup>b</sup>	4.207	41	3.33	37.675
175	X <sup>b</sup>	3.056	40	12.63	27.366
225	X <sup>b</sup>	3.184	34	5.49	28.508
292	X <sup>b</sup>	3.027	39	11.90	27.103
407	X <sup>b</sup>	3.430	35	4.28	30.717
412		3.308	36	6.38	29.623
424	X <sup>b</sup>	3.004	37	10.10	26.902
481		3.080	41	13.42	27.581
508	X <sup>b</sup>	3.262	35	5.79	29.212

a. Dependent Variable: S

b. Sex ~= 1 (Unselected)

### Residuals Statistics<sup>a,b</sup>

	Sex = 1 (Selected)					Sex ~= 1
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	4.70	24.48	11.25	3.279	151	.14
Residual	-14.591	29.623	.000	8.835	151	-22.034
Std. Predicted Value	-1.995	4.036	.000	1.000	151	-3.386
Std. Residual	-1.629	3.308	.000	.987	151	-2.461

### Residuals Statistics<sup>a,b</sup>

	Sex ~= 1 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	24.03	11.49	3.742	417
Residual	37.675	1.312	10.423	417
Std. Predicted Value	3.900	.074	1.141	417
Std. Residual	4.207	.146	1.164	417

a. Dependent Variable: S

b. Pooled Cases

### REGRESSION

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 2
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT D
/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

# Notes

Output Created		29-OCT-2012 15:30:12
Comments		
Input	Data	\\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledataOUTLIERSREMOVED.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 2 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT D /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).
Resources	Processor Time	00:00:00.09
	Elapsed Time	00:00:00.13
	Memory Required	6356 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledataOUTLIERSREMOVED.sav

### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	N
D	7.88	9.040	416
muminstrumental	3.3061	1.19428	416
dadinstrumental	2.8942	1.23320	416
sibinstrumental	2.3397	1.13834	416
relativeinstrumental	2.0256	1.06289	416
romanticinstrumental	3.1002	1.29683	416
samesexinstrumental	2.9744	.92526	416
othersexinstrumental	2.2973	1.02657	416
extrainstrumental	2.1715	1.36488	416

a. Selecting only cases for which Sex = 2

### Correlations<sup>a</sup>

		D	muminstrumental	dadinstrumental
Pearson Correlation	D	1.000	-.071	-.098
	muminstrumental	-.071	1.000	.489
	dadinstrumental	-.098	.489	1.000
	sibinstrumental	-.117	.246	.324
	relativeinstrumental	-.046	.247	.243
	romanticinstrumental	-.050	.090	.002
	samesexinstrumental	-.019	.212	.164
	othersexinstrumental	.048	.113	.133
	extrainstrumental	-.034	.133	.097
Sig. (1-tailed)	D	.	.073	.023
	muminstrumental	.073	.	.000
	dadinstrumental	.023	.000	.
	sibinstrumental	.008	.000	.000
	relativeinstrumental	.175	.000	.000
	romanticinstrumental	.156	.033	.483
	samesexinstrumental	.353	.000	.000
	othersexinstrumental	.162	.010	.003
	extrainstrumental	.246	.003	.023
N	D	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

		sibinstrumental	relativeinstrumental	romanticinstrumental
Pearson Correlation	D	-.117	-.046	-.050
	muminstrumental	.246	.247	.090
	dadinstrumental	.324	.243	.002
	sibinstrumental	1.000	.171	-.025
	relativeinstrumental	.171	1.000	.012
	romanticinstrumental	-.025	.012	1.000
	samesexinstrumental	.148	.189	.051
	othersexinstrumental	.164	.226	-.020
	extrainstrumental	.180	.174	.074
Sig. (1-tailed)	D	.008	.175	.156
	muminstrumental	.000	.000	.033
	dadinstrumental	.000	.000	.483
	sibinstrumental	.	.000	.309
	relativeinstrumental	.000	.	.403
	romanticinstrumental	.309	.403	.
	samesexinstrumental	.001	.000	.148
	othersexinstrumental	.000	.000	.342
	extrainstrumental	.000	.000	.065
N	D	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	D	-.019	.048	-.034
	muminstrumental	.212	.113	.133
	dadinstrumental	.164	.133	.097
	sibinstrumental	.148	.164	.180
	relativeinstrumental	.189	.226	.174
	romanticinstrumental	.051	-.020	.074
	samesexinstrumental	1.000	.439	.244
	othersexinstrumental	.439	1.000	.307
	extrainstrumental	.244	.307	1.000
Sig. (1-tailed)	D	.353	.162	.246
	muminstrumental	.000	.010	.003
	dadinstrumental	.000	.003	.023
	sibinstrumental	.001	.000	.000
	relativeinstrumental	.000	.000	.000
	romanticinstrumental	.148	.342	.065
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	D	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

a. Selecting only cases for which Sex = 2

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental <sup>c</sup>	.	Enter
2	.	muminstrumental	Backward (criterion: Probability of F-to-remove >= .100).
3	.	samesexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
5	.	extrainstrumental	Backward (criterion: Probability of F-to-remove >= .100).
6	.	romanticinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
7	.	dadinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
8	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: D

b. Models are based only on cases for which Sex = 2

c. All requested variables entered.

**Model Summary<sup>i,j</sup>**

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Sex = 2 (Selected)	Sex ~= 2 (Unselected)			
1	.166 <sup>a</sup>		.028	.009	9.002
2	.166 <sup>b</sup>		.028	.011	8.991
3	.165 <sup>c</sup>		.027	.013	8.982
4	.163 <sup>d</sup>		.027	.015	8.973
5	.161 <sup>e</sup>		.026	.016	8.966
6	.152 <sup>f</sup>		.023	.016	8.967
7	.136 <sup>g</sup>		.018	.014	8.978
8	.117 <sup>h</sup>	.	.014	.011	8.989

**Model Summary<sup>i,j</sup>**

Model	Change Statistics				
	R Square Change	F Change	df1	df2	Sig. F Change
1	.028	1.446	8	407	.175
2	.000	.028	1	407	.866
3	.000	.152	1	408	.697
4	-.001	.265	1	409	.607
5	-.001	.335	1	410	.563
6	-.003	1.084	1	411	.298
7	-.005	2.038	1	412	.154
8	-.005	1.977	1	413	.160

- a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- b. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors: (Constant), romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors: (Constant), dadinstrumental, sibinstrumental, othersexinstrumental
- g. Predictors: (Constant), sibinstrumental, othersexinstrumental
- h. Predictors: (Constant), sibinstrumental
- i. Unless noted otherwise, statistics are based only on cases for which Sex = 2.
- j. Dependent Variable: D

ANOVA<sup>a,b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	937.573	8	117.197	1.446	.175 <sup>c</sup>
	Residual	32978.417	407	81.028		
	Total	33915.990	415			
2	Regression	935.271	7	133.610	1.653	.119 <sup>d</sup>
	Residual	32980.720	408	80.835		
	Total	33915.990	415			
3	Regression	923.019	6	153.837	1.907	.078 <sup>e</sup>
	Residual	32992.971	409	80.667		
	Total	33915.990	415			
4	Regression	901.652	5	180.330	2.239	.050 <sup>f</sup>
	Residual	33014.338	410	80.523		
	Total	33915.990	415			
5	Regression	874.657	4	218.664	2.720	.029 <sup>g</sup>
	Residual	33041.333	411	80.393		
	Total	33915.990	415			
6	Regression	787.518	3	262.506	3.265	.021 <sup>h</sup>
	Residual	33128.472	412	80.409		
	Total	33915.990	415			
7	Regression	623.672	2	311.836	3.868	.022 <sup>i</sup>
	Residual	33292.318	413	80.611		
	Total	33915.990	415			
8	Regression	464.295	1	464.295	5.746	.017 <sup>j</sup>
	Residual	33451.695	414	80.801		
	Total	33915.990	415			

a. Dependent Variable: D

b. Selecting only cases for which Sex = 2

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

f. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental

g. Predictors: (Constant), romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental

h. Predictors: (Constant), dadinstrumental, sibinstrumental, othersexinstrumental

i. Predictors: (Constant), sibinstrumental, othersexinstrumental

j. Predictors: (Constant), sibinstrumental

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	11.725	2.136		5.488	.000
	muminstrumental	-.074	.437	-.010	-.169	.866
	dadinstrumental	-.452	.427	-.062	-1.059	.290
	sibinstrumental	-.792	.420	-.100	-1.886	.060
	relativeinstrumental	-.206	.445	-.024	-.463	.644
	romanticinstrumental	-.321	.344	-.046	-.932	.352
	samesexinstrumental	-.200	.546	-.020	-.366	.715
	othersexinstrumental	.839	.499	.095	1.681	.093
	extrainstrumental	-.166	.349	-.025	-.476	.634
2	(Constant)	11.647	2.084		5.590	.000
	dadinstrumental	-.482	.388	-.066	-1.243	.215
	sibinstrumental	-.798	.418	-.100	-1.909	.057
	relativeinstrumental	-.215	.441	-.025	-.488	.626
	romanticinstrumental	-.327	.342	-.047	-.954	.341
	samesexinstrumental	-.211	.541	-.022	-.389	.697
	othersexinstrumental	.843	.498	.096	1.692	.091
	extrainstrumental	-.168	.348	-.025	-.484	.628
3	(Constant)	11.313	1.896		5.965	.000
	dadinstrumental	-.495	.386	-.067	-1.280	.201
	sibinstrumental	-.804	.417	-.101	-1.926	.055
	relativeinstrumental	-.226	.440	-.027	-.515	.607
	romanticinstrumental	-.334	.341	-.048	-.979	.328
	othersexinstrumental	.771	.462	.088	1.668	.096
	extrainstrumental	-.183	.346	-.028	-.529	.597
4	(Constant)	11.123	1.859		5.985	.000
	dadinstrumental	-.532	.379	-.073	-1.403	.161
	sibinstrumental	-.818	.416	-.103	-1.965	.050
	romanticinstrumental	-.336	.341	-.048	-.985	.325
	othersexinstrumental	.733	.456	.083	1.608	.109
	extrainstrumental	-.199	.344	-.030	-.579	.563
5	(Constant)	11.001	1.845		5.962	.000
	dadinstrumental	-.536	.379	-.073	-1.415	.158
	sibinstrumental	-.849	.412	-.107	-2.059	.040
	romanticinstrumental	-.354	.340	-.051	-1.041	.298
	othersexinstrumental	.657	.436	.075	1.507	.133
6	(Constant)	9.877	1.496		6.601	.000
	dadinstrumental	-.540	.379	-.074	-1.427	.154
	sibinstrumental	-.838	.412	-.106	-2.034	.043
	othersexinstrumental	.665	.436	.076	1.525	.128

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	-.071	-.008	-.008	.717	1.395
	dadinstrumental	-.098	-.052	-.052	.704	1.420
	sibinstrumental	-.117	-.093	-.092	.855	1.170
	relativeinstrumental	-.046	-.023	-.023	.872	1.146
	romanticinstrumental	-.050	-.046	-.046	.979	1.021
	samesexinstrumental	-.019	-.018	-.018	.766	1.306
	othersexinstrumental	.048	.083	.082	.743	1.345
	extrainstrumental	-.034	-.024	-.023	.863	1.159
2	(Constant)					
	dadinstrumental	-.098	-.061	-.061	.851	1.175
	sibinstrumental	-.117	-.094	-.093	.861	1.162
	relativeinstrumental	-.046	-.024	-.024	.886	1.129
	romanticinstrumental	-.050	-.047	-.047	.988	1.012
	samesexinstrumental	-.019	-.019	-.019	.777	1.287
	othersexinstrumental	.048	.083	.083	.745	1.343
	extrainstrumental	-.034	-.024	-.024	.864	1.157
3	(Constant)					
	dadinstrumental	-.098	-.063	-.062	.857	1.167
	sibinstrumental	-.117	-.095	-.094	.862	1.161
	relativeinstrumental	-.046	-.025	-.025	.889	1.124
	romanticinstrumental	-.050	-.048	-.048	.991	1.009
	othersexinstrumental	.048	.082	.081	.864	1.157
	extrainstrumental	-.034	-.026	-.026	.874	1.144
4	(Constant)					
	dadinstrumental	-.098	-.069	-.068	.888	1.126
	sibinstrumental	-.117	-.097	-.096	.865	1.156
	romanticinstrumental	-.050	-.049	-.048	.991	1.009
	othersexinstrumental	.048	.079	.078	.887	1.127
	extrainstrumental	-.034	-.029	-.028	.882	1.134
5	(Constant)					
	dadinstrumental	-.098	-.070	-.069	.889	1.125
	sibinstrumental	-.117	-.101	-.100	.880	1.137
	romanticinstrumental	-.050	-.051	-.051	.999	1.001
	othersexinstrumental	.048	.074	.073	.966	1.036
6	(Constant)					
	dadinstrumental	-.098	-.070	-.070	.889	1.125
	sibinstrumental	-.117	-.100	-.099	.880	1.136
	othersexinstrumental	.048	.075	.074	.966	1.035

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
7	(Constant)	8.860	1.317		6.725	.000
	sibinstrumental	-1.020	.392	-.128	-2.598	.010
	othersexinstrumental	.612	.435	.069	1.406	.160
8	(Constant)	10.054	1.008		9.971	.000
	sibinstrumental	-.929	.388	-.117	-2.397	.017

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
7	(Constant)					
	sibinstrumental	-.117	-.127	-.127	.973	1.028
	othersexinstrumental	.048	.069	.069	.973	1.028
8	(Constant)					
	sibinstrumental	-.117	-.117	-.117	1.000	1.000

a. Dependent Variable: D

b. Selecting only cases for which Sex = 2

**Collinearity Diagnostics<sup>a,b</sup>**

Model Dimension		Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrumental	dadinstrumental
1	1	7.956	1.000	.00	.00	.00
	2	.246	5.683	.00	.02	.04
	3	.191	6.462	.01	.00	.02
	4	.174	6.765	.00	.00	.03
	5	.147	7.362	.00	.01	.01
	6	.122	8.067	.00	.11	.27
	7	.071	10.618	.02	.26	.44
	8	.059	11.579	.02	.56	.18
	9	.035	15.177	.94	.03	.01
2	1	7.043	1.000	.00		.00
	2	.236	5.458	.00		.05
	3	.191	6.080	.01		.02
	4	.173	6.383	.00		.04
	5	.145	6.962	.00		.01
	6	.110	8.010	.00		.75
	7	.066	10.299	.05		.07
	8	.035	14.164	.93		.05
3	1	6.115	1.000	.00		.00
	2	.236	5.086	.00		.05

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrument al	relativeinstru mental	romanticinstru mental	samesexinstru mental
1	1	.00	.00	.00	.00
	2	.02	.01	.01	.00
	3	.09	.22	.45	.00
	4	.36	.52	.01	.00
	5	.00	.14	.06	.05
	6	.50	.10	.10	.00
	7	.00	.00	.16	.24
	8	.01	.00	.02	.38
	9	.03	.01	.19	.32
2	1	.00	.00	.00	.00
	2	.03	.03	.02	.00
	3	.09	.23	.46	.00
	4	.42	.51	.01	.00
	5	.01	.16	.09	.05
	6	.42	.06	.04	.00
	7	.01	.00	.18	.56
	8	.03	.01	.21	.38
3	1	.00	.00	.00	
	2	.03	.03	.02	

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.02	.73
	3	.00	.00
	4	.03	.03
	5	.46	.20
	6	.00	.03
	7	.22	.00
	8	.26	.00
	9	.00	.00
2	1	.00	.00
	2	.01	.79
	3	.00	.00
	4	.02	.01
	5	.47	.16
	6	.01	.03
	7	.48	.00
	8	.00	.00
3	1	.00	.01
	2	.01	.80

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrum ental	dadinstrument al
4	3	.189	5.685	.01		.02
	4	.172	5.954	.00		.04
	5	.134	6.765	.00		.01
	6	.110	7.467	.00		.76
	7	.043	11.904	.98		.12
	1	5.287	1.000	.00		.00
	2	.234	4.753	.01		.06
	3	.184	5.360	.01		.05
	4	.139	6.168	.00		.00
	5	.112	6.859	.00		.73
	6	.044	10.987	.98		.15
5	1	4.507	1.000	.00		.01
	2	.184	4.949	.01		.06
	3	.151	5.469	.00		.06
	4	.114	6.288	.00		.74
	5	.044	10.141	.99		.15
6	1	3.664	1.000	.01		.01
	2	.155	4.858	.01		.08
	3	.117	5.590	.01		.60
	4	.063	7.623	.97		.31
7	1	2.776	1.000	.01		
	2	.150	4.298	.01		
	3	.074	6.123	.98		
8	1	1.899	1.000	.05		
	2	.101	4.346	.95		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
4	3	.06	.22	.50	
	4	.42	.52	.02	
	5	.02	.13	.03	
	6	.42	.07	.03	
	7	.05	.02	.40	
	1	.01		.00	
	2	.04		.04	
	3	.29		.46	
	4	.14		.06	
	5	.47		.04	
	6	.05		.40	
	1	.01		.01	
	2	.30		.46	
5	3	.12		.08	
	4	.52		.04	
	5	.05		.41	
	1	.01			
	2	.35			
6	3	.60			
	4	.04			
	1	.02			
7	2	.69			
	3	.29			
	1	.05			
8	2	.95			

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
4	3	.01	.00
	4	.01	.01
	5	.82	.16
	6	.00	.02
	7	.14	.00
	1	.00	.01
	2	.01	.78
	3	.00	.00
	4	.77	.18
	5	.04	.04
	6	.17	.00
5	1	.01	
	2	.00	
	3	.79	
	4	.00	
	5	.19	
6	1	.01	
	2	.60	
	3	.07	
	4	.32	
7	1	.02	
	2	.47	
	3	.51	
8	1		
	2		

a. Dependent Variable: D

b. Selecting only cases for which Sex = 2

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial	Collinearity
					Correlation	Tolerance
2	muminstrumental	-.010 <sup>b</sup>	-.169	.866	-.008	.717
3	muminstrumental	-.012 <sup>c</sup>	-.214	.831	-.011	.727
	sameosexinstrumental	-.022 <sup>c</sup>	-.389	.697	-.019	.777
4	muminstrumental	-.016 <sup>d</sup>	-.279	.780	-.014	.740
	sameosexinstrumental	-.023 <sup>d</sup>	-.422	.673	-.021	.780
	relativeinstrumental	-.027 <sup>d</sup>	-.515	.607	-.025	.889
5	muminstrumental	-.018 <sup>e</sup>	-.317	.752	-.016	.743
	sameosexinstrumental	-.027 <sup>e</sup>	-.484	.629	-.024	.790
	relativeinstrumental	-.029 <sup>e</sup>	-.566	.572	-.028	.897
	extrainstrumental	-.030 <sup>e</sup>	-.579	.563	-.029	.882
6	muminstrumental	-.024 <sup>f</sup>	-.426	.670	-.021	.751
	sameosexinstrumental	-.030 <sup>f</sup>	-.554	.580	-.027	.793
	relativeinstrumental	-.030 <sup>f</sup>	-.585	.559	-.029	.897
	extrainstrumental	-.035 <sup>f</sup>	-.669	.504	-.033	.888
	romanticinstrumental	-.051 <sup>f</sup>	-1.041	.298	-.051	.999
7	muminstrumental	-.051 <sup>g</sup>	-1.012	.312	-.050	.934
	sameosexinstrumental	-.038 <sup>g</sup>	-.689	.491	-.034	.801
	relativeinstrumental	-.043 <sup>g</sup>	-.843	.400	-.042	.930
	extrainstrumental	-.036 <sup>g</sup>	-.694	.488	-.034	.889
	romanticinstrumental	-.052 <sup>g</sup>	-1.057	.291	-.052	.999
	dadinstrumental	-.074 <sup>g</sup>	-1.427	.154	-.070	.889
8	muminstrumental	-.045 <sup>h</sup>	-.901	.368	-.044	.939
	sameosexinstrumental	-.001 <sup>h</sup>	-.026	.979	-.001	.978
	relativeinstrumental	-.027 <sup>h</sup>	-.538	.591	-.026	.971
	extrainstrumental	-.013 <sup>h</sup>	-.264	.792	-.013	.968
	romanticinstrumental	-.053 <sup>h</sup>	-1.078	.281	-.053	.999
	dadinstrumental	-.067 <sup>h</sup>	-1.300	.194	-.064	.895
	othersexinstrumental	.069 <sup>h</sup>	1.406	.160	.069	.973

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	muminstrumental	1.395	.704
3	muminstrumental	1.375	.705
	samesexinstrumental	1.287	.745
4	muminstrumental	1.352	.714
	samesexinstrumental	1.282	.756
	relativeinstrumental	1.124	.857
5	muminstrumental	1.346	.714
	samesexinstrumental	1.266	.790
	relativeinstrumental	1.115	.857
	extrainstrumental	1.134	.865
6	muminstrumental	1.331	.715
	samesexinstrumental	1.260	.793
	relativeinstrumental	1.114	.857
	extrainstrumental	1.126	.866
	romanticinstrumental	1.001	.880
7	muminstrumental	1.071	.921
	samesexinstrumental	1.248	.797
	relativeinstrumental	1.075	.930
	extrainstrumental	1.125	.889
	romanticinstrumental	1.001	.973
	dadinstrumental	1.125	.880
8	muminstrumental	1.064	.939
	samesexinstrumental	1.023	.978
	relativeinstrumental	1.030	.971
	extrainstrumental	1.034	.968
	romanticinstrumental	1.001	.999
	dadinstrumental	1.117	.895
	othersexinstrumental	1.028	.973

- a. Dependent Variable: D
- b. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- d. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors in the Model: (Constant), romanticinstrumental, dadinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors in the Model: (Constant), dadinstrumental, sibinstrumental, othersexinstrumental
- g. Predictors in the Model: (Constant), sibinstrumental, othersexinstrumental

### Casewise Diagnostics<sup>a</sup>

Case Number	Status	Std. Residual	D	Predicted Value	Residual
44	X <sup>b</sup>	3.496	39	7.58	31.424
124		3.504	40	8.51	31.495
149		3.331	40	10.05	29.946
152		3.480	37	5.72	31.282
175		3.761	42	8.20	33.805
227		3.170	37	8.51	28.495
397		3.239	37	7.89	29.114
400		3.565	39	6.96	32.043
424		3.581	41	8.81	32.185
513		3.504	40	8.51	31.495
527	X <sup>b</sup>	3.461	39	7.89	31.114
557		3.779	40	6.03	33.973

a. Dependent Variable: D

b. Sex ~= 2 (Unselected)

### Residuals Statistics<sup>a,b</sup>

	Sex = 2 (Selected)					Sex ~= 2 .
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	5.41	10.05	7.88	1.058	416	5.41
Residual	-10.054	33.805	.000	8.978	416	-10.054
Std. Predicted Value	-2.337	2.055	.000	1.000	416	-2.337
Std. Residual	-1.118	3.761	.000	.999	416	-1.118

### Residuals Statistics<sup>a,b</sup>

	Sex ~= 2 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	10.05	8.02	1.071	152
Residual	33.973	.024	10.148	152
Std. Predicted Value	2.055	.135	1.013	152
Std. Residual	3.779	.003	1.129	152

a. Dependent Variable: D

b. Pooled Cases

### REGRESSION

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 2
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT A

```

```

/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

### Notes

Output Created		29-OCT-2012 15:30:37
Comments		
Input	Data	\\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledataOUTLIERS REMOVED.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 2 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT A /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).
Resources	Processor Time	00:00:00.09
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	Memory Required	6356 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledata  
OUTLIERSREMOVED.sav

### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	N
A	6.89	7.579	416
muminstrumental	3.3061	1.19428	416
dadinstrumental	2.8942	1.23320	416
sibinstrumental	2.3397	1.13834	416
relativeinstrumental	2.0256	1.06289	416
romanticinstrumental	3.1002	1.29683	416
samesexinstrumental	2.9744	.92526	416
othersexinstrumental	2.2973	1.02657	416
extrainstrumental	2.1715	1.36488	416

a. Selecting only cases for which Sex = 2

### Correlations<sup>a</sup>

		A	muminstrumental	dadinstrumental
Pearson Correlation	A	1.000	.017	.009
	muminstrumental	.017	1.000	.489
	dadinstrumental	.009	.489	1.000
	sibinstrumental	-.045	.246	.324
	relativeinstrumental	-.019	.247	.243
	romanticinstrumental	-.068	.090	.002
	samesexinstrumental	.047	.212	.164
	othersexinstrumental	.056	.113	.133
	extrainstrumental	.063	.133	.097
Sig. (1-tailed)	A	.	.366	.429
	muminstrumental	.366	.	.000
	dadinstrumental	.429	.000	.
	sibinstrumental	.178	.000	.000
	relativeinstrumental	.347	.000	.000
	romanticinstrumental	.084	.033	.483
	samesexinstrumental	.171	.000	.000
	othersexinstrumental	.126	.010	.003
	extrainstrumental	.098	.003	.023
N	A	416	416	416
	muminstrumental	416	416	416

**Correlations<sup>a</sup>**

		sibinstrumental	relativeinstrumental	romanticinstrumental
Pearson Correlation	A	-.045	-.019	-.068
	muminstrumental	.246	.247	.090
	dadinstrumental	.324	.243	.002
	sibinstrumental	1.000	.171	-.025
	relativeinstrumental	.171	1.000	.012
	romanticinstrumental	-.025	.012	1.000
	samesexinstrumental	.148	.189	.051
	othersexinstrumental	.164	.226	-.020
	extrainstrumental	.180	.174	.074
Sig. (1-tailed)	A	.178	.347	.084
	muminstrumental	.000	.000	.033
	dadinstrumental	.000	.000	.483
	sibinstrumental	.	.000	.309
	relativeinstrumental	.000	.	.403
	romanticinstrumental	.309	.403	.
	samesexinstrumental	.001	.000	.148
	othersexinstrumental	.000	.000	.342
	extrainstrumental	.000	.000	.065
N	A	416	416	416
	muminstrumental	416	416	416

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	A	.047	.056	.063
	muminstrumental	.212	.113	.133
	dadinstrumental	.164	.133	.097
	sibinstrumental	.148	.164	.180
	relativeinstrumental	.189	.226	.174
	romanticinstrumental	.051	-.020	.074
	samesexinstrumental	1.000	.439	.244
	othersexinstrumental	.439	1.000	.307
	extrainstrumental	.244	.307	1.000
Sig. (1-tailed)	A	.171	.126	.098
	muminstrumental	.000	.010	.003
	dadinstrumental	.000	.003	.023
	sibinstrumental	.001	.000	.000
	relativeinstrumental	.000	.000	.000
	romanticinstrumental	.148	.342	.065
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	A	416	416	416
	muminstrumental	416	416	416

**Correlations<sup>a</sup>**

	A	muminstrume ntal	dadinstrument al
dadinstrumental	416	416	416
sibinstrumental	416	416	416
relativeinstrumental	416	416	416
romanticinstrumental	416	416	416
samesexinstrumental	416	416	416
othersexinstrumental	416	416	416
extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

	sibinstrument al	relativeinstru mental	romanticinstru mental
dadinstrumental	416	416	416
sibinstrumental	416	416	416
relativeinstrumental	416	416	416
romanticinstrumental	416	416	416
samesexinstrumental	416	416	416
othersexinstrumental	416	416	416
extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

	samesexinstru mental	othersexinstru mental	extrainstrume ntal
dadinstrumental	416	416	416
sibinstrumental	416	416	416
relativeinstrumental	416	416	416
romanticinstrumental	416	416	416
samesexinstrumental	416	416	416
othersexinstrumental	416	416	416
extrainstrumental	416	416	416

a. Selecting only cases for which Sex = 2

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrume ntal, romanticinstru mental, dadinstrument al, samesexinstru mental, relativeinstru mental, sibinstrument al, othersexinstru mental, muminstrume ntal <sup>c</sup>	.	Enter
2	.	dadinstrument al	Backward (criterion: Probability of F-to-remove >= .100).
3	.	samesexinstru mental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	muminstrume ntal	Backward (criterion: Probability of F-to-remove >= .100).

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
5	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
6	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
7	.	sibinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
8	.	extrainstrumental	Backward (criterion: Probability of F-to-remove >= .100).
9	.	romanticinstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: A

b. Models are based only on cases for which Sex = 2

c. All requested variables entered.

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics	
	Sex = 2 (Selected)				R Square Change	F Change
1	.133 <sup>a</sup>	.018	-.002	7.585	.018	.911
2	.132 <sup>b</sup>	.017	.001	7.577	.000	.055
3	.130 <sup>c</sup>	.017	.002	7.570	-.001	.266
4	.125 <sup>d</sup>	.016	.004	7.565	-.001	.467
5	.122 <sup>e</sup>	.015	.005	7.559	-.001	.379
6	.114 <sup>f</sup>	.013	.006	7.557	-.002	.759
7	.096 <sup>g</sup>	.009	.005	7.562	-.004	1.532
8	.068 <sup>h</sup>	.005	.002	7.571	-.005	1.966
9	.000 <sup>i</sup>	.000	.000	7.579	-.005	1.908

**Model Summary**

Model	Change Statistics		
	df1	df2	Sig. F Change
1	8	407	.507
2	1	407	.814
3	1	408	.606
4	1	409	.495
5	1	410	.539
6	1	411	.384
7	1	412	.217
8	1	413	.162
9	1	414	.168

- a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- b. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- c. Predictors: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- d. Predictors: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental
- g. Predictors: (Constant), extrainstrumental, romanticinstrumental
- h. Predictors: (Constant), romanticinstrumental
- i. Predictor: (constant)

ANOVA<sup>a,b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	419.553	8	52.444	.911	.507 <sup>c</sup>
	Residual	23418.137	407	57.538		
	Total	23837.690	415			
2	Regression	416.379	7	59.483	1.036	.405 <sup>d</sup>
	Residual	23421.311	408	57.405		
	Total	23837.690	415			
3	Regression	401.083	6	66.847	1.167	.323 <sup>e</sup>
	Residual	23436.607	409	57.302		
	Total	23837.690	415			
4	Regression	374.330	5	74.866	1.308	.259 <sup>f</sup>
	Residual	23463.360	410	57.228		
	Total	23837.690	415			
5	Regression	352.652	4	88.163	1.543	.189 <sup>g</sup>
	Residual	23485.038	411	57.141		
	Total	23837.690	415			
6	Regression	309.282	3	103.094	1.805	.146 <sup>h</sup>
	Residual	23528.408	412	57.108		
	Total	23837.690	415			
7	Regression	221.817	2	110.909	1.940	.145 <sup>i</sup>
	Residual	23615.873	413	57.181		
	Total	23837.690	415			
8	Regression	109.376	1	109.376	1.908	.168 <sup>j</sup>
	Residual	23728.314	414	57.315		
	Total	23837.690	415			
9	Regression	.000	0	.000	.	. <sup>k</sup>
	Residual	23837.690	415	57.440		
	Total	23837.690	415			

a. Dependent Variable: A

b. Selecting only cases for which Sex = 2

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

e. Predictors: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

f. Predictors: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

g. Predictors: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental, othersexinstrumental

h. Predictors: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental

i. Predictors: (Constant), extrainstrumental, romanticinstrumental

j. Predictors: (Constant), romanticinstrumental

k. Predictor: (constant)

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	7.085	1.800		3.936	.000
	muminstrumental	.166	.368	.026	.450	.653
	dadinstrumental	.085	.360	.014	.235	.814
	sibinstrumental	-.489	.354	-.074	-1.383	.167
	relativeinstrumental	-.294	.375	-.041	-.784	.434
	romanticinstrumental	-.450	.290	-.077	-1.551	.122
	samesexinstrumental	.234	.460	.029	.510	.611
	othersexinstrumental	.284	.421	.039	.676	.499
	extrainstrumental	.366	.294	.066	1.247	.213
2	(Constant)	7.145	1.780		4.014	.000
	muminstrumental	.202	.335	.032	.602	.547
	sibinstrumental	-.471	.345	-.071	-1.367	.173
	relativeinstrumental	-.284	.372	-.040	-.763	.446
	romanticinstrumental	-.453	.290	-.077	-1.563	.119
	samesexinstrumental	.237	.459	.029	.516	.606
	othersexinstrumental	.287	.420	.039	.683	.495
	extrainstrumental	.365	.293	.066	1.243	.214
3	(Constant)	7.496	1.644		4.559	.000
	muminstrumental	.226	.331	.036	.683	.495
	sibinstrumental	-.465	.344	-.070	-1.352	.177
	relativeinstrumental	-.274	.371	-.038	-.738	.461
	romanticinstrumental	-.446	.289	-.076	-1.542	.124
	othersexinstrumental	.368	.389	.050	.947	.344
	extrainstrumental	.380	.292	.068	1.302	.194
4	(Constant)	7.937	1.511		5.253	.000
	sibinstrumental	-.418	.337	-.063	-1.240	.216
	relativeinstrumental	-.224	.364	-.031	-.615	.539
	romanticinstrumental	-.427	.288	-.073	-1.485	.138
	othersexinstrumental	.374	.389	.051	.963	.336
	extrainstrumental	.389	.291	.070	1.337	.182
5	(Constant)	7.681	1.452		5.291	.000
	sibinstrumental	-.444	.334	-.067	-1.329	.185
	romanticinstrumental	-.429	.287	-.073	-1.494	.136
	othersexinstrumental	.333	.383	.045	.871	.384
	extrainstrumental	.372	.290	.067	1.286	.199
6	(Constant)	8.243	1.300		6.340	.000
	sibinstrumental	-.410	.332	-.062	-1.238	.217

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	.017	.022	.022	.717	1.395
	dadinstrumental	.009	.012	.012	.704	1.420
	sibinstrumental	-.045	-.068	-.068	.855	1.170
	relativeinstrumental	-.019	-.039	-.039	.872	1.146
	romanticinstrumental	-.068	-.077	-.076	.979	1.021
	samesexinstrumental	.047	.025	.025	.766	1.306
	othersexinstrumental	.056	.033	.033	.743	1.345
	extrainstrumental	.063	.062	.061	.863	1.159
2	(Constant)					
	muminstrumental	.017	.030	.030	.866	1.154
	sibinstrumental	-.045	-.068	-.067	.898	1.113
	relativeinstrumental	-.019	-.038	-.037	.883	1.132
	romanticinstrumental	-.068	-.077	-.077	.980	1.020
	samesexinstrumental	.047	.026	.025	.766	1.305
	othersexinstrumental	.056	.034	.034	.744	1.344
	extrainstrumental	.063	.061	.061	.863	1.158
3	(Constant)					
	muminstrumental	.017	.034	.034	.884	1.131
	sibinstrumental	-.045	-.067	-.066	.899	1.112
	relativeinstrumental	-.019	-.036	-.036	.886	1.129
	romanticinstrumental	-.068	-.076	-.076	.982	1.018
	othersexinstrumental	.056	.047	.046	.866	1.155
	extrainstrumental	.063	.064	.064	.872	1.147
4	(Constant)					
	sibinstrumental	-.045	-.061	-.061	.938	1.066
	relativeinstrumental	-.019	-.030	-.030	.922	1.085
	romanticinstrumental	-.068	-.073	-.073	.991	1.009
	othersexinstrumental	.056	.048	.047	.866	1.154
	extrainstrumental	.063	.066	.066	.874	1.144
5	(Constant)					
	sibinstrumental	-.045	-.065	-.065	.953	1.049
	romanticinstrumental	-.068	-.073	-.073	.991	1.009
	othersexinstrumental	.056	.043	.043	.892	1.121
	extrainstrumental	.063	.063	.063	.882	1.134
6	(Constant)					
	sibinstrumental	-.045	-.061	-.061	.966	1.035

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
7	romanticinstrumental	-.440	.287	-.075	-1.531	.126
	extrainstrumental	.445	.277	.080	1.605	.109
	(Constant)	7.377	1.096		6.730	.000
	romanticinstrumental	-.426	.287	-.073	-1.484	.139
	extrainstrumental	.382	.273	.069	1.402	.162
8	(Constant)	8.114	.963		8.428	.000
	romanticinstrumental	-.396	.287	-.068	-1.381	.168
9	(Constant)	6.887	.372		18.534	.000

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
7	romanticinstrumental	-.068	-.075	-.075	.993	1.007
	extrainstrumental	.063	.079	.079	.961	1.040
	(Constant)					
	romanticinstrumental	-.068	-.073	-.073	.994	1.006
	extrainstrumental	.063	.069	.069	.994	1.006
8	(Constant)					
	romanticinstrumental	-.068	-.068	-.068	1.000	1.000
9	(Constant)					

a. Dependent Variable: A

b. Selecting only cases for which Sex = 2

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrum ental	dadinstrument al
1	1	7.956	1.000	.00	.00	.00
	2	.246	5.683	.00	.02	.04
	3	.191	6.462	.01	.00	.02
	4	.174	6.765	.00	.00	.03
	5	.147	7.362	.00	.01	.01
	6	.122	8.067	.00	.11	.27
	7	.071	10.618	.02	.26	.44
	8	.059	11.579	.02	.56	.18
	9	.035	15.177	.94	.03	.01
2	1	7.074	1.000	.00	.00	
	2	.232	5.518	.00	.02	
	3	.188	6.142	.00	.00	
	4	.168	6.491	.00	.00	
	5	.146	6.971	.00	.01	
	6	.096	8.562	.00	.65	
	7	.062	10.694	.04	.24	
	8	.035	14.273	.95	.07	
3	1	6.144	1.000	.00	.00	
	2	.232	5.146	.01	.02	
	3	.187	5.730	.01	.00	
	4	.168	6.052	.00	.00	
	5	.134	6.776	.00	.01	
	6	.095	8.043	.00	.75	
	7	.041	12.288	.98	.22	
4	1	5.243	1.000	.00		
	2	.223	4.844	.01		
	3	.187	5.294	.01		
	4	.167	5.598	.00		
	5	.133	6.274	.00		
	6	.047	10.616	.98		
5	1	4.417	1.000	.00		
	2	.220	4.480	.02		
	3	.175	5.020	.00		
	4	.139	5.641	.00		
	5	.048	9.563	.98		
6	1	3.549	1.000	.01		
	2	.219	4.024	.02		
	3	.175	4.509	.00		
	4	.057	7.908	.97		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
1	1	.00	.00	.00	.00
	2	.02	.01	.01	.00
	3	.09	.22	.45	.00
	4	.36	.52	.01	.00
	5	.00	.14	.06	.05
	6	.50	.10	.10	.00
	7	.00	.00	.16	.24
	8	.01	.00	.02	.38
	9	.03	.01	.19	.32
2	1	.00	.00	.00	.00
	2	.01	.02	.05	.00
	3	.05	.44	.36	.00
	4	.69	.30	.04	.00
	5	.04	.15	.07	.05
	6	.18	.07	.23	.02
	7	.00	.00	.07	.60
	8	.04	.01	.19	.32
3	1	.00	.00	.00	
	2	.01	.03	.05	
	3	.04	.42	.38	
	4	.67	.31	.05	
	5	.03	.13	.01	
	6	.19	.09	.21	
	7	.05	.01	.29	
4	1	.01	.01	.00	
	2	.02	.05	.07	
	3	.04	.42	.40	
	4	.73	.31	.04	
	5	.06	.15	.03	
	6	.14	.05	.45	
5	1	.01		.01	
	2	.03		.14	
	3	.59		.32	
	4	.20		.06	
	5	.17		.47	
6	1	.01		.01	
	2	.03		.12	
	3	.66		.29	
	4	.29		.57	

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.02	.73
	3	.00	.00
	4	.03	.03
	5	.46	.20
	6	.00	.03
	7	.22	.00
	8	.26	.00
	9	.00	.00
2	1	.00	.00
	2	.01	.82
	3	.01	.02
	4	.01	.00
	5	.48	.15
	6	.07	.01
	7	.42	.00
	8	.00	.00
3	1	.00	.01
	2	.01	.81
	3	.01	.02
	4	.00	.00
	5	.82	.16
	6	.01	.00
	7	.13	.00
4	1	.00	.01
	2	.01	.83
	3	.01	.01
	4	.00	.01
	5	.81	.14
	6	.17	.00
5	1	.01	.01
	2	.01	.78
	3	.01	.05
	4	.75	.16
	5	.23	.00
6	1		.02
	2		.91
	3		.03
	4		.04

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrumental	dadinstrumental
7	1	2.712	1.000	.01		
	2	.217	3.535	.03		
	3	.071	6.181	.95		
8	1	1.923	1.000	.04		
	2	.077	4.987	.96		
9	1	1.000	1.000	1.00		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
7	1			.02	
	2			.19	
	3			.79	
8	1			.04	
	2			.96	
9	1				

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstrumental	extrainstrumental
7	1		.03
	2		.85
	3		.12
8	1		
	2		
9	1		

a. Dependent Variable: A

b. Selecting only cases for which Sex = 2

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial	Collinearity
					Correlation	Tolerance
2	dadinstrumental	.014 <sup>b</sup>	.235	.814	.012	.704
3	dadinstrumental	.014 <sup>c</sup>	.248	.804	.012	.705
	samesexinstrumental	.029 <sup>c</sup>	.516	.606	.026	.766
4	dadinstrumental	.027 <sup>d</sup>	.513	.608	.025	.857
	samesexinstrumental	.034 <sup>d</sup>	.608	.543	.030	.782
	muminstrumental	.036 <sup>d</sup>	.683	.495	.034	.884
5	dadinstrumental	.020 <sup>e</sup>	.389	.698	.019	.888
	samesexinstrumental	.031 <sup>e</sup>	.557	.578	.028	.787
	muminstrumental	.028 <sup>e</sup>	.548	.584	.027	.920
	relativeinstrumental	-.031 <sup>e</sup>	-.615	.539	-.030	.922
6	dadinstrumental	.024 <sup>f</sup>	.455	.650	.022	.894
	samesexinstrumental	.043 <sup>f</sup>	.853	.394	.042	.928
	muminstrumental	.030 <sup>f</sup>	.596	.551	.029	.923
	relativeinstrumental	-.023 <sup>f</sup>	-.458	.647	-.023	.950
	othersexinstrumental	.045 <sup>f</sup>	.871	.384	.043	.892
7	dadinstrumental	.002 <sup>g</sup>	.045	.964	.002	.990
	samesexinstrumental	.036 <sup>g</sup>	.710	.478	.035	.939
	muminstrumental	.015 <sup>g</sup>	.293	.770	.014	.976
	relativeinstrumental	-.031 <sup>g</sup>	-.631	.528	-.031	.970
	othersexinstrumental	.037 <sup>g</sup>	.723	.470	.036	.904
	sibinstrumental	-.062 <sup>g</sup>	-1.238	.217	-.061	.966
8	dadinstrumental	.009 <sup>h</sup>	.182	.856	.009	1.000
	samesexinstrumental	.050 <sup>h</sup>	1.026	.305	.050	.997
	muminstrumental	.023 <sup>h</sup>	.469	.640	.023	.992
	relativeinstrumental	-.019 <sup>h</sup>	-.378	.705	-.019	1.000
	othersexinstrumental	.055 <sup>h</sup>	1.120	.263	.055	1.000
	sibinstrumental	-.047 <sup>h</sup>	-.959	.338	-.047	.999
	extrainstrumental	.069 <sup>h</sup>	1.402	.162	.069	.994
9	dadinstrumental	.009 <sup>i</sup>	.179	.858	.009	1.000
	samesexinstrumental	.047 <sup>i</sup>	.953	.341	.047	1.000
	muminstrumental	.017 <sup>i</sup>	.342	.733	.017	1.000
	relativeinstrumental	-.019 <sup>i</sup>	-.394	.693	-.019	1.000
	othersexinstrumental	.056 <sup>i</sup>	1.146	.252	.056	1.000
	sibinstrumental	-.045 <sup>i</sup>	-.924	.356	-.045	1.000
	extrainstrumental	.063 <sup>i</sup>	1.294	.197	.063	1.000
	romanticinstrumental	-.068 <sup>i</sup>	-1.381	.168	-.068	1.000

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	dadinstrumental	1.420	.704
3	dadinstrumental	1.419	.705
	samesexinstrumental	1.305	.744
4	dadinstrumental	1.167	.857
	samesexinstrumental	1.279	.745
	muminstrumental	1.131	.866
5	dadinstrumental	1.126	.865
	samesexinstrumental	1.270	.757
	muminstrumental	1.086	.878
	relativeinstrumental	1.085	.866
6	dadinstrumental	1.119	.872
	samesexinstrumental	1.078	.915
	muminstrumental	1.083	.914
	relativeinstrumental	1.053	.941
	othersexinstrumental	1.121	.882
7	dadinstrumental	1.010	.985
	samesexinstrumental	1.065	.937
	muminstrumental	1.025	.976
	relativeinstrumental	1.031	.965
	othersexinstrumental	1.106	.900
	sibinstrumental	1.035	.961
8	dadinstrumental	1.000	1.000
	samesexinstrumental	1.003	.997
	muminstrumental	1.008	.992
	relativeinstrumental	1.000	1.000
	othersexinstrumental	1.000	1.000
	sibinstrumental	1.001	.999
	extrainstrumental	1.006	.994
9	dadinstrumental	1.000	1.000
	samesexinstrumental	1.000	1.000
	muminstrumental	1.000	1.000
	relativeinstrumental	1.000	1.000
	othersexinstrumental	1.000	1.000
	sibinstrumental	1.000	1.000
	extrainstrumental	1.000	1.000
	romanticinstrumental	1.000	1.000

a. Dependent Variable: A

b. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental,

- c. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- d. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental, sibinstrumental
- g. Predictors in the Model: (Constant), extrainstrumental, romanticinstrumental
- h. Predictors in the Model: (Constant), romanticinstrumental
- i. Predictor: (constant)

#### REGRESSION

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/SELECT=Sex EQ 2
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT S
/METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental roma
/CASEWISE PLOT(ZRESID) OUTLIERS(3).

```

## Regression

### Notes

Output Created	29-OCT-2012 15:31:24	
Comments		
Input	Data	\\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledataOUTLIERS REMOVED.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	576
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

### Notes

Syntax	REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /SELECT=Sex EQ 2 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT S /METHOD=BACKWARD muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental /CASEWISE PLOT (ZRESID) OUTLIERS(3).	
Resources	Processor Time	00:00:00.14
	Elapsed Time	00:00:00.16
	Memory Required	6356 bytes
	Additional Memory Required for Residual Plots	0 bytes

[DataSet1] \\homedrive.its.utas.edu.au\home\c\cm\cmlacey\2011\variabledata  
OUTLIERSREMOVED.sav

### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	N
S	12.82	9.562	416
muminstrumental	3.3061	1.19428	416
dadinstrumental	2.8942	1.23320	416
sibinstrumental	2.3397	1.13834	416
relativeinstrumental	2.0256	1.06289	416
romanticinstrumental	3.1002	1.29683	416
samesexinstrumental	2.9744	.92526	416
othersexinstrumental	2.2973	1.02657	416
extrainstrumental	2.1715	1.36488	416

a. Selecting only cases for which Sex = 2

**Correlations<sup>a</sup>**

		S	muminstrumental	dadinstrumental
Pearson Correlation	S	1.000	-.021	-.025
	muminstrumental	-.021	1.000	.489
	dadinstrumental	-.025	.489	1.000
	sibinstrumental	-.114	.246	.324
	relativeinstrumental	-.064	.247	.243
	romanticinstrumental	.010	.090	.002
	samesexinstrumental	-.018	.212	.164
	othersexinstrumental	.017	.113	.133
	extrainstrumental	.025	.133	.097
Sig. (1-tailed)	S	.	.334	.305
	muminstrumental	.334	.	.000
	dadinstrumental	.305	.000	.
	sibinstrumental	.010	.000	.000
	relativeinstrumental	.098	.000	.000
	romanticinstrumental	.419	.033	.483
	samesexinstrumental	.355	.000	.000
	othersexinstrumental	.366	.010	.003
	extrainstrumental	.303	.003	.023
N	S	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

		sibinstrument al	relativeinstru mental	romanticinstru mental
Pearson Correlation	S	-.114	-.064	.010
	muminstrumental	.246	.247	.090
	dadinstrumental	.324	.243	.002
	sibinstrumental	1.000	.171	-.025
	relativeinstrumental	.171	1.000	.012
	romanticinstrumental	-.025	.012	1.000
	samesexinstrumental	.148	.189	.051
	othersexinstrumental	.164	.226	-.020
	extrainstrumental	.180	.174	.074
Sig. (1-tailed)	S	.010	.098	.419
	muminstrumental	.000	.000	.033
	dadinstrumental	.000	.000	.483
	sibinstrumental	.	.000	.309
	relativeinstrumental	.000	.	.403
	romanticinstrumental	.309	.403	.
	samesexinstrumental	.001	.000	.148
	othersexinstrumental	.000	.000	.342
	extrainstrumental	.000	.000	.065
N	S	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

**Correlations<sup>a</sup>**

		samesexinstru mental	othersexinstru mental	extrainstrume ntal
Pearson Correlation	S	-.018	.017	.025
	muminstrumental	.212	.113	.133
	dadinstrumental	.164	.133	.097
	sibinstrumental	.148	.164	.180
	relativeinstrumental	.189	.226	.174
	romanticinstrumental	.051	-.020	.074
	samesexinstrumental	1.000	.439	.244
	othersexinstrumental	.439	1.000	.307
	extrainstrumental	.244	.307	1.000
Sig. (1-tailed)	S	.355	.366	.303
	muminstrumental	.000	.010	.003
	dadinstrumental	.000	.003	.023
	sibinstrumental	.001	.000	.000
	relativeinstrumental	.000	.000	.000
	romanticinstrumental	.148	.342	.065
	samesexinstrumental	.	.000	.000
	othersexinstrumental	.000	.	.000
	extrainstrumental	.000	.000	.
N	S	416	416	416
	muminstrumental	416	416	416
	dadinstrumental	416	416	416
	sibinstrumental	416	416	416
	relativeinstrumental	416	416	416
	romanticinstrumental	416	416	416
	samesexinstrumental	416	416	416
	othersexinstrumental	416	416	416
	extrainstrumental	416	416	416

a. Selecting only cases for which Sex = 2

**Variables Entered/Removed<sup>a,b</sup>**

Model	Variables Entered	Variables Removed	Method
1	extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental <sup>c</sup>	.	Enter
2	.	romanticinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
3	.	muminstrumental	Backward (criterion: Probability of F-to-remove >= .100).
4	.	samesexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
5	.	dadinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
6	.	othersexinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
7	.	relativeinstrumental	Backward (criterion: Probability of F-to-remove >= .100).
8	.	extrainstrumental	Backward (criterion: Probability of F-to-remove >= .100).

a. Dependent Variable: S

b. Models are based only on cases for which Sex = 2

c. All requested variables entered.

**Model Summary<sup>i,j</sup>**

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Sex = 2 (Selected)	Sex ~= 2 (Unselected)			
1	.142 <sup>a</sup>		.020	.001	9.558
2	.141 <sup>b</sup>		.020	.003	9.547
3	.141 <sup>c</sup>		.020	.006	9.535
4	.140 <sup>d</sup>		.020	.008	9.526
5	.138 <sup>e</sup>		.019	.010	9.516
6	.134 <sup>f</sup>		.018	.011	9.510
7	.124 <sup>g</sup>		.015	.011	9.511
8	.114 <sup>h</sup>	.	.013	.011	9.510

**Model Summary<sup>i,j</sup>**

Model	Change Statistics				
	R Square Change	F Change	df1	df2	Sig. F Change
1	.020	1.040	8	407	.405
2	.000	.013	1	407	.911
3	.000	.026	1	408	.871
4	.000	.171	1	409	.679
5	.000	.167	1	410	.683
6	-.001	.460	1	411	.498
7	-.003	1.143	1	412	.286
8	-.002	.919	1	413	.338

- a. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- b. Predictors: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- c. Predictors: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- d. Predictors: (Constant), extrainstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental
- g. Predictors: (Constant), extrainstrumental, sibinstrumental
- h. Predictors: (Constant), sibinstrumental
- i. Unless noted otherwise, statistics are based only on cases for which Sex = 2.
- j. Dependent Variable: S

**ANOVA<sup>a,b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	759.750	8	94.969	1.040	.405 <sup>c</sup>
	Residual	37182.365	407	91.357		
	Total	37942.115	415			
2	Regression	758.600	7	108.371	1.189	.308 <sup>d</sup>
	Residual	37183.515	408	91.136		
	Total	37942.115	415			
3	Regression	756.202	6	126.034	1.386	.219 <sup>e</sup>
	Residual	37185.914	409	90.919		
	Total	37942.115	415			
4	Regression	740.616	5	148.123	1.632	.150 <sup>f</sup>
	Residual	37201.500	410	90.735		
	Total	37942.115	415			
5	Regression	725.474	4	181.368	2.003	.093 <sup>g</sup>
	Residual	37216.642	411	90.551		
	Total	37942.115	415			
6	Regression	683.848	3	227.949	2.521	.057 <sup>h</sup>
	Residual	37258.267	412	90.433		
	Total	37942.115	415			
7	Regression	580.507	2	290.253	3.208	.041 <sup>i</sup>
	Residual	37361.609	413	90.464		
	Total	37942.115	415			
8	Regression	497.386	1	497.386	5.499	.019 <sup>j</sup>
	Residual	37444.729	414	90.446		
	Total	37942.115	415			

a. Dependent Variable: S

b. Selecting only cases for which Sex = 2

c. Predictors: (Constant), extrainstrumental, romanticinstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

d. Predictors: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental

e. Predictors: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

f. Predictors: (Constant), extrainstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

g. Predictors: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental

h. Predictors: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental

i. Predictors: (Constant), extrainstrumental, sibinstrumental

j. Predictors: (Constant), sibinstrumental

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	14.689	2.269		6.475	.000
	muminstrumental	.070	.464	.009	.151	.880
	dadinstrumental	.153	.453	.020	.337	.736
	sibinstrumental	-1.044	.446	-.124	-2.342	.020
	relativeinstrumental	-.567	.473	-.063	-1.200	.231
	romanticinstrumental	.041	.366	.006	.112	.911
	samesexinstrumental	-.252	.579	-.024	-.435	.664
	othersexinstrumental	.411	.530	.044	.774	.439
	extrainstrumental	.334	.370	.048	.903	.367
2	(Constant)	14.803	2.025		7.310	.000
	muminstrumental	.075	.461	.009	.162	.871
	dadinstrumental	.151	.453	.019	.333	.739
	sibinstrumental	-1.046	.445	-.125	-2.352	.019
	relativeinstrumental	-.568	.472	-.063	-1.202	.230
	samesexinstrumental	-.249	.578	-.024	-.430	.667
	othersexinstrumental	.407	.529	.044	.770	.442
	extrainstrumental	.337	.369	.048	.915	.361
3	(Constant)	14.899	1.936		7.696	.000
	dadinstrumental	.181	.411	.023	.441	.660
	sibinstrumental	-1.041	.443	-.124	-2.350	.019
	relativeinstrumental	-.558	.468	-.062	-1.193	.234
	samesexinstrumental	-.237	.573	-.023	-.414	.679
	othersexinstrumental	.403	.527	.043	.764	.445
	extrainstrumental	.340	.368	.049	.925	.355
4	(Constant)	14.495	1.671		8.674	.000
	dadinstrumental	.167	.410	.022	.409	.683
	sibinstrumental	-1.047	.442	-.125	-2.367	.018
	relativeinstrumental	-.571	.466	-.063	-1.223	.222
	othersexinstrumental	.322	.489	.035	.658	.511
	extrainstrumental	.323	.365	.046	.886	.376
5	(Constant)	14.766	1.533		9.632	.000
	sibinstrumental	-.995	.423	-.118	-2.351	.019
	relativeinstrumental	-.535	.458	-.059	-1.168	.243
	othersexinstrumental	.331	.488	.036	.678	.498
	extrainstrumental	.323	.365	.046	.887	.376
6	(Constant)	15.216	1.381		11.018	.000
	sibinstrumental	-.969	.421	-.115	-2.299	.022
	relativeinstrumental	-.482	.451	-.054	-1.069	.286
	extrainstrumental	.389	.352	.055	1.106	.269

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)					
	muminstrumental	-.021	.007	.007	.717	1.395
	dadinstrumental	-.025	.017	.017	.704	1.420
	sibinstrumental	-.114	-.115	-.115	.855	1.170
	relativeinstrumental	-.064	-.059	-.059	.872	1.146
	romanticinstrumental	.010	.006	.006	.979	1.021
	samesexinstrumental	-.018	-.022	-.021	.766	1.306
	othersexinstrumental	.017	.038	.038	.743	1.345
	extrainstrumental	.025	.045	.044	.863	1.159
2	(Constant)					
	muminstrumental	-.021	.008	.008	.723	1.383
	dadinstrumental	-.025	.017	.016	.705	1.418
	sibinstrumental	-.114	-.116	-.115	.856	1.168
	relativeinstrumental	-.064	-.059	-.059	.872	1.146
	samesexinstrumental	-.018	-.021	-.021	.767	1.303
	othersexinstrumental	.017	.038	.038	.746	1.341
	extrainstrumental	.025	.045	.045	.868	1.152
3	(Constant)					
	dadinstrumental	-.025	.022	.022	.851	1.175
	sibinstrumental	-.114	-.115	-.115	.862	1.160
	relativeinstrumental	-.064	-.059	-.058	.886	1.129
	samesexinstrumental	-.018	-.020	-.020	.779	1.283
	othersexinstrumental	.017	.038	.037	.747	1.338
	extrainstrumental	.025	.046	.045	.870	1.149
4	(Constant)					
	dadinstrumental	-.025	.020	.020	.857	1.167
	sibinstrumental	-.114	-.116	-.116	.863	1.159
	relativeinstrumental	-.064	-.060	-.060	.889	1.124
	othersexinstrumental	.017	.032	.032	.866	1.155
	extrainstrumental	.025	.044	.043	.881	1.135
5	(Constant)					
	sibinstrumental	-.114	-.115	-.115	.939	1.064
	relativeinstrumental	-.064	-.058	-.057	.922	1.085
	othersexinstrumental	.017	.033	.033	.868	1.152
	extrainstrumental	.025	.044	.043	.881	1.135
6	(Constant)					
	sibinstrumental	-.114	-.113	-.112	.947	1.055
	relativeinstrumental	-.064	-.053	-.052	.950	1.053
	extrainstrumental	.025	.054	.054	.947	1.056

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
7	(Constant)	14.512	1.214		11.952	.000
	sibinstrumental	-1.034	.417	-.123	-2.479	.014
	extrainstrumental	.333	.348	.048	.959	.338
8	(Constant)	15.068	1.067		14.123	.000
	sibinstrumental	-.962	.410	-.114	-2.345	.019

**Coefficients<sup>a,b</sup>**

Model		Correlations			Collinearity Statistics	
		Zero-order	Partial	Part	Tolerance	VIF
7	(Constant)					
	sibinstrumental	-.114	-.121	-.121	.968	1.034
	extrainstrumental	.025	.047	.047	.968	1.034
8	(Constant)					
	sibinstrumental	-.114	-.114	-.114	1.000	1.000

a. Dependent Variable: S

b. Selecting only cases for which Sex = 2

**Collinearity Diagnostics<sup>a,b</sup>**

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrumental	dadinstrumental
1	1	7.956	1.000	.00	.00	.00
	2	.246	5.683	.00	.02	.04
	3	.191	6.462	.01	.00	.02
	4	.174	6.765	.00	.00	.03
	5	.147	7.362	.00	.01	.01
	6	.122	8.067	.00	.11	.27
	7	.071	10.618	.02	.26	.44
	8	.059	11.579	.02	.56	.18
	9	.035	15.177	.94	.03	.01
2	1	7.119	1.000	.00	.00	.00
	2	.245	5.389	.00	.02	.05
	3	.174	6.391	.00	.00	.02
	4	.152	6.843	.01	.00	.01
	5	.129	7.426	.00	.12	.16
	6	.081	9.362	.09	.07	.50
	7	.060	10.904	.03	.72	.26
	8	.040	13.356	.85	.07	.00
3	1	6.208	1.000	.00		.00
	2	.235	5.143	.00		.06

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrumental	relativeinstrumental	romanticinstrumental	samesexinstrumental
1	1	.00	.00	.00	.00
	2	.02	.01	.01	.00
	3	.09	.22	.45	.00
	4	.36	.52	.01	.00
	5	.00	.14	.06	.05
	6	.50	.10	.10	.00
	7	.00	.00	.16	.24
	8	.01	.00	.02	.38
	9	.03	.01	.19	.32
2	1	.00	.00		.00
	2	.02	.02		.00
	3	.28	.65		.00
	4	.08	.25		.07
	5	.59	.07		.00
	6	.00	.00		.15
	7	.01	.00		.24
	8	.02	.00		.54
3	1	.00	.00		.00
	2	.04	.05		.00

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
1	1	.00	.00
	2	.02	.73
	3	.00	.00
	4	.03	.03
	5	.46	.20
	6	.00	.03
	7	.22	.00
	8	.26	.00
	9	.00	.00
2	1	.00	.00
	2	.02	.72
	3	.02	.02
	4	.33	.19
	5	.07	.06
	6	.35	.00
	7	.19	.00
	8	.01	.00
3	1	.00	.01
	2	.01	.78

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	muminstrumetal	dadinstrumental
4	3	.173	5.988	.00		.03
	4	.152	6.393	.01		.01
	5	.113	7.414	.01		.61
	6	.079	8.891	.16		.24
	7	.041	12.319	.81		.04
	1	5.282	1.000	.00		.00
	2	.235	4.745	.00		.07
	3	.173	5.525	.00		.03
	4	.136	6.237	.02		.01
	5	.113	6.848	.01		.64
	6	.062	9.248	.96		.26
5	1	4.408	1.000	.00		
	2	.217	4.503	.01		
	3	.169	5.108	.00		
	4	.136	5.703	.02		
	5	.070	7.920	.96		
6	1	3.531	1.000	.01		
	2	.217	4.031	.01		
	3	.169	4.575	.00		
	4	.083	6.539	.98		
7	1	2.701	1.000	.02		
	2	.205	3.629	.04		
	3	.094	5.350	.95		
8	1	1.899	1.000	.05		
	2	.101	4.346	.95		

### Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions			
		sibinstrument al	relativeinstru mental	romanticinstru mental	samesexinstru mental
4	3	.35	.62		.00
	4	.11	.26		.07
	5	.47	.06		.00
	6	.00	.00		.26
	7	.02	.01		.67
	1	.01	.01		
	2	.04	.05		
	3	.33	.65		
	4	.08	.19		
	5	.50	.08		
	6	.04	.02		
5	1	.01	.01		
	2	.06	.16		
	3	.56	.53		
	4	.14	.21		
	5	.22	.09		
6	1	.01	.01		
	2	.06	.16		
	3	.53	.59		
	4	.39	.23		
7	1	.02			
	2	.28			
	3	.70			
8	1	.05			
	2	.95			

# Collinearity Diagnostics<sup>a,b</sup>

Model	Dimension	Variance Proportions	
		othersexinstru mental	extrainstrume ntal
4	3	.02	.01
	4	.32	.17
	5	.09	.04
	6	.54	.00
	7	.03	.00
	1	.00	.01
	2	.01	.78
	3	.01	.01
	4	.71	.17
	5	.05	.03
	6	.22	.01
5	1	.01	.01
	2	.00	.83
	3	.00	.01
	4	.68	.15
	5	.31	.00
6	1		.02
	2		.90
	3		.02
	4		.06
7	1		.03
	2		.85
	3		.11
8	1		
	2		

a. Dependent Variable: S

b. Selecting only cases for which Sex = 2

**Excluded Variables<sup>a</sup>**

Model		Beta In	t	Sig.	Partial Correlation	Collinearity
						Tolerance
2	romanticinstrumental	.006 <sup>b</sup>	.112	.911	.006	.979
3	romanticinstrumental	.006 <sup>c</sup>	.127	.899	.006	.988
	muminstrumental	.009 <sup>c</sup>	.162	.871	.008	.723
4	romanticinstrumental	.005 <sup>d</sup>	.103	.918	.005	.991
	muminstrumental	.006 <sup>d</sup>	.110	.913	.005	.734
	samesexinstrumental	-.023 <sup>d</sup>	-.414	.679	-.020	.779
5	romanticinstrumental	.005 <sup>e</sup>	.106	.915	.005	.991
	muminstrumental	.014 <sup>e</sup>	.272	.786	.013	.892
	samesexinstrumental	-.021 <sup>e</sup>	-.379	.705	-.019	.785
	dadinstrumental	.022 <sup>e</sup>	.409	.683	.020	.857
6	romanticinstrumental	.004 <sup>f</sup>	.078	.938	.004	.993
	muminstrumental	.015 <sup>f</sup>	.284	.777	.014	.893
	samesexinstrumental	-.005 <sup>f</sup>	-.100	.920	-.005	.911
	dadinstrumental	.023 <sup>f</sup>	.439	.661	.022	.859
	othersexinstrumental	.036 <sup>f</sup>	.678	.498	.033	.868
7	romanticinstrumental	.004 <sup>g</sup>	.073	.942	.004	.993
	muminstrumental	.003 <sup>g</sup>	.060	.952	.003	.931
	samesexinstrumental	-.013 <sup>g</sup>	-.248	.804	-.012	.929
	dadinstrumental	.011 <sup>g</sup>	.219	.827	.011	.894
	othersexinstrumental	.025 <sup>g</sup>	.486	.628	.024	.894
	relativeinstrumental	-.054 <sup>g</sup>	-1.069	.286	-.053	.950
8	romanticinstrumental	.007 <sup>h</sup>	.149	.882	.007	.999
	muminstrumental	.008 <sup>h</sup>	.149	.882	.007	.939
	samesexinstrumental	-.001 <sup>h</sup>	-.028	.978	-.001	.978
	dadinstrumental	.013 <sup>h</sup>	.259	.796	.013	.895
	othersexinstrumental	.037 <sup>h</sup>	.739	.460	.036	.973
	relativeinstrumental	-.045 <sup>h</sup>	-.916	.360	-.045	.971
	extrainstrumental	.048 <sup>h</sup>	.959	.338	.047	.968

**Excluded Variables<sup>a</sup>**

Model		Collinearity Statistics	
		VIF	Minimum Tolerance
2	romanticinstrumental	1.021	.704
3	romanticinstrumental	1.012	.745
	muminstrumental	1.383	.705
4	romanticinstrumental	1.009	.857
	muminstrumental	1.362	.705
	samesexinstrumental	1.283	.747
5	romanticinstrumental	1.009	.866
	muminstrumental	1.121	.868
	samesexinstrumental	1.274	.747
	dadinstrumental	1.167	.857
6	romanticinstrumental	1.007	.941
	muminstrumental	1.120	.893
	samesexinstrumental	1.098	.907
	dadinstrumental	1.164	.859
	othersexinstrumental	1.152	.868
7	romanticinstrumental	1.007	.961
	muminstrumental	1.074	.917
	samesexinstrumental	1.076	.919
	dadinstrumental	1.119	.873
	othersexinstrumental	1.119	.889
	relativeinstrumental	1.053	.947
8	romanticinstrumental	1.001	.999
	muminstrumental	1.064	.939
	samesexinstrumental	1.023	.978
	dadinstrumental	1.117	.895
	othersexinstrumental	1.028	.973
	relativeinstrumental	1.030	.971
	extrainstrumental	1.034	.968

- a. Dependent Variable: S
- b. Predictors in the Model: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental, muminstrumental
- c. Predictors in the Model: (Constant), extrainstrumental, dadinstrumental, samesexinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- d. Predictors in the Model: (Constant), extrainstrumental, dadinstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- e. Predictors in the Model: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental, othersexinstrumental
- f. Predictors in the Model: (Constant), extrainstrumental, relativeinstrumental, sibinstrumental
- g. Predictors in the Model: (Constant), extrainstrumental, sibinstrumental

### Casewise Diagnostics<sup>a</sup>

Case Number	Status	Std. Residual	S	Predicted Value	Residual
481	X <sup>b</sup>	3.098	41	11.54	29.459

a. Dependent Variable: S

b. Sex ~= 2 (Unselected)

### Residuals Statistics<sup>a,b</sup>

	Sex = 2 (Selected)					Sex ~= 2
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	10.26	15.07	12.82	1.095	416	10.26
Residual	-14.068	26.856	.000	9.499	416	-15.068
Std. Predicted Value	-2.337	2.055	.000	1.000	416	-2.337
Std. Residual	-1.479	2.824	.000	.999	416	-1.584

### Residuals Statistics<sup>a,b</sup>

	Sex ~= 2 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	15.07	12.96	1.109	152
Residual	29.459	-1.761	9.615	152
Std. Predicted Value	2.055	.135	1.013	152
Std. Residual	3.098	-.185	1.011	152

a. Dependent Variable: S

b. Pooled Cases