Descriptives

Notes

Output Created		02-SEP-2013 16:06:27
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2800
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES id.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
id	2800	61617	67560	64599.24	1728.527
Valid N (listwise)	2800				

Descriptives

Notes

Output Created		02-SEP-2013 16:06:27
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2488
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		descriptives id.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
id	2488	61617	67560	64602.19	1725.985
Valid N (listwise)	2488				

Frequencies

Notes

Output Created		02-SEP-2013 16:22:11
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2488
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		freq missing_count.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique.sav

Statistics

missing_count

N	Valid	2488
	Missing	0

missing_count

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	2165	87.0	87.0	87.0
	1.00	263	10.6	10.6	97.6
	2.00	44	1.8	1.8	99.4
	3.00	8	.3	.3	99.7
	4.00	2	.1	.1	99.8
	8.00	1	.0	.0	99.8
	9.00	1	.0	.0	99.8
	13.00	1	.0	.0	99.9
	15.00	3	.1	.1	100.0
	Total	2488	100.0	100.0	

Frequencies

Notes

Output Created		02-SEP-2013 17:21:22
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		freq missing_count.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-2.sav
```

Statistics

missing_count

N	Valid	2472
	Missing	0

missing_count

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	2165	87.6	87.6	87.6
	1.00	263	10.6	10.6	98.2
	2.00	44	1.8	1.8	100.0
	Total	2472	100.0	100.0	

Regression

Notes

Output Created		02-SEP-2013 17:33:24
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For each variable used, missing values are replaced with the variable mean.
Syntax		REGRESSION /MISSING MEANSUBSTITUTION /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.04
	Elapsed Time	00:00:00.00
	Memory Required	48880 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	MAH_1	Mahalanobis Distance

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach	.	Enter

a. Dependent Variable: id

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.111[a]	.012	.002	1724.201

a. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

b. Dependent Variable: id

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	90498077.6	25	3619923.11	1.218	.210[b]
	Residual	7.272E+9	2446	2972867.73		
	Total	7.362E+9	2471			

a. Dependent Variable: id

b. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	64284.535	383.996		167.409	.000
	A1 A1: Am indifferent to the feelings of others.	31.646	27.451	.026	1.153	.249
	A2 A2: Inquire about others' well-being.	-50.780	37.202	-.035	-1.365	.172
	A3 A3: Know how to comfort others.	10.042	34.582	.008	.290	.772
	A4 A4: Love children.	24.197	27.045	.021	.895	.371
	A5 A5: Make people feel at ease.	25.469	35.843	.019	.711	.477
	C1 C1: Am exacting in my work.	40.778	33.583	.029	1.214	.225
	C2 C2: Continue until everything is perfect.	64.508	32.844	.049	1.964	.050
	C3 C3: Do things according to a plan.	-26.485	30.769	-.020	-.861	.389
	C4 C4: Do things in a half-way manner.	33.116	32.235	.026	1.027	.304
	C5 C5: Waste my time.	-9.056	26.949	-.009	-.336	.737
	E1 E1: Don't talk a lot.	-22.654	26.209	-.021	-.864	.387
	E2 E2: Find it difficult to approach others.	63.603	29.489	.059	2.157	.031
	E3 E3: Know how to captivate people.	-38.016	33.030	-.030	-1.151	.250
	E4 E4: Make friends easily.	12.423	32.561	.010	.382	.703
	E5 E5: Take charge.	-16.434	32.665	-.013	-.503	.615
	N1 N1: Get angry easily.	4.196	33.695	.004	.125	.901
	N2 N2: Get irritated easily.	-55.463	34.243	-.049	-1.620	.105
	N3 N3: Have frequent mood swings.	5.274	29.716	.005	.177	.859
	N4 N4: Often feel blue.	17.607	29.354	.016	.600	.549
	N5 N5: Panic easily.	-2.338	26.082	-.002	-.090	.929
	O1 O1: Am full of ideas.	36.477	35.579	.024	1.025	.305
	O2 O2: Avoid difficult reading material.	-30.543	24.814	-.028	-1.231	.218

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	O3 O3: Carry the conversation to a higher level.	8.241	35.148	.006	.234	.815
	O4 O4: Spend time reflecting on things.	-31.669	31.616	-.022	-1.002	.317
	O5 O5: Will not probe deeply into a subject.	-9.793	29.767	-.008	-.329	.742

a. Dependent Variable: id

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	63895.11	65600.70	64596.41	191.374	2472
Std. Predicted Value	-3.665	5.248	.000	1.000	2472
Standard Error of Predicted Value	80.840	366.114	169.215	41.092	2472
Adjusted Predicted Value	63753.84	65616.15	64596.38	192.391	2472
Residual	-3262.469	3494.173	.000	1715.456	2472
Std. Residual	-1.892	2.027	.000	.995	2472
Stud. Residual	-1.909	2.074	.000	1.000	2472
Deleted Residual	-3319.437	3659.156	.034	1733.223	2472
Stud. Deleted Residual	-1.910	2.075	.000	1.000	2472
Mahal. Distance	5.219	111.198	24.990	12.541	2472
Cook's Distance	.000	.008	.000	.000	2472
Centered Leverage Value	.002	.045	.010	.005	2472

a. Dependent Variable: id

Regression

Notes

Output Created		02-SEP-2013 17:39:41
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For each variable used, missing values are replaced with the variable mean.
Syntax		REGRESSION /MISSING MEANSUBSTITUTION /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Warnings

Invalid keyword on REGRESSION SAVE subcommand-- Valid keywords are: PRED RESID DRESID ADJPRED ZPRED ZRESID SRESID SDRESID SEPRED MAHAL COOK LEVER FITS COVRATIO DFFIT SDFIT DFBETA SDBETA MCIN ICIN. Check for incorrect syntax. The keyword comes first, followed by the name you have chosen in parentheses. Example: '/SAVE RESID(MYRESID) MAHAL(MYMAHAL)'. Text found: blah

Execution of this command stops.

WARNING REGRESSION syntax scan continues. Further diagnostics from this command may be misleading - interpret with care.

Regression

Notes

Output Created		02-SEP-2013 17:39:50
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For each variable used, missing values are replaced with the variable mean.
Syntax		REGRESSION /MISSING MEANSUBSTITUTION /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Warnings

Invalid keyword on REGRESSION SAVE subcommand-- Valid keywords are: PRED RESID DRESID ADJPRED ZPRED ZRESID SRESID SDRESID SEPRED MAHAL COOK LEVER FITS COVRATIO DFFIT SDFIT DFBETA SDBETA MCIN ICIN. Check for incorrect syntax. The keyword comes first, followed by the name you have chosen in parentheses. Example: '/SAVE RESID(MYRESID) MAHAL(MYMAHAL)'. Text found: [

Execution of this command stops.

WARNING REGRESSION syntax scan continues. Further diagnostics from this command may be misleading - interpret with care.

Regression

Notes

Output Created		02-SEP-2013 17:40:03
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For each variable used, missing values are replaced with the variable mean.
Syntax		REGRESSION /MISSING MEANSUBSTITUTION /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:01.00
	Memory Required	48928 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	blah	Mahalanobis Distance

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1	.	Enter

a. Dependent Variable: id

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.111[a]	.012	.002	1724.201

a. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

b. Dependent Variable: id

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	90498077.6	25	3619923.11	1.218	.210[b]
	Residual	7.272E+9	2446	2972867.73		
	Total	7.362E+9	2471			

a. Dependent Variable: id

b. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	64284.535	384.005		167.405	.000
	A1 A1: Am indifferent to the feelings of others.	31.646	27.451	.026	1.153	.249
	A2 A2: Inquire about others' well-being.	-50.780	37.202	-.035	-1.365	.172
	A3 A3: Know how to comfort others.	10.042	34.582	.008	.290	.772
	A4 A4: Love children.	24.197	27.045	.021	.895	.371
	A5 A5: Make people feel at ease.	25.469	35.843	.019	.711	.477
	C1 C1: Am exacting in my work.	40.778	33.583	.029	1.214	.225
	C2 C2: Continue until everything is perfect.	64.508	32.844	.049	1.964	.050
	C3 C3: Do things according to a plan.	-26.485	30.769	-.020	-.861	.389
	C4 C4: Do things in a half-way manner.	33.116	32.235	.026	1.027	.304
	C5 C5: Waste my time.	-9.056	26.949	-.009	-.336	.737
	E1 E1: Don't talk a lot.	-22.654	26.209	-.021	-.864	.387
	E2 E2: Find it difficult to approach others.	63.603	29.489	.059	2.157	.031
	E3 E3: Know how to captivate people.	-38.016	33.030	-.030	-1.151	.250
	E4 E4: Make friends easily.	12.423	32.561	.010	.382	.703
	E5 E5: Take charge.	-16.434	32.665	-.013	-.503	.615
	N1 N1: Get angry easily.	4.196	33.695	.004	.125	.901
	N2 N2: Get irritated easily.	-55.463	34.243	-.049	-1.620	.105
	N3 N3: Have frequent mood swings.	5.274	29.716	.005	.177	.859
	N4 N4: Often feel blue.	17.607	29.354	.016	.600	.549
	N5 N5: Panic easily.	-2.338	26.082	-.002	-.090	.929
	O1 O1: Am full of ideas.	36.477	35.579	.024	1.025	.305
	O2 O2: Avoid difficult reading material.	-30.543	24.814	-.028	-1.231	.218

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	O3 O3: Carry the conversation to a higher level.	8.241	35.148	.006	.234	.815
	O4 O4: Spend time reflecting on things.	-31.669	31.616	-.022	-1.002	.317
	O5 O5: Will not probe deeply into a subject.	-9.793	29.767	-.008	-.329	.742

a. Dependent Variable: id

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	63895.11	65600.70	64596.41	191.374	2472
Std. Predicted Value	-3.665	5.248	.000	1.000	2472
Standard Error of Predicted Value	80.884	366.123	169.238	41.087	2472
Adjusted Predicted Value	63753.84	65616.15	64596.38	192.392	2472
Residual	-3262.469	3494.173	.000	1715.456	2472
Std. Residual	-1.892	2.027	.000	.995	2472
Stud. Residual	-1.909	2.074	.000	1.000	2472
Deleted Residual	-3319.445	3659.165	.034	1733.227	2472
Stud. Deleted Residual	-1.910	2.075	.000	1.000	2472
Mahal. Distance	5.219	111.198	24.990	12.541	2472
Cook's Distance	.000	.008	.000	.000	2472
Centered Leverage Value	.002	.045	.010	.005	2472

a. Dependent Variable: id

Regression

Notes

Output Created		02-SEP-2013 21:08:00
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	For each variable used, missing values are replaced with the variable mean.
Syntax		REGRESSION /MISSING MEANSUBSTITUTION /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.04
	Elapsed Time	00:00:00.00
	Memory Required	48880 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	mahal_items	Mahalanobis Distance

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor ar
alysis/exercises/data/bfi-unique-2.sav

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1	.	Enter

a. Dependent Variable: id

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.111[a]	.012	.002	1724.201

a. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

b. Dependent Variable: id

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	90498077.6	25	3619923.11	1.218	.210[b]
	Residual	7.272E+9	2446	2972867.73		
	Total	7.362E+9	2471			

a. Dependent Variable: id

b. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , C3 C3: Do things according to a plan. , E1 E1: Don't talk a lot. , A1 A1: Am indifferent to the feelings of others. , O1 O1: Am full of ideas. , O4 O4: Spend time reflecting on things. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , C5 C5: Waste my time. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , C2 C2: Continue until everything is perfect. , A2 A2: Inquire about others' well-being. , E3 E3: Know how to captivate people. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , E2 E2: Find it difficult to approach others. , N1 N1: Get angry easily.

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	64284.535	384.008		167.404	.000
	A1 A1: Am indifferent to the feelings of others.	31.646	27.451	.026	1.153	.249
	A2 A2: Inquire about others' well-being.	-50.780	37.202	-.035	-1.365	.172
	A3 A3: Know how to comfort others.	10.042	34.582	.008	.290	.772
	A4 A4: Love children.	24.197	27.045	.021	.895	.371
	A5 A5: Make people feel at ease.	25.469	35.843	.019	.711	.477
	C1 C1: Am exacting in my work.	40.778	33.583	.029	1.214	.225
	C2 C2: Continue until everything is perfect.	64.508	32.844	.049	1.964	.050
	C3 C3: Do things according to a plan.	-26.485	30.769	-.020	-.861	.389
	C4 C4: Do things in a half-way manner.	33.116	32.235	.026	1.027	.304
	C5 C5: Waste my time.	-9.056	26.949	-.009	-.336	.737
	E1 E1: Don't talk a lot.	-22.654	26.209	-.021	-.864	.387
	E2 E2: Find it difficult to approach others.	63.603	29.489	.059	2.157	.031
	E3 E3: Know how to captivate people.	-38.016	33.030	-.030	-1.151	.250
	E4 E4: Make friends easily.	12.423	32.561	.010	.382	.703
	E5 E5: Take charge.	-16.434	32.665	-.013	-.503	.615
	N1 N1: Get angry easily.	4.196	33.695	.004	.125	.901
	N2 N2: Get irritated easily.	-55.463	34.243	-.049	-1.620	.105
	N3 N3: Have frequent mood swings.	5.274	29.716	.005	.177	.859
	N4 N4: Often feel blue.	17.607	29.354	.016	.600	.549
	N5 N5: Panic easily.	-2.338	26.082	-.002	-.090	.929
	O1 O1: Am full of ideas.	36.477	35.579	.024	1.025	.305
	O2 O2: Avoid difficult reading material.	-30.543	24.814	-.028	-1.231	.218

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	O3 O3: Carry the conversation to a higher level.	8.241	35.148	.006	.234	.815
	O4 O4: Spend time reflecting on things.	-31.669	31.616	-.022	-1.002	.317
	O5 O5: Will not probe deeply into a subject.	-9.793	29.767	-.008	-.329	.742

a. Dependent Variable: id

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	63895.11	65600.70	64596.41	191.374	2472
Std. Predicted Value	-3.665	5.248	.000	1.000	2472
Standard Error of Predicted Value	80.895	366.126	169.243	41.086	2472
Adjusted Predicted Value	63753.83	65616.15	64596.38	192.392	2472
Residual	-3262.469	3494.173	.000	1715.456	2472
Std. Residual	-1.892	2.027	.000	.995	2472
Stud. Residual	-1.909	2.074	.000	1.000	2472
Deleted Residual	-3319.447	3659.167	.034	1733.228	2472
Stud. Deleted Residual	-1.910	2.075	.000	1.000	2472
Mahal. Distance	5.219	111.198	24.990	12.541	2472
Cook's Distance	.000	.008	.000	.000	2472
Centered Leverage Value	.002	.045	.010	.005	2472

a. Dependent Variable: id

Frequencies

Notes

Output Created		02-SEP-2013 21:10:59
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=mahal_items /HISTOGRAM /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.45
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Statistics

mahal_items Mahalanobis Dis

N	Valid	2472
	Missing	0

mahal_items Mahalanobis Distance

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5.21879	1	.0	.0	.0
	5.31246	1	.0	.0	.1
	5.34275	1	.0	.0	.1
	5.44879	1	.0	.0	.2
	5.51686	1	.0	.0	.2
	5.54502	1	.0	.0	.2
	5.79803	1	.0	.0	.3
	6.01914	1	.0	.0	.3
	6.15715	1	.0	.0	.4
	6.19271	1	.0	.0	.4
	6.27329	1	.0	.0	.4
	6.28815	1	.0	.0	.5
	6.34392	1	.0	.0	.5
	6.34840	1	.0	.0	.6
	6.36730	1	.0	.0	.6
	6.37198	1	.0	.0	.6
	6.39336	1	.0	.0	.7
	6.49994	1	.0	.0	.7
	6.55135	1	.0	.0	.8
	6.55420	1	.0	.0	.8
	6.65952	1	.0	.0	.8
	6.70294	1	.0	.0	.9
	6.70567	1	.0	.0	.9
	6.97987	1	.0	.0	1.0
	7.00179	1	.0	.0	1.0
	7.10282	1	.0	.0	1.1
	7.23087	1	.0	.0	1.1
	7.33651	1	.0	.0	1.1
	7.41981	1	.0	.0	1.2
	7.47776	1	.0	.0	1.2
	7.49156	1	.0	.0	1.3
	7.50100	1	.0	.0	1.3
	7.56316	1	.0	.0	1.3
	7.58385	1	.0	.0	1.4
	7.62527	1	.0	.0	1.4
	7.65987	1	.0	.0	1.5
	7.67993	1	.0	.0	1.5
	7.68921	1	.0	.0	1.5
	7.75160	1	.0	.0	1.6
	7.76240	1	.0	.0	1.6
	7.80038	1	.0	.0	1.7
	7.81353	1	.0	.0	1.7
	7.83143	1	.0	.0	1.7
	7.91005	1	.0	.0	1.8
	7.94309	1	.0	.0	1.8
	7.98180	1	.0	.0	1.9
	7.98371	1	.0	.0	1.9
	7.99692	1	.0	.0	1.9
	8.02164	1	.0	.0	2.0
	8.04832	1	.0	.0	2.0
	8.06628	1	.0	.0	2.1
	8.13992	1	.0	.0	2.1
	8.15215	1	.0	.0	2.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
8.21065	1	.0	.0	2.2
8.21122	1	.0	.0	2.2
8.23954	1	.0	.0	2.3
8.26085	1	.0	.0	2.3
8.41449	1	.0	.0	2.3
8.41587	1	.0	.0	2.4
8.48561	1	.0	.0	2.4
8.48683	1	.0	.0	2.5
8.51393	1	.0	.0	2.5
8.54690	1	.0	.0	2.5
8.58535	1	.0	.0	2.6
8.68486	1	.0	.0	2.6
8.69230	1	.0	.0	2.7
8.73710	1	.0	.0	2.7
8.75790	1	.0	.0	2.8
8.78724	1	.0	.0	2.8
8.81206	1	.0	.0	2.8
8.83591	1	.0	.0	2.9
8.87118	1	.0	.0	2.9
8.88003	1	.0	.0	3.0
8.90298	1	.0	.0	3.0
8.93597	1	.0	.0	3.0
8.94553	1	.0	.0	3.1
8.96470	1	.0	.0	3.1
8.97419	1	.0	.0	3.2
8.98946	1	.0	.0	3.2
8.99739	1	.0	.0	3.2
9.06904	1	.0	.0	3.3
9.07167	1	.0	.0	3.3
9.08648	1	.0	.0	3.4
9.08654	1	.0	.0	3.4
9.10091	1	.0	.0	3.4
9.12896	1	.0	.0	3.5
9.12983	1	.0	.0	3.5
9.13601	1	.0	.0	3.6
9.14033	1	.0	.0	3.6
9.15379	1	.0	.0	3.6
9.16809	1	.0	.0	3.7
9.18120	1	.0	.0	3.7
9.22015	1	.0	.0	3.8
9.23831	1	.0	.0	3.8
9.24086	1	.0	.0	3.8
9.24118	1	.0	.0	3.9
9.24466	1	.0	.0	3.9
9.28257	1	.0	.0	4.0
9.30376	1	.0	.0	4.0
9.30874	1	.0	.0	4.0
9.34634	1	.0	.0	4.1
9.35399	1	.0	.0	4.1
9.35925	1	.0	.0	4.2
9.38050	1	.0	.0	4.2
9.40423	1	.0	.0	4.2
9.40481	1	.0	.0	4.3

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
9.41600	1	.0	.0	4.3
9.47235	1	.0	.0	4.4
9.47249	1	.0	.0	4.4
9.53020	1	.0	.0	4.4
9.53457	1	.0	.0	4.5
9.54874	1	.0	.0	4.5
9.56527	1	.0	.0	4.6
9.56866	1	.0	.0	4.6
9.64891	1	.0	.0	4.7
9.69666	1	.0	.0	4.7
9.76526	1	.0	.0	4.7
9.80587	1	.0	.0	4.8
9.81737	1	.0	.0	4.8
9.86734	1	.0	.0	4.9
9.88351	1	.0	.0	4.9
9.91451	1	.0	.0	4.9
9.92316	1	.0	.0	5.0
9.93116	1	.0	.0	5.0
9.97082	1	.0	.0	5.1
9.98021	1	.0	.0	5.1
9.99613	1	.0	.0	5.1
9.99995	1	.0	.0	5.2
10.03603	1	.0	.0	5.2
10.05587	1	.0	.0	5.3
10.07837	1	.0	.0	5.3
10.10431	1	.0	.0	5.3
10.12623	1	.0	.0	5.4
10.14674	1	.0	.0	5.4
10.15138	1	.0	.0	5.5
10.17530	1	.0	.0	5.5
10.19385	1	.0	.0	5.5
10.19948	1	.0	.0	5.6
10.21223	1	.0	.0	5.6
10.21681	1	.0	.0	5.7
10.21911	1	.0	.0	5.7
10.23621	1	.0	.0	5.7
10.24612	1	.0	.0	5.8
10.24669	1	.0	.0	5.8
10.24960	1	.0	.0	5.9
10.27387	1	.0	.0	5.9
10.28390	1	.0	.0	5.9
10.29008	1	.0	.0	6.0
10.29934	1	.0	.0	6.0
10.30380	1	.0	.0	6.1
10.30759	1	.0	.0	6.1
10.31114	1	.0	.0	6.1
10.32079	1	.0	.0	6.2
10.32436	1	.0	.0	6.2
10.35213	1	.0	.0	6.3
10.35462	1	.0	.0	6.3
10.36051	1	.0	.0	6.4
10.36108	1	.0	.0	6.4
10.36195	1	.0	.0	6.4

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
10.36646	1	.0	.0	6.5
10.41378	1	.0	.0	6.5
10.42017	1	.0	.0	6.6
10.42025	1	.0	.0	6.6
10.43490	1	.0	.0	6.6
10.46276	1	.0	.0	6.7
10.46968	1	.0	.0	6.7
10.50024	1	.0	.0	6.8
10.50516	1	.0	.0	6.8
10.52497	1	.0	.0	6.8
10.53021	1	.0	.0	6.9
10.54767	1	.0	.0	6.9
10.60206	1	.0	.0	7.0
10.61093	1	.0	.0	7.0
10.61347	1	.0	.0	7.0
10.64533	1	.0	.0	7.1
10.65057	1	.0	.0	7.1
10.66755	1	.0	.0	7.2
10.69117	1	.0	.0	7.2
10.69582	1	.0	.0	7.2
10.70464	1	.0	.0	7.3
10.72676	1	.0	.0	7.3
10.72951	1	.0	.0	7.4
10.73361	1	.0	.0	7.4
10.77085	1	.0	.0	7.4
10.77780	1	.0	.0	7.5
10.79430	1	.0	.0	7.5
10.80051	1	.0	.0	7.6
10.80147	1	.0	.0	7.6
10.85889	1	.0	.0	7.6
10.86805	1	.0	.0	7.7
10.87087	1	.0	.0	7.7
10.89025	1	.0	.0	7.8
10.92562	1	.0	.0	7.8
10.93582	1	.0	.0	7.8
10.94824	1	.0	.0	7.9
10.94902	1	.0	.0	7.9
10.95620	1	.0	.0	8.0
10.96462	1	.0	.0	8.0
10.97146	1	.0	.0	8.1
10.98907	1	.0	.0	8.1
10.99942	1	.0	.0	8.1
11.00936	1	.0	.0	8.2
11.02348	1	.0	.0	8.2
11.02817	1	.0	.0	8.3
11.05155	1	.0	.0	8.3
11.05182	1	.0	.0	8.3
11.05340	1	.0	.0	8.4
11.06182	1	.0	.0	8.4
11.06348	1	.0	.0	8.5
11.06621	1	.0	.0	8.5
11.06633	1	.0	.0	8.5
11.07574	1	.0	.0	8.6

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
11.08602	1	.0	.0	8.6
11.10519	1	.0	.0	8.7
11.13212	1	.0	.0	8.7
11.16378	1	.0	.0	8.7
11.17050	1	.0	.0	8.8
11.18927	1	.0	.0	8.8
11.21295	1	.0	.0	8.9
11.22820	1	.0	.0	8.9
11.23538	1	.0	.0	8.9
11.23557	1	.0	.0	9.0
11.24310	1	.0	.0	9.0
11.26145	1	.0	.0	9.1
11.27491	1	.0	.0	9.1
11.29867	1	.0	.0	9.1
11.33281	1	.0	.0	9.2
11.34556	1	.0	.0	9.2
11.36049	1	.0	.0	9.3
11.39256	1	.0	.0	9.3
11.39512	1	.0	.0	9.3
11.39612	1	.0	.0	9.4
11.41009	1	.0	.0	9.4
11.41955	1	.0	.0	9.5
11.42522	1	.0	.0	9.5
11.46731	1	.0	.0	9.5
11.46792	1	.0	.0	9.6
11.47856	1	.0	.0	9.6
11.50995	1	.0	.0	9.7
11.54719	1	.0	.0	9.7
11.54918	1	.0	.0	9.7
11.59893	1	.0	.0	9.8
11.61422	1	.0	.0	9.8
11.62911	1	.0	.0	9.9
11.62939	1	.0	.0	9.9
11.62980	1	.0	.0	10.0
11.63514	1	.0	.0	10.0
11.63825	1	.0	.0	10.0
11.65625	1	.0	.0	10.1
11.71632	1	.0	.0	10.1
11.71858	1	.0	.0	10.2
11.72774	1	.0	.0	10.2
11.74100	1	.0	.0	10.2
11.76100	1	.0	.0	10.3
11.76234	1	.0	.0	10.3
11.76393	1	.0	.0	10.4
11.79131	1	.0	.0	10.4
11.79920	1	.0	.0	10.4
11.81140	1	.0	.0	10.5
11.82590	1	.0	.0	10.5
11.82805	1	.0	.0	10.6
11.83485	1	.0	.0	10.6
11.86480	1	.0	.0	10.6
11.86933	1	.0	.0	10.7
11.89041	1	.0	.0	10.7

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
11.90537	1	.0	.0	10.8
11.90840	1	.0	.0	10.8
11.93901	1	.0	.0	10.8
11.95902	1	.0	.0	10.9
11.96285	1	.0	.0	10.9
11.97124	1	.0	.0	11.0
11.98263	1	.0	.0	11.0
11.99727	1	.0	.0	11.0
12.00895	1	.0	.0	11.1
12.00977	1	.0	.0	11.1
12.01309	1	.0	.0	11.2
12.01558	1	.0	.0	11.2
12.01900	1	.0	.0	11.2
12.02008	1	.0	.0	11.3
12.02294	1	.0	.0	11.3
12.04645	1	.0	.0	11.4
12.05021	1	.0	.0	11.4
12.05289	1	.0	.0	11.4
12.08977	1	.0	.0	11.5
12.09032	1	.0	.0	11.5
12.11435	1	.0	.0	11.6
12.16534	1	.0	.0	11.6
12.17252	1	.0	.0	11.7
12.18399	1	.0	.0	11.7
12.18617	1	.0	.0	11.7
12.19038	1	.0	.0	11.8
12.19627	1	.0	.0	11.8
12.23091	1	.0	.0	11.9
12.23155	1	.0	.0	11.9
12.23288	1	.0	.0	11.9
12.24047	1	.0	.0	12.0
12.24665	1	.0	.0	12.0
12.27678	1	.0	.0	12.1
12.29247	1	.0	.0	12.1
12.29420	1	.0	.0	12.1
12.29554	1	.0	.0	12.2
12.29830	1	.0	.0	12.2
12.31842	1	.0	.0	12.3
12.33444	1	.0	.0	12.3
12.34796	1	.0	.0	12.3
12.35702	1	.0	.0	12.4
12.36077	1	.0	.0	12.4
12.36806	1	.0	.0	12.5
12.37514	1	.0	.0	12.5
12.40870	1	.0	.0	12.5
12.44094	1	.0	.0	12.6
12.44180	1	.0	.0	12.6
12.47007	1	.0	.0	12.7
12.49151	1	.0	.0	12.7
12.49341	1	.0	.0	12.7
12.50908	1	.0	.0	12.8
12.52125	1	.0	.0	12.8
12.52652	1	.0	.0	12.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
12.55209	1	.0	.0	12.9
12.58836	1	.0	.0	12.9
12.60934	1	.0	.0	13.0
12.63689	1	.0	.0	13.0
12.63893	1	.0	.0	13.1
12.63948	1	.0	.0	13.1
12.66118	1	.0	.0	13.1
12.67170	1	.0	.0	13.2
12.69689	1	.0	.0	13.2
12.70943	1	.0	.0	13.3
12.73413	1	.0	.0	13.3
12.74610	1	.0	.0	13.3
12.76395	1	.0	.0	13.4
12.77121	1	.0	.0	13.4
12.77300	1	.0	.0	13.5
12.77873	1	.0	.0	13.5
12.78194	1	.0	.0	13.6
12.81993	1	.0	.0	13.6
12.83204	1	.0	.0	13.6
12.83710	1	.0	.0	13.7
12.84095	1	.0	.0	13.7
12.84758	1	.0	.0	13.8
12.85437	1	.0	.0	13.8
12.88789	1	.0	.0	13.8
12.89447	1	.0	.0	13.9
12.90385	1	.0	.0	13.9
12.90801	1	.0	.0	14.0
12.90905	1	.0	.0	14.0
12.90967	1	.0	.0	14.0
12.91557	1	.0	.0	14.1
12.91919	1	.0	.0	14.1
12.93073	1	.0	.0	14.2
12.95197	1	.0	.0	14.2
12.95864	1	.0	.0	14.2
12.97112	1	.0	.0	14.3
12.97415	1	.0	.0	14.3
12.98637	1	.0	.0	14.4
12.98988	1	.0	.0	14.4
13.02374	1	.0	.0	14.4
13.03726	1	.0	.0	14.5
13.03951	1	.0	.0	14.5
13.07780	1	.0	.0	14.6
13.08036	1	.0	.0	14.6
13.08996	1	.0	.0	14.6
13.09493	1	.0	.0	14.7
13.09861	1	.0	.0	14.7
13.10510	1	.0	.0	14.8
13.10553	1	.0	.0	14.8
13.13917	1	.0	.0	14.8
13.14055	1	.0	.0	14.9
13.15520	1	.0	.0	14.9
13.16110	1	.0	.0	15.0
13.16995	1	.0	.0	15.0

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
13.18956	1	.0	.0	15.0
13.20062	1	.0	.0	15.1
13.22186	1	.0	.0	15.1
13.25014	1	.0	.0	15.2
13.28798	1	.0	.0	15.2
13.28809	1	.0	.0	15.3
13.28866	1	.0	.0	15.3
13.29641	1	.0	.0	15.3
13.30008	1	.0	.0	15.4
13.30083	1	.0	.0	15.4
13.30756	1	.0	.0	15.5
13.34634	1	.0	.0	15.5
13.35686	1	.0	.0	15.5
13.36387	1	.0	.0	15.6
13.37009	1	.0	.0	15.6
13.38911	1	.0	.0	15.7
13.39669	1	.0	.0	15.7
13.41555	1	.0	.0	15.7
13.43642	1	.0	.0	15.8
13.45636	1	.0	.0	15.8
13.46619	1	.0	.0	15.9
13.48416	1	.0	.0	15.9
13.49818	1	.0	.0	15.9
13.51265	1	.0	.0	16.0
13.52114	1	.0	.0	16.0
13.52198	1	.0	.0	16.1
13.52489	1	.0	.0	16.1
13.54789	1	.0	.0	16.1
13.54841	1	.0	.0	16.2
13.55083	1	.0	.0	16.2
13.56744	1	.0	.0	16.3
13.57823	1	.0	.0	16.3
13.60194	1	.0	.0	16.3
13.61285	1	.0	.0	16.4
13.61575	1	.0	.0	16.4
13.61705	1	.0	.0	16.5
13.63268	1	.0	.0	16.5
13.63844	1	.0	.0	16.5
13.64681	1	.0	.0	16.6
13.65572	1	.0	.0	16.6
13.66035	1	.0	.0	16.7
13.66933	1	.0	.0	16.7
13.67590	1	.0	.0	16.7
13.69968	1	.0	.0	16.8
13.70090	1	.0	.0	16.8
13.70889	1	.0	.0	16.9
13.72434	1	.0	.0	16.9
13.74490	1	.0	.0	16.9
13.76483	1	.0	.0	17.0
13.80555	1	.0	.0	17.0
13.80760	1	.0	.0	17.1
13.80942	1	.0	.0	17.1
13.86286	1	.0	.0	17.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
13.86934	1	.0	.0	17.2
13.87740	1	.0	.0	17.2
13.88016	1	.0	.0	17.3
13.88316	1	.0	.0	17.3
13.89677	1	.0	.0	17.4
13.91306	1	.0	.0	17.4
13.95140	1	.0	.0	17.4
13.95380	1	.0	.0	17.5
13.98059	1	.0	.0	17.5
13.98676	1	.0	.0	17.6
13.99064	1	.0	.0	17.6
13.99948	1	.0	.0	17.6
14.01603	1	.0	.0	17.7
14.01970	1	.0	.0	17.7
14.02338	1	.0	.0	17.8
14.04486	1	.0	.0	17.8
14.07089	1	.0	.0	17.8
14.09620	1	.0	.0	17.9
14.10770	1	.0	.0	17.9
14.13154	1	.0	.0	18.0
14.13744	1	.0	.0	18.0
14.14198	1	.0	.0	18.0
14.14954	1	.0	.0	18.1
14.16524	1	.0	.0	18.1
14.16681	1	.0	.0	18.2
14.19027	1	.0	.0	18.2
14.19176	1	.0	.0	18.2
14.19380	1	.0	.0	18.3
14.19603	1	.0	.0	18.3
14.19984	1	.0	.0	18.4
14.22235	1	.0	.0	18.4
14.23739	1	.0	.0	18.4
14.24914	1	.0	.0	18.5
14.25039	1	.0	.0	18.5
14.25090	1	.0	.0	18.6
14.25427	1	.0	.0	18.6
14.25778	1	.0	.0	18.6
14.26911	1	.0	.0	18.7
14.27332	1	.0	.0	18.7
14.28191	1	.0	.0	18.8
14.28558	1	.0	.0	18.8
14.30099	1	.0	.0	18.9
14.30448	1	.0	.0	18.9
14.30505	1	.0	.0	18.9
14.33956	1	.0	.0	19.0
14.34370	1	.0	.0	19.0
14.35079	1	.0	.0	19.1
14.38192	1	.0	.0	19.1
14.38611	1	.0	.0	19.1
14.39312	1	.0	.0	19.2
14.39777	1	.0	.0	19.2
14.41023	1	.0	.0	19.3
14.41759	1	.0	.0	19.3

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
14.43898	1	.0	.0	19.3
14.44585	1	.0	.0	19.4
14.47321	1	.0	.0	19.4
14.48908	1	.0	.0	19.5
14.50477	1	.0	.0	19.5
14.51230	1	.0	.0	19.5
14.52350	1	.0	.0	19.6
14.52839	1	.0	.0	19.6
14.55984	1	.0	.0	19.7
14.56042	1	.0	.0	19.7
14.59734	1	.0	.0	19.7
14.59788	1	.0	.0	19.8
14.60209	1	.0	.0	19.8
14.61007	1	.0	.0	19.9
14.64352	1	.0	.0	19.9
14.64963	1	.0	.0	19.9
14.65191	1	.0	.0	20.0
14.65864	1	.0	.0	20.0
14.66432	1	.0	.0	20.1
14.68166	1	.0	.0	20.1
14.69711	1	.0	.0	20.1
14.70766	1	.0	.0	20.2
14.71802	1	.0	.0	20.2
14.72375	1	.0	.0	20.3
14.75518	1	.0	.0	20.3
14.76376	1	.0	.0	20.3
14.76737	1	.0	.0	20.4
14.79350	1	.0	.0	20.4
14.79383	1	.0	.0	20.5
14.79431	1	.0	.0	20.5
14.79662	1	.0	.0	20.6
14.80915	1	.0	.0	20.6
14.81589	1	.0	.0	20.6
14.82367	1	.0	.0	20.7
14.84767	1	.0	.0	20.7
14.86812	1	.0	.0	20.8
14.88829	1	.0	.0	20.8
14.91121	1	.0	.0	20.8
14.92154	1	.0	.0	20.9
14.92987	1	.0	.0	20.9
14.93037	1	.0	.0	21.0
14.94225	1	.0	.0	21.0
14.95526	1	.0	.0	21.0
14.95918	1	.0	.0	21.1
14.96240	1	.0	.0	21.1
14.96942	1	.0	.0	21.2
14.97283	1	.0	.0	21.2
14.97608	1	.0	.0	21.2
14.98696	1	.0	.0	21.3
14.99483	1	.0	.0	21.3
14.99822	1	.0	.0	21.4
15.00359	1	.0	.0	21.4
15.01269	1	.0	.0	21.4

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
15.02470	1	.0	.0	21.5
15.05492	1	.0	.0	21.5
15.06258	1	.0	.0	21.6
15.06539	1	.0	.0	21.6
15.07243	1	.0	.0	21.6
15.08705	1	.0	.0	21.7
15.09689	1	.0	.0	21.7
15.10685	1	.0	.0	21.8
15.10731	1	.0	.0	21.8
15.12166	1	.0	.0	21.8
15.13369	1	.0	.0	21.9
15.14484	1	.0	.0	21.9
15.14796	1	.0	.0	22.0
15.15014	1	.0	.0	22.0
15.18990	1	.0	.0	22.0
15.19588	1	.0	.0	22.1
15.21573	1	.0	.0	22.1
15.22170	1	.0	.0	22.2
15.25048	1	.0	.0	22.2
15.27043	1	.0	.0	22.2
15.28816	1	.0	.0	22.3
15.29548	1	.0	.0	22.3
15.30110	1	.0	.0	22.4
15.30218	1	.0	.0	22.4
15.34938	1	.0	.0	22.5
15.35926	1	.0	.0	22.5
15.36464	1	.0	.0	22.5
15.37029	1	.0	.0	22.6
15.37566	1	.0	.0	22.6
15.38553	1	.0	.0	22.7
15.40979	1	.0	.0	22.7
15.41114	1	.0	.0	22.7
15.41768	1	.0	.0	22.8
15.42562	1	.0	.0	22.8
15.45501	1	.0	.0	22.9
15.45523	1	.0	.0	22.9
15.46683	1	.0	.0	22.9
15.46873	1	.0	.0	23.0
15.48213	1	.0	.0	23.0
15.48651	1	.0	.0	23.1
15.49588	1	.0	.0	23.1
15.50192	1	.0	.0	23.1
15.50239	1	.0	.0	23.2
15.53336	1	.0	.0	23.2
15.54156	1	.0	.0	23.3
15.54306	1	.0	.0	23.3
15.54987	1	.0	.0	23.3
15.55251	1	.0	.0	23.4
15.55477	1	.0	.0	23.4
15.56341	1	.0	.0	23.5
15.58187	1	.0	.0	23.5
15.58232	1	.0	.0	23.5
15.58981	1	.0	.0	23.6

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
15.59232	1	.0	.0	23.6
15.59855	1	.0	.0	23.7
15.59934	1	.0	.0	23.7
15.60882	1	.0	.0	23.7
15.62648	1	.0	.0	23.8
15.64071	1	.0	.0	23.8
15.64107	1	.0	.0	23.9
15.64652	1	.0	.0	23.9
15.65920	1	.0	.0	23.9
15.66844	1	.0	.0	24.0
15.67515	1	.0	.0	24.0
15.68143	1	.0	.0	24.1
15.68467	1	.0	.0	24.1
15.69156	1	.0	.0	24.2
15.69164	1	.0	.0	24.2
15.69535	1	.0	.0	24.2
15.70742	1	.0	.0	24.3
15.71011	1	.0	.0	24.3
15.71081	1	.0	.0	24.4
15.71721	1	.0	.0	24.4
15.72180	1	.0	.0	24.4
15.73035	1	.0	.0	24.5
15.76894	1	.0	.0	24.5
15.76903	1	.0	.0	24.6
15.78254	1	.0	.0	24.6
15.78895	1	.0	.0	24.6
15.79040	1	.0	.0	24.7
15.79545	1	.0	.0	24.7
15.80894	1	.0	.0	24.8
15.80914	1	.0	.0	24.8
15.81243	1	.0	.0	24.8
15.81896	1	.0	.0	24.9
15.82077	1	.0	.0	24.9
15.83106	1	.0	.0	25.0
15.83784	1	.0	.0	25.0
15.84279	1	.0	.0	25.0
15.84330	1	.0	.0	25.1
15.84582	1	.0	.0	25.1
15.85250	1	.0	.0	25.2
15.85289	1	.0	.0	25.2
15.85673	1	.0	.0	25.2
15.88975	1	.0	.0	25.3
15.89965	1	.0	.0	25.3
15.90515	1	.0	.0	25.4
15.90619	1	.0	.0	25.4
15.91314	1	.0	.0	25.4
15.92049	1	.0	.0	25.5
15.93506	1	.0	.0	25.5
15.95593	1	.0	.0	25.6
15.96098	1	.0	.0	25.6
15.96810	1	.0	.0	25.6
15.97065	1	.0	.0	25.7
15.97213	1	.0	.0	25.7

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
15.97680	1	.0	.0	25.8
16.00645	1	.0	.0	25.8
16.01409	1	.0	.0	25.8
16.03883	1	.0	.0	25.9
16.04712	1	.0	.0	25.9
16.05291	1	.0	.0	26.0
16.06748	1	.0	.0	26.0
16.08055	1	.0	.0	26.1
16.08158	1	.0	.0	26.1
16.09272	1	.0	.0	26.1
16.12382	1	.0	.0	26.2
16.13059	1	.0	.0	26.2
16.15346	1	.0	.0	26.3
16.16107	1	.0	.0	26.3
16.19368	1	.0	.0	26.3
16.19624	1	.0	.0	26.4
16.20144	1	.0	.0	26.4
16.20664	1	.0	.0	26.5
16.21615	1	.0	.0	26.5
16.21853	1	.0	.0	26.5
16.26848	1	.0	.0	26.6
16.28872	1	.0	.0	26.6
16.29729	1	.0	.0	26.7
16.30573	1	.0	.0	26.7
16.31494	1	.0	.0	26.7
16.32287	1	.0	.0	26.8
16.33405	2	.1	.1	26.9
16.34213	1	.0	.0	26.9
16.34618	1	.0	.0	26.9
16.35708	1	.0	.0	27.0
16.36233	1	.0	.0	27.0
16.38175	1	.0	.0	27.1
16.39215	1	.0	.0	27.1
16.40051	1	.0	.0	27.1
16.41532	1	.0	.0	27.2
16.42249	1	.0	.0	27.2
16.43717	1	.0	.0	27.3
16.43872	1	.0	.0	27.3
16.46565	1	.0	.0	27.3
16.47173	1	.0	.0	27.4
16.47250	1	.0	.0	27.4
16.48597	1	.0	.0	27.5
16.48811	1	.0	.0	27.5
16.49345	1	.0	.0	27.5
16.50547	1	.0	.0	27.6
16.50661	1	.0	.0	27.6
16.50840	1	.0	.0	27.7
16.51155	1	.0	.0	27.7
16.52985	1	.0	.0	27.8
16.53644	1	.0	.0	27.8
16.55229	1	.0	.0	27.8
16.55580	1	.0	.0	27.9
16.56558	1	.0	.0	27.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
16.57776	1	.0	.0	28.0
16.58411	1	.0	.0	28.0
16.60791	1	.0	.0	28.0
16.63111	1	.0	.0	28.1
16.65053	1	.0	.0	28.1
16.66949	1	.0	.0	28.2
16.67630	1	.0	.0	28.2
16.68705	1	.0	.0	28.2
16.69135	1	.0	.0	28.3
16.69530	1	.0	.0	28.3
16.69592	1	.0	.0	28.4
16.69629	1	.0	.0	28.4
16.70190	1	.0	.0	28.4
16.70217	1	.0	.0	28.5
16.70374	1	.0	.0	28.5
16.71575	1	.0	.0	28.6
16.72149	1	.0	.0	28.6
16.72459	1	.0	.0	28.6
16.72551	1	.0	.0	28.7
16.73590	1	.0	.0	28.7
16.73683	1	.0	.0	28.8
16.73954	1	.0	.0	28.8
16.75131	1	.0	.0	28.8
16.75486	1	.0	.0	28.9
16.76436	1	.0	.0	28.9
16.77093	1	.0	.0	29.0
16.78021	1	.0	.0	29.0
16.80545	1	.0	.0	29.0
16.80667	1	.0	.0	29.1
16.80791	1	.0	.0	29.1
16.81658	1	.0	.0	29.2
16.82015	1	.0	.0	29.2
16.82067	1	.0	.0	29.2
16.83032	1	.0	.0	29.3
16.84273	1	.0	.0	29.3
16.84390	1	.0	.0	29.4
16.85196	1	.0	.0	29.4
16.86468	1	.0	.0	29.4
16.88599	1	.0	.0	29.5
16.89224	1	.0	.0	29.5
16.89294	1	.0	.0	29.6
16.90252	1	.0	.0	29.6
16.90295	1	.0	.0	29.7
16.93064	1	.0	.0	29.7
16.93647	1	.0	.0	29.7
16.95918	1	.0	.0	29.8
16.97119	1	.0	.0	29.8
16.97594	1	.0	.0	29.9
16.97841	1	.0	.0	29.9
16.98259	1	.0	.0	29.9
16.99457	1	.0	.0	30.0
17.00291	1	.0	.0	30.0
17.00291	1	.0	.0	30.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
17.03041	1	.0	.0	30.1
17.04440	1	.0	.0	30.1
17.05255	1	.0	.0	30.2
17.05987	1	.0	.0	30.2
17.07831	1	.0	.0	30.3
17.08113	1	.0	.0	30.3
17.10091	1	.0	.0	30.3
17.10900	1	.0	.0	30.4
17.11433	1	.0	.0	30.4
17.11443	1	.0	.0	30.5
17.11672	1	.0	.0	30.5
17.13754	1	.0	.0	30.5
17.17332	1	.0	.0	30.6
17.17712	1	.0	.0	30.6
17.18246	1	.0	.0	30.7
17.18497	1	.0	.0	30.7
17.19343	1	.0	.0	30.7
17.20843	1	.0	.0	30.8
17.22640	1	.0	.0	30.8
17.23611	1	.0	.0	30.9
17.23702	1	.0	.0	30.9
17.25564	1	.0	.0	30.9
17.27224	1	.0	.0	31.0
17.27509	1	.0	.0	31.0
17.28069	1	.0	.0	31.1
17.30596	1	.0	.0	31.1
17.30624	1	.0	.0	31.1
17.31746	1	.0	.0	31.2
17.31808	1	.0	.0	31.2
17.33309	1	.0	.0	31.3
17.33899	1	.0	.0	31.3
17.35031	1	.0	.0	31.4
17.35464	1	.0	.0	31.4
17.36053	1	.0	.0	31.4
17.41642	1	.0	.0	31.5
17.42014	1	.0	.0	31.5
17.42716	1	.0	.0	31.6
17.44742	1	.0	.0	31.6
17.47680	1	.0	.0	31.6
17.47948	1	.0	.0	31.7
17.48261	1	.0	.0	31.7
17.48564	1	.0	.0	31.8
17.49641	1	.0	.0	31.8
17.50136	1	.0	.0	31.8
17.51523	1	.0	.0	31.9
17.52020	1	.0	.0	31.9
17.52128	1	.0	.0	32.0
17.52355	1	.0	.0	32.0
17.52540	1	.0	.0	32.0
17.53673	1	.0	.0	32.1
17.53757	1	.0	.0	32.1
17.54390	1	.0	.0	32.2
17.55147	1	.0	.0	32.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
17.55427	1	.0	.0	32.2
17.55460	1	.0	.0	32.3
17.55515	1	.0	.0	32.3
17.58832	1	.0	.0	32.4
17.59133	1	.0	.0	32.4
17.62453	1	.0	.0	32.4
17.63227	1	.0	.0	32.5
17.64401	1	.0	.0	32.5
17.64781	1	.0	.0	32.6
17.66304	1	.0	.0	32.6
17.66781	1	.0	.0	32.6
17.67955	1	.0	.0	32.7
17.68616	1	.0	.0	32.7
17.69698	1	.0	.0	32.8
17.70162	1	.0	.0	32.8
17.71037	1	.0	.0	32.8
17.72587	1	.0	.0	32.9
17.73678	1	.0	.0	32.9
17.75303	1	.0	.0	33.0
17.78305	1	.0	.0	33.0
17.78844	1	.0	.0	33.1
17.80872	1	.0	.0	33.1
17.86928	1	.0	.0	33.1
17.88740	1	.0	.0	33.2
17.89305	1	.0	.0	33.2
17.91669	1	.0	.0	33.3
17.91682	1	.0	.0	33.3
17.92414	1	.0	.0	33.3
17.94545	1	.0	.0	33.4
17.94794	1	.0	.0	33.4
17.94981	1	.0	.0	33.5
17.95102	1	.0	.0	33.5
17.97123	1	.0	.0	33.5
17.97779	1	.0	.0	33.6
17.98257	1	.0	.0	33.6
17.99133	1	.0	.0	33.7
17.99946	1	.0	.0	33.7
17.99993	1	.0	.0	33.7
18.00223	1	.0	.0	33.8
18.00893	1	.0	.0	33.8
18.02200	1	.0	.0	33.9
18.03114	1	.0	.0	33.9
18.04360	1	.0	.0	33.9
18.05614	1	.0	.0	34.0
18.05684	1	.0	.0	34.0
18.06543	1	.0	.0	34.1
18.09109	1	.0	.0	34.1
18.09187	1	.0	.0	34.1
18.09876	1	.0	.0	34.2
18.11099	1	.0	.0	34.2
18.12445	1	.0	.0	34.3
18.13662	1	.0	.0	34.3
18.15387	1	.0	.0	34.3

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
18.15975	1	.0	.0	34.4
18.16595	1	.0	.0	34.4
18.18239	1	.0	.0	34.5
18.18801	1	.0	.0	34.5
18.19974	1	.0	.0	34.5
18.22549	1	.0	.0	34.6
18.23181	1	.0	.0	34.6
18.23302	1	.0	.0	34.7
18.25259	1	.0	.0	34.7
18.26282	1	.0	.0	34.7
18.26961	1	.0	.0	34.8
18.28114	1	.0	.0	34.8
18.28730	1	.0	.0	34.9
18.29662	1	.0	.0	34.9
18.30054	1	.0	.0	35.0
18.30180	1	.0	.0	35.0
18.30374	1	.0	.0	35.0
18.32435	1	.0	.0	35.1
18.32698	1	.0	.0	35.1
18.33249	1	.0	.0	35.2
18.33854	1	.0	.0	35.2
18.34369	1	.0	.0	35.2
18.36454	1	.0	.0	35.3
18.36727	1	.0	.0	35.3
18.38265	1	.0	.0	35.4
18.38409	1	.0	.0	35.4
18.40310	1	.0	.0	35.4
18.41352	1	.0	.0	35.5
18.42322	1	.0	.0	35.5
18.42797	1	.0	.0	35.6
18.45192	1	.0	.0	35.6
18.45289	1	.0	.0	35.6
18.49602	1	.0	.0	35.7
18.50204	1	.0	.0	35.7
18.51694	1	.0	.0	35.8
18.55921	1	.0	.0	35.8
18.57794	1	.0	.0	35.8
18.57989	1	.0	.0	35.9
18.58428	1	.0	.0	35.9
18.58849	1	.0	.0	36.0
18.59575	1	.0	.0	36.0
18.59619	1	.0	.0	36.0
18.60082	1	.0	.0	36.1
18.60271	1	.0	.0	36.1
18.60765	1	.0	.0	36.2
18.61134	1	.0	.0	36.2
18.61424	1	.0	.0	36.2
18.61465	1	.0	.0	36.3
18.61563	1	.0	.0	36.3
18.63377	1	.0	.0	36.4
18.63538	1	.0	.0	36.4
18.64503	1	.0	.0	36.4
18.65366	1	.0	.0	36.5

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
18.65661	1	.0	.0	36.5
18.65946	1	.0	.0	36.6
18.66025	1	.0	.0	36.6
18.66506	1	.0	.0	36.7
18.66824	1	.0	.0	36.7
18.67306	1	.0	.0	36.7
18.68121	1	.0	.0	36.8
18.68238	1	.0	.0	36.8
18.68543	1	.0	.0	36.9
18.69805	1	.0	.0	36.9
18.71199	1	.0	.0	36.9
18.71211	1	.0	.0	37.0
18.72008	1	.0	.0	37.0
18.74223	1	.0	.0	37.1
18.74326	1	.0	.0	37.1
18.74509	1	.0	.0	37.1
18.76718	1	.0	.0	37.2
18.76952	1	.0	.0	37.2
18.77327	1	.0	.0	37.3
18.78234	1	.0	.0	37.3
18.79255	1	.0	.0	37.3
18.80030	1	.0	.0	37.4
18.82691	1	.0	.0	37.4
18.83036	1	.0	.0	37.5
18.86591	1	.0	.0	37.5
18.87289	1	.0	.0	37.5
18.87480	1	.0	.0	37.6
18.88899	1	.0	.0	37.6
18.90225	1	.0	.0	37.7
18.90527	1	.0	.0	37.7
18.91699	1	.0	.0	37.7
18.92402	1	.0	.0	37.8
18.93072	1	.0	.0	37.8
18.93642	1	.0	.0	37.9
18.93893	1	.0	.0	37.9
18.95643	1	.0	.0	37.9
18.96595	1	.0	.0	38.0
18.96833	1	.0	.0	38.0
18.97201	1	.0	.0	38.1
18.97312	1	.0	.0	38.1
18.97930	1	.0	.0	38.1
18.98049	1	.0	.0	38.2
18.98065	1	.0	.0	38.2
18.98148	1	.0	.0	38.3
19.01256	1	.0	.0	38.3
19.02273	1	.0	.0	38.3
19.02422	1	.0	.0	38.4
19.03415	1	.0	.0	38.4
19.04593	1	.0	.0	38.5
19.07361	1	.0	.0	38.5
19.07861	1	.0	.0	38.6
19.08837	1	.0	.0	38.6
19.09382	1	.0	.0	38.6

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
19.09703	1	.0	.0	38.7
19.09950	1	.0	.0	38.7
19.13137	1	.0	.0	38.8
19.15224	1	.0	.0	38.8
19.16789	1	.0	.0	38.8
19.17979	1	.0	.0	38.9
19.19530	1	.0	.0	38.9
19.19792	1	.0	.0	39.0
19.22074	1	.0	.0	39.0
19.22201	1	.0	.0	39.0
19.23732	1	.0	.0	39.1
19.24187	1	.0	.0	39.1
19.25733	1	.0	.0	39.2
19.26098	1	.0	.0	39.2
19.26851	1	.0	.0	39.2
19.27880	1	.0	.0	39.3
19.30977	1	.0	.0	39.3
19.33697	1	.0	.0	39.4
19.34983	1	.0	.0	39.4
19.35027	1	.0	.0	39.4
19.35481	1	.0	.0	39.5
19.36701	1	.0	.0	39.5
19.37635	1	.0	.0	39.6
19.37695	1	.0	.0	39.6
19.38619	1	.0	.0	39.6
19.39670	1	.0	.0	39.7
19.41561	1	.0	.0	39.7
19.41610	1	.0	.0	39.8
19.42830	1	.0	.0	39.8
19.43491	1	.0	.0	39.8
19.47532	1	.0	.0	39.9
19.51494	1	.0	.0	39.9
19.52460	1	.0	.0	40.0
19.52980	1	.0	.0	40.0
19.53324	1	.0	.0	40.0
19.54098	1	.0	.0	40.1
19.54218	1	.0	.0	40.1
19.54291	1	.0	.0	40.2
19.56164	1	.0	.0	40.2
19.61206	1	.0	.0	40.3
19.62175	1	.0	.0	40.3
19.62403	1	.0	.0	40.3
19.62630	1	.0	.0	40.4
19.65187	1	.0	.0	40.4
19.68669	1	.0	.0	40.5
19.68672	1	.0	.0	40.5
19.68909	1	.0	.0	40.5
19.70356	1	.0	.0	40.6
19.70612	1	.0	.0	40.6
19.72285	1	.0	.0	40.7
19.73176	1	.0	.0	40.7
19.73599	1	.0	.0	40.7
19.74886	1	.0	.0	40.8

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
19.77025	1	.0	.0	40.8
19.77820	1	.0	.0	40.9
19.77892	1	.0	.0	40.9
19.78067	1	.0	.0	40.9
19.78466	1	.0	.0	41.0
19.78694	1	.0	.0	41.0
19.85860	1	.0	.0	41.1
19.89761	1	.0	.0	41.1
19.89900	1	.0	.0	41.1
19.90009	1	.0	.0	41.2
19.90452	1	.0	.0	41.2
19.91314	1	.0	.0	41.3
19.91404	1	.0	.0	41.3
19.93202	1	.0	.0	41.3
19.94186	1	.0	.0	41.4
19.97537	1	.0	.0	41.4
19.97812	1	.0	.0	41.5
19.98221	1	.0	.0	41.5
20.02579	1	.0	.0	41.5
20.03651	1	.0	.0	41.6
20.04113	1	.0	.0	41.6
20.04175	1	.0	.0	41.7
20.06374	1	.0	.0	41.7
20.07622	1	.0	.0	41.7
20.08376	1	.0	.0	41.8
20.08907	1	.0	.0	41.8
20.09435	1	.0	.0	41.9
20.10876	1	.0	.0	41.9
20.11192	1	.0	.0	41.9
20.11755	1	.0	.0	42.0
20.12455	1	.0	.0	42.0
20.14332	1	.0	.0	42.1
20.17210	1	.0	.0	42.1
20.18003	1	.0	.0	42.2
20.19903	1	.0	.0	42.2
20.20235	1	.0	.0	42.2
20.20385	1	.0	.0	42.3
20.22775	1	.0	.0	42.3
20.22798	1	.0	.0	42.4
20.24433	1	.0	.0	42.4
20.25587	1	.0	.0	42.4
20.27970	1	.0	.0	42.5
20.28768	1	.0	.0	42.5
20.29959	1	.0	.0	42.6
20.30264	1	.0	.0	42.6
20.32350	1	.0	.0	42.6
20.32696	1	.0	.0	42.7
20.33175	1	.0	.0	42.7
20.34478	1	.0	.0	42.8
20.35758	1	.0	.0	42.8
20.36784	1	.0	.0	42.8
20.37677	1	.0	.0	42.9
20.39823	1	.0	.0	42.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
20.40437	1	.0	.0	43.0
20.41443	1	.0	.0	43.0
20.42535	1	.0	.0	43.0
20.44176	1	.0	.0	43.1
20.44756	1	.0	.0	43.1
20.46600	1	.0	.0	43.2
20.49886	1	.0	.0	43.2
20.56615	1	.0	.0	43.2
20.56905	1	.0	.0	43.3
20.63064	1	.0	.0	43.3
20.65360	1	.0	.0	43.4
20.65817	1	.0	.0	43.4
20.66297	1	.0	.0	43.4
20.67635	1	.0	.0	43.5
20.69153	1	.0	.0	43.5
20.70682	1	.0	.0	43.6
20.71953	1	.0	.0	43.6
20.72122	1	.0	.0	43.6
20.73144	1	.0	.0	43.7
20.73244	1	.0	.0	43.7
20.74458	1	.0	.0	43.8
20.74788	1	.0	.0	43.8
20.77950	1	.0	.0	43.9
20.79719	1	.0	.0	43.9
20.82394	1	.0	.0	43.9
20.82848	1	.0	.0	44.0
20.84204	1	.0	.0	44.0
20.84647	1	.0	.0	44.1
20.85870	1	.0	.0	44.1
20.86858	1	.0	.0	44.1
20.86934	1	.0	.0	44.2
20.87765	1	.0	.0	44.2
20.87966	1	.0	.0	44.3
20.88051	1	.0	.0	44.3
20.89581	1	.0	.0	44.3
20.90621	1	.0	.0	44.4
20.91085	1	.0	.0	44.4
20.91088	1	.0	.0	44.5
20.92140	1	.0	.0	44.5
20.95361	1	.0	.0	44.5
20.96866	1	.0	.0	44.6
20.97263	1	.0	.0	44.6
21.00148	1	.0	.0	44.7
21.00394	1	.0	.0	44.7
21.00596	1	.0	.0	44.7
21.02415	1	.0	.0	44.8
21.03084	1	.0	.0	44.8
21.09399	1	.0	.0	44.9
21.09571	1	.0	.0	44.9
21.09605	1	.0	.0	44.9
21.09731	1	.0	.0	45.0
21.15045	1	.0	.0	45.0
21.16601	1	.0	.0	45.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
21.17190	1	.0	.0	45.1
21.17457	1	.0	.0	45.1
21.18622	1	.0	.0	45.2
21.18793	1	.0	.0	45.2
21.19021	1	.0	.0	45.3
21.19979	1	.0	.0	45.3
21.20663	1	.0	.0	45.3
21.20801	1	.0	.0	45.4
21.23000	1	.0	.0	45.4
21.23146	1	.0	.0	45.5
21.23283	1	.0	.0	45.5
21.23544	1	.0	.0	45.6
21.24619	1	.0	.0	45.6
21.25410	1	.0	.0	45.6
21.25708	1	.0	.0	45.7
21.25872	1	.0	.0	45.7
21.25933	1	.0	.0	45.8
21.26042	1	.0	.0	45.8
21.27269	1	.0	.0	45.8
21.32006	1	.0	.0	45.9
21.33140	1	.0	.0	45.9
21.35692	1	.0	.0	46.0
21.36683	1	.0	.0	46.0
21.37401	1	.0	.0	46.0
21.38111	1	.0	.0	46.1
21.39438	1	.0	.0	46.1
21.42591	1	.0	.0	46.2
21.42937	1	.0	.0	46.2
21.50591	1	.0	.0	46.2
21.51342	1	.0	.0	46.3
21.53836	1	.0	.0	46.3
21.55670	1	.0	.0	46.4
21.55886	1	.0	.0	46.4
21.55982	1	.0	.0	46.4
21.56014	1	.0	.0	46.5
21.56770	1	.0	.0	46.5
21.57481	1	.0	.0	46.6
21.57523	1	.0	.0	46.6
21.58870	1	.0	.0	46.6
21.62901	1	.0	.0	46.7
21.63202	1	.0	.0	46.7
21.63244	1	.0	.0	46.8
21.63273	1	.0	.0	46.8
21.63491	1	.0	.0	46.8
21.65863	1	.0	.0	46.9
21.65932	1	.0	.0	46.9
21.66862	1	.0	.0	47.0
21.68087	1	.0	.0	47.0
21.68998	1	.0	.0	47.0
21.69205	1	.0	.0	47.1
21.69669	1	.0	.0	47.1
21.70209	1	.0	.0	47.2
21.71981	1	.0	.0	47.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
21.72662	1	.0	.0	47.2
21.74493	1	.0	.0	47.3
21.74901	1	.0	.0	47.3
21.75119	1	.0	.0	47.4
21.75751	1	.0	.0	47.4
21.75784	1	.0	.0	47.5
21.76576	1	.0	.0	47.5
21.77664	1	.0	.0	47.5
21.78195	1	.0	.0	47.6
21.79170	1	.0	.0	47.6
21.79235	1	.0	.0	47.7
21.79298	1	.0	.0	47.7
21.79428	1	.0	.0	47.7
21.80688	1	.0	.0	47.8
21.83041	1	.0	.0	47.8
21.84403	1	.0	.0	47.9
21.87842	1	.0	.0	47.9
21.92461	1	.0	.0	47.9
21.98011	1	.0	.0	48.0
21.98711	1	.0	.0	48.0
21.98772	1	.0	.0	48.1
21.98796	1	.0	.0	48.1
21.99119	1	.0	.0	48.1
22.01079	1	.0	.0	48.2
22.04672	1	.0	.0	48.2
22.05949	1	.0	.0	48.3
22.06864	1	.0	.0	48.3
22.07256	1	.0	.0	48.3
22.07740	1	.0	.0	48.4
22.08120	1	.0	.0	48.4
22.08453	1	.0	.0	48.5
22.08508	1	.0	.0	48.5
22.08773	1	.0	.0	48.5
22.09651	1	.0	.0	48.6
22.10701	1	.0	.0	48.6
22.11530	1	.0	.0	48.7
22.12293	1	.0	.0	48.7
22.14241	1	.0	.0	48.7
22.17076	1	.0	.0	48.8
22.17613	1	.0	.0	48.8
22.19047	1	.0	.0	48.9
22.22979	1	.0	.0	48.9
22.24821	1	.0	.0	48.9
22.24919	1	.0	.0	49.0
22.25690	1	.0	.0	49.0
22.26706	1	.0	.0	49.1
22.27728	1	.0	.0	49.1
22.28194	1	.0	.0	49.2
22.28223	1	.0	.0	49.2
22.28286	1	.0	.0	49.2
22.28392	1	.0	.0	49.3
22.28469	1	.0	.0	49.3
22.28495	1	.0	.0	49.4

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
22.30033	1	.0	.0	49.4
22.31368	1	.0	.0	49.4
22.32471	1	.0	.0	49.5
22.32669	1	.0	.0	49.5
22.33638	1	.0	.0	49.6
22.34193	1	.0	.0	49.6
22.34394	1	.0	.0	49.6
22.35552	1	.0	.0	49.7
22.35997	1	.0	.0	49.7
22.36400	1	.0	.0	49.8
22.36408	1	.0	.0	49.8
22.39279	1	.0	.0	49.8
22.39538	1	.0	.0	49.9
22.40139	1	.0	.0	49.9
22.40349	1	.0	.0	50.0
22.40712	1	.0	.0	50.0
22.40718	1	.0	.0	50.0
22.43954	1	.0	.0	50.1
22.44918	1	.0	.0	50.1
22.48173	1	.0	.0	50.2
22.48307	1	.0	.0	50.2
22.49161	1	.0	.0	50.2
22.51757	1	.0	.0	50.3
22.52690	1	.0	.0	50.3
22.54112	1	.0	.0	50.4
22.55135	1	.0	.0	50.4
22.55440	1	.0	.0	50.4
22.55704	1	.0	.0	50.5
22.55738	1	.0	.0	50.5
22.57020	1	.0	.0	50.6
22.58820	1	.0	.0	50.6
22.58869	1	.0	.0	50.6
22.59829	1	.0	.0	50.7
22.61440	1	.0	.0	50.7
22.61887	1	.0	.0	50.8
22.62664	1	.0	.0	50.8
22.63235	1	.0	.0	50.8
22.63700	1	.0	.0	50.9
22.70230	1	.0	.0	50.9
22.70382	1	.0	.0	51.0
22.71427	1	.0	.0	51.0
22.72743	1	.0	.0	51.1
22.73030	1	.0	.0	51.1
22.76589	1	.0	.0	51.1
22.77437	1	.0	.0	51.2
22.78538	1	.0	.0	51.2
22.79352	1	.0	.0	51.3
22.79830	1	.0	.0	51.3
22.79835	1	.0	.0	51.3
22.80446	1	.0	.0	51.4
22.81067	1	.0	.0	51.4
22.83745	1	.0	.0	51.5
22.84665	1	.0	.0	51.5

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
22.84905	1	.0	.0	51.5
22.85246	1	.0	.0	51.6
22.86110	1	.0	.0	51.6
22.86523	1	.0	.0	51.7
22.89516	1	.0	.0	51.7
22.90931	1	.0	.0	51.7
22.91288	1	.0	.0	51.8
22.92637	1	.0	.0	51.8
22.94066	1	.0	.0	51.9
22.94526	1	.0	.0	51.9
22.95112	1	.0	.0	51.9
22.98807	1	.0	.0	52.0
22.99538	1	.0	.0	52.0
23.00261	1	.0	.0	52.1
23.00321	1	.0	.0	52.1
23.00339	1	.0	.0	52.1
23.01404	1	.0	.0	52.2
23.02254	1	.0	.0	52.2
23.02401	1	.0	.0	52.3
23.02614	1	.0	.0	52.3
23.03610	1	.0	.0	52.3
23.04058	1	.0	.0	52.4
23.04184	1	.0	.0	52.4
23.04555	1	.0	.0	52.5
23.06490	1	.0	.0	52.5
23.08122	1	.0	.0	52.5
23.09186	1	.0	.0	52.6
23.10675	1	.0	.0	52.6
23.13723	1	.0	.0	52.7
23.14869	1	.0	.0	52.7
23.16703	1	.0	.0	52.8
23.17636	1	.0	.0	52.8
23.18836	1	.0	.0	52.8
23.19382	1	.0	.0	52.9
23.19448	1	.0	.0	52.9
23.19890	1	.0	.0	53.0
23.21225	1	.0	.0	53.0
23.21745	1	.0	.0	53.0
23.22063	1	.0	.0	53.1
23.22200	1	.0	.0	53.1
23.24415	1	.0	.0	53.2
23.25876	1	.0	.0	53.2
23.28217	1	.0	.0	53.2
23.28420	1	.0	.0	53.3
23.29657	1	.0	.0	53.3
23.29835	1	.0	.0	53.4
23.30182	1	.0	.0	53.4
23.35265	1	.0	.0	53.4
23.35680	1	.0	.0	53.5
23.35910	1	.0	.0	53.5
23.36995	1	.0	.0	53.6
23.39084	1	.0	.0	53.6
23.39899	1	.0	.0	53.6

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
23.41029	1	.0	.0	53.7
23.41976	1	.0	.0	53.7
23.42707	1	.0	.0	53.8
23.43154	1	.0	.0	53.8
23.45179	1	.0	.0	53.8
23.48719	1	.0	.0	53.9
23.48758	1	.0	.0	53.9
23.50127	1	.0	.0	54.0
23.52937	1	.0	.0	54.0
23.54392	1	.0	.0	54.0
23.55960	1	.0	.0	54.1
23.57467	1	.0	.0	54.1
23.58602	1	.0	.0	54.2
23.59089	1	.0	.0	54.2
23.60556	1	.0	.0	54.2
23.61858	1	.0	.0	54.3
23.62977	1	.0	.0	54.3
23.69238	1	.0	.0	54.4
23.70615	1	.0	.0	54.4
23.71017	1	.0	.0	54.4
23.73220	1	.0	.0	54.5
23.75322	1	.0	.0	54.5
23.75958	1	.0	.0	54.6
23.77211	1	.0	.0	54.6
23.79646	1	.0	.0	54.7
23.79843	1	.0	.0	54.7
23.83429	1	.0	.0	54.7
23.83481	1	.0	.0	54.8
23.83522	1	.0	.0	54.8
23.84346	1	.0	.0	54.9
23.84750	1	.0	.0	54.9
23.85139	1	.0	.0	54.9
23.86857	1	.0	.0	55.0
23.88622	1	.0	.0	55.0
23.89695	1	.0	.0	55.1
23.90518	1	.0	.0	55.1
23.91475	1	.0	.0	55.1
23.98607	1	.0	.0	55.2
23.98920	1	.0	.0	55.2
23.99731	1	.0	.0	55.3
24.00682	1	.0	.0	55.3
24.00732	1	.0	.0	55.3
24.01311	1	.0	.0	55.4
24.02192	1	.0	.0	55.4
24.02321	1	.0	.0	55.5
24.03468	1	.0	.0	55.5
24.03984	1	.0	.0	55.5
24.05853	1	.0	.0	55.6
24.06311	1	.0	.0	55.6
24.07815	1	.0	.0	55.7
24.08423	1	.0	.0	55.7
24.12336	1	.0	.0	55.7
24.12436	1	.0	.0	55.8

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
24.12833	1	.0	.0	55.8
24.14029	1	.0	.0	55.9
24.14339	1	.0	.0	55.9
24.14461	1	.0	.0	55.9
24.14670	1	.0	.0	56.0
24.18381	1	.0	.0	56.0
24.18678	1	.0	.0	56.1
24.18941	1	.0	.0	56.1
24.21692	1	.0	.0	56.1
24.22065	1	.0	.0	56.2
24.22621	1	.0	.0	56.2
24.23018	1	.0	.0	56.3
24.23168	1	.0	.0	56.3
24.23250	1	.0	.0	56.4
24.23811	1	.0	.0	56.4
24.24645	1	.0	.0	56.4
24.28634	1	.0	.0	56.5
24.29580	1	.0	.0	56.5
24.30574	1	.0	.0	56.6
24.32970	1	.0	.0	56.6
24.33645	1	.0	.0	56.6
24.35141	1	.0	.0	56.7
24.36941	1	.0	.0	56.7
24.37965	1	.0	.0	56.8
24.39392	1	.0	.0	56.8
24.39808	1	.0	.0	56.8
24.40503	1	.0	.0	56.9
24.41491	1	.0	.0	56.9
24.41783	1	.0	.0	57.0
24.42025	1	.0	.0	57.0
24.42146	1	.0	.0	57.0
24.43275	1	.0	.0	57.1
24.43875	1	.0	.0	57.1
24.46087	1	.0	.0	57.2
24.46456	1	.0	.0	57.2
24.46989	1	.0	.0	57.2
24.48710	1	.0	.0	57.3
24.48731	1	.0	.0	57.3
24.50090	1	.0	.0	57.4
24.52797	1	.0	.0	57.4
24.55405	1	.0	.0	57.4
24.57157	1	.0	.0	57.5
24.57836	1	.0	.0	57.5
24.58344	1	.0	.0	57.6
24.58778	1	.0	.0	57.6
24.59817	1	.0	.0	57.6
24.61383	1	.0	.0	57.7
24.62648	1	.0	.0	57.7
24.65199	1	.0	.0	57.8
24.67848	1	.0	.0	57.8
24.67882	1	.0	.0	57.8
24.68909	1	.0	.0	57.9
24.69750	1	.0	.0	57.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
24.75382	1	.0	.0	58.0
24.76344	1	.0	.0	58.0
24.76895	1	.0	.0	58.1
24.77184	1	.0	.0	58.1
24.79923	1	.0	.0	58.1
24.80171	1	.0	.0	58.2
24.80554	1	.0	.0	58.2
24.82559	1	.0	.0	58.3
24.84111	1	.0	.0	58.3
24.84371	1	.0	.0	58.3
24.84614	1	.0	.0	58.4
24.84798	1	.0	.0	58.4
24.87515	1	.0	.0	58.5
24.87554	1	.0	.0	58.5
24.88003	1	.0	.0	58.5
24.88079	1	.0	.0	58.6
24.88464	1	.0	.0	58.6
24.90171	1	.0	.0	58.7
24.94368	1	.0	.0	58.7
24.94717	1	.0	.0	58.7
24.97170	1	.0	.0	58.8
24.97547	1	.0	.0	58.8
24.97793	1	.0	.0	58.9
24.99245	1	.0	.0	58.9
25.03815	1	.0	.0	58.9
25.04099	1	.0	.0	59.0
25.04196	1	.0	.0	59.0
25.08183	1	.0	.0	59.1
25.14962	1	.0	.0	59.1
25.15066	1	.0	.0	59.1
25.15539	1	.0	.0	59.2
25.17844	1	.0	.0	59.2
25.18474	1	.0	.0	59.3
25.19835	1	.0	.0	59.3
25.20645	1	.0	.0	59.3
25.20786	1	.0	.0	59.4
25.22021	1	.0	.0	59.4
25.23827	1	.0	.0	59.5
25.24161	1	.0	.0	59.5
25.26229	1	.0	.0	59.5
25.27934	1	.0	.0	59.6
25.28401	1	.0	.0	59.6
25.28407	1	.0	.0	59.7
25.30110	1	.0	.0	59.7
25.31214	1	.0	.0	59.7
25.32965	1	.0	.0	59.8
25.33348	1	.0	.0	59.8
25.34646	1	.0	.0	59.9
25.35281	1	.0	.0	59.9
25.35824	1	.0	.0	60.0
25.37834	1	.0	.0	60.0
25.39801	1	.0	.0	60.0
25.40551	1	.0	.0	60.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
25.40803	1	.0	.0	60.1
25.41500	1	.0	.0	60.2
25.41519	1	.0	.0	60.2
25.47900	1	.0	.0	60.2
25.51443	1	.0	.0	60.3
25.52592	1	.0	.0	60.3
25.52664	1	.0	.0	60.4
25.52755	1	.0	.0	60.4
25.54969	1	.0	.0	60.4
25.57167	1	.0	.0	60.5
25.58275	1	.0	.0	60.5
25.59185	1	.0	.0	60.6
25.60638	1	.0	.0	60.6
25.61106	1	.0	.0	60.6
25.65510	1	.0	.0	60.7
25.69188	1	.0	.0	60.7
25.69275	1	.0	.0	60.8
25.69820	1	.0	.0	60.8
25.69968	1	.0	.0	60.8
25.72329	1	.0	.0	60.9
25.73347	1	.0	.0	60.9
25.73473	1	.0	.0	61.0
25.73742	1	.0	.0	61.0
25.73953	1	.0	.0	61.0
25.75058	1	.0	.0	61.1
25.76799	1	.0	.0	61.1
25.79351	1	.0	.0	61.2
25.80340	1	.0	.0	61.2
25.81636	1	.0	.0	61.2
25.82289	1	.0	.0	61.3
25.84674	1	.0	.0	61.3
25.86890	1	.0	.0	61.4
25.87324	1	.0	.0	61.4
25.89057	1	.0	.0	61.4
25.89461	1	.0	.0	61.5
25.89532	1	.0	.0	61.5
25.90154	1	.0	.0	61.6
25.90271	1	.0	.0	61.6
25.91059	1	.0	.0	61.7
25.91463	1	.0	.0	61.7
25.93270	1	.0	.0	61.7
25.93408	1	.0	.0	61.8
25.93730	1	.0	.0	61.8
25.94468	1	.0	.0	61.9
25.95420	1	.0	.0	61.9
26.00565	1	.0	.0	61.9
26.02789	1	.0	.0	62.0
26.04216	1	.0	.0	62.0
26.04818	1	.0	.0	62.1
26.06229	1	.0	.0	62.1
26.06417	1	.0	.0	62.1
26.06529	1	.0	.0	62.2
26.08293	1	.0	.0	62.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
26.09129	1	.0	.0	62.3
26.09196	1	.0	.0	62.3
26.10323	1	.0	.0	62.3
26.11270	1	.0	.0	62.4
26.12193	1	.0	.0	62.4
26.13101	1	.0	.0	62.5
26.14025	1	.0	.0	62.5
26.17176	1	.0	.0	62.5
26.19638	1	.0	.0	62.6
26.20317	1	.0	.0	62.6
26.20593	1	.0	.0	62.7
26.23206	1	.0	.0	62.7
26.25758	1	.0	.0	62.7
26.26051	1	.0	.0	62.8
26.26485	1	.0	.0	62.8
26.28872	1	.0	.0	62.9
26.29383	1	.0	.0	62.9
26.29484	1	.0	.0	62.9
26.30181	1	.0	.0	63.0
26.36743	1	.0	.0	63.0
26.37107	1	.0	.0	63.1
26.37695	1	.0	.0	63.1
26.37906	1	.0	.0	63.1
26.38131	1	.0	.0	63.2
26.39326	1	.0	.0	63.2
26.41454	1	.0	.0	63.3
26.44303	1	.0	.0	63.3
26.46156	1	.0	.0	63.3
26.46300	1	.0	.0	63.4
26.47431	1	.0	.0	63.4
26.47613	1	.0	.0	63.5
26.47707	1	.0	.0	63.5
26.49047	1	.0	.0	63.6
26.53317	1	.0	.0	63.6
26.54822	1	.0	.0	63.6
26.56895	1	.0	.0	63.7
26.57743	1	.0	.0	63.7
26.59756	1	.0	.0	63.8
26.60002	1	.0	.0	63.8
26.60283	1	.0	.0	63.8
26.60964	1	.0	.0	63.9
26.62126	1	.0	.0	63.9
26.62445	1	.0	.0	64.0
26.62779	1	.0	.0	64.0
26.66628	1	.0	.0	64.0
26.66841	1	.0	.0	64.1
26.67750	1	.0	.0	64.1
26.69028	1	.0	.0	64.2
26.69520	1	.0	.0	64.2
26.70039	1	.0	.0	64.2
26.70110	1	.0	.0	64.3
26.72230	1	.0	.0	64.3
26.73534	1	.0	.0	64.4

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
26.74444	1	.0	.0	64.4
26.74611	1	.0	.0	64.4
26.77819	1	.0	.0	64.5
26.80453	1	.0	.0	64.5
26.82926	1	.0	.0	64.6
26.83062	1	.0	.0	64.6
26.84056	1	.0	.0	64.6
26.85620	1	.0	.0	64.7
26.88808	1	.0	.0	64.7
26.89926	1	.0	.0	64.8
26.92741	1	.0	.0	64.8
26.94826	1	.0	.0	64.8
26.95554	1	.0	.0	64.9
26.95888	1	.0	.0	64.9
26.99598	1	.0	.0	65.0
27.00076	1	.0	.0	65.0
27.01029	1	.0	.0	65.0
27.02636	1	.0	.0	65.1
27.04777	1	.0	.0	65.1
27.05045	1	.0	.0	65.2
27.08080	1	.0	.0	65.2
27.08687	1	.0	.0	65.3
27.12226	1	.0	.0	65.3
27.13928	1	.0	.0	65.3
27.14275	1	.0	.0	65.4
27.18528	1	.0	.0	65.4
27.19271	1	.0	.0	65.5
27.25446	1	.0	.0	65.5
27.25526	1	.0	.0	65.5
27.28642	1	.0	.0	65.6
27.28927	1	.0	.0	65.6
27.29309	1	.0	.0	65.7
27.32037	1	.0	.0	65.7
27.32964	1	.0	.0	65.7
27.36293	1	.0	.0	65.8
27.37446	1	.0	.0	65.8
27.38477	1	.0	.0	65.9
27.41606	1	.0	.0	65.9
27.41679	1	.0	.0	65.9
27.47032	1	.0	.0	66.0
27.49331	1	.0	.0	66.0
27.50380	1	.0	.0	66.1
27.51026	1	.0	.0	66.1
27.54149	1	.0	.0	66.1
27.56046	1	.0	.0	66.2
27.59392	1	.0	.0	66.2
27.63930	1	.0	.0	66.3
27.64180	1	.0	.0	66.3
27.65646	1	.0	.0	66.3
27.65788	1	.0	.0	66.4
27.67335	1	.0	.0	66.4
27.68981	1	.0	.0	66.5
27.69905	1	.0	.0	66.5

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
27.70247	1	.0	.0	66.5
27.70676	1	.0	.0	66.6
27.70843	1	.0	.0	66.6
27.72270	1	.0	.0	66.7
27.73003	1	.0	.0	66.7
27.74233	1	.0	.0	66.7
27.74416	1	.0	.0	66.8
27.75822	1	.0	.0	66.8
27.76694	1	.0	.0	66.9
27.78185	1	.0	.0	66.9
27.78487	1	.0	.0	66.9
27.78538	1	.0	.0	67.0
27.79361	1	.0	.0	67.0
27.81022	1	.0	.0	67.1
27.84009	1	.0	.0	67.1
27.84459	1	.0	.0	67.2
27.84850	1	.0	.0	67.2
27.86954	1	.0	.0	67.2
27.88306	1	.0	.0	67.3
27.99079	1	.0	.0	67.3
28.02411	1	.0	.0	67.4
28.02891	1	.0	.0	67.4
28.03090	1	.0	.0	67.4
28.03278	1	.0	.0	67.5
28.03624	1	.0	.0	67.5
28.04157	1	.0	.0	67.6
28.04619	1	.0	.0	67.6
28.04957	1	.0	.0	67.6
28.04970	1	.0	.0	67.7
28.10460	1	.0	.0	67.7
28.10997	1	.0	.0	67.8
28.12068	1	.0	.0	67.8
28.12116	1	.0	.0	67.8
28.13772	1	.0	.0	67.9
28.14507	1	.0	.0	67.9
28.15298	1	.0	.0	68.0
28.20621	1	.0	.0	68.0
28.20881	1	.0	.0	68.0
28.22775	1	.0	.0	68.1
28.23587	1	.0	.0	68.1
28.33558	1	.0	.0	68.2
28.34123	1	.0	.0	68.2
28.36551	1	.0	.0	68.2
28.38133	1	.0	.0	68.3
28.38921	1	.0	.0	68.3
28.45266	1	.0	.0	68.4
28.50397	1	.0	.0	68.4
28.51314	1	.0	.0	68.4
28.52514	1	.0	.0	68.5
28.54453	1	.0	.0	68.5
28.54521	1	.0	.0	68.6
28.54540	1	.0	.0	68.6
28.54958	1	.0	.0	68.6

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
28.55138	1	.0	.0	68.7
28.55595	1	.0	.0	68.7
28.58309	1	.0	.0	68.8
28.61418	1	.0	.0	68.8
28.62468	1	.0	.0	68.9
28.63082	1	.0	.0	68.9
28.68358	1	.0	.0	68.9
28.69283	1	.0	.0	69.0
28.69416	1	.0	.0	69.0
28.76415	1	.0	.0	69.1
28.77417	1	.0	.0	69.1
28.80263	1	.0	.0	69.1
28.81741	1	.0	.0	69.2
28.82869	1	.0	.0	69.2
28.83168	1	.0	.0	69.3
28.84229	1	.0	.0	69.3
28.85729	1	.0	.0	69.3
28.86328	1	.0	.0	69.4
28.88306	1	.0	.0	69.4
28.88854	1	.0	.0	69.5
28.89338	1	.0	.0	69.5
28.90151	1	.0	.0	69.5
28.90560	1	.0	.0	69.6
28.91724	1	.0	.0	69.6
28.93076	1	.0	.0	69.7
28.93332	1	.0	.0	69.7
28.95001	1	.0	.0	69.7
28.95670	1	.0	.0	69.8
28.98271	1	.0	.0	69.8
29.02972	1	.0	.0	69.9
29.06244	1	.0	.0	69.9
29.06847	1	.0	.0	69.9
29.12040	1	.0	.0	70.0
29.12171	1	.0	.0	70.0
29.12609	1	.0	.0	70.1
29.14118	1	.0	.0	70.1
29.17650	1	.0	.0	70.1
29.20301	1	.0	.0	70.2
29.21821	1	.0	.0	70.2
29.22638	1	.0	.0	70.3
29.22849	1	.0	.0	70.3
29.24618	1	.0	.0	70.3
29.24673	1	.0	.0	70.4
29.25820	1	.0	.0	70.4
29.27223	1	.0	.0	70.5
29.27881	1	.0	.0	70.5
29.30186	1	.0	.0	70.6
29.34306	1	.0	.0	70.6
29.34333	1	.0	.0	70.6
29.43185	1	.0	.0	70.7
29.43254	1	.0	.0	70.7
29.43425	1	.0	.0	70.8
29.43576	1	.0	.0	70.8

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
29.43940	1	.0	.0	70.8
29.46296	1	.0	.0	70.9
29.48903	1	.0	.0	70.9
29.50523	1	.0	.0	71.0
29.51223	1	.0	.0	71.0
29.51679	1	.0	.0	71.0
29.52502	1	.0	.0	71.1
29.53669	1	.0	.0	71.1
29.54329	1	.0	.0	71.2
29.55360	1	.0	.0	71.2
29.56266	1	.0	.0	71.2
29.57795	1	.0	.0	71.3
29.58929	1	.0	.0	71.3
29.59089	1	.0	.0	71.4
29.59194	1	.0	.0	71.4
29.60671	1	.0	.0	71.4
29.62706	1	.0	.0	71.5
29.64369	1	.0	.0	71.5
29.65128	1	.0	.0	71.6
29.65521	1	.0	.0	71.6
29.65683	1	.0	.0	71.6
29.67809	1	.0	.0	71.7
29.76081	1	.0	.0	71.7
29.77014	1	.0	.0	71.8
29.77571	1	.0	.0	71.8
29.80147	1	.0	.0	71.8
29.80635	1	.0	.0	71.9
29.82283	1	.0	.0	71.9
29.83024	1	.0	.0	72.0
29.86623	1	.0	.0	72.0
29.87763	1	.0	.0	72.0
29.91940	1	.0	.0	72.1
29.93385	1	.0	.0	72.1
29.93522	1	.0	.0	72.2
29.95960	1	.0	.0	72.2
29.96204	1	.0	.0	72.2
29.99142	1	.0	.0	72.3
30.02477	1	.0	.0	72.3
30.04679	1	.0	.0	72.4
30.09916	1	.0	.0	72.4
30.14491	1	.0	.0	72.5
30.16648	1	.0	.0	72.5
30.18076	1	.0	.0	72.5
30.23927	1	.0	.0	72.6
30.25807	1	.0	.0	72.6
30.26832	1	.0	.0	72.7
30.34422	1	.0	.0	72.7
30.34555	1	.0	.0	72.7
30.34646	1	.0	.0	72.8
30.36465	1	.0	.0	72.8
30.41305	1	.0	.0	72.9
30.42687	1	.0	.0	72.9
30.45776	1	.0	.0	72.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
30.46030	1	.0	.0	73.0
30.46755	1	.0	.0	73.0
30.49332	1	.0	.0	73.1
30.55501	1	.0	.0	73.1
30.55577	1	.0	.0	73.1
30.58431	1	.0	.0	73.2
30.61997	1	.0	.0	73.2
30.62145	1	.0	.0	73.3
30.62466	1	.0	.0	73.3
30.63598	1	.0	.0	73.3
30.64553	1	.0	.0	73.4
30.64602	1	.0	.0	73.4
30.65551	1	.0	.0	73.5
30.66508	1	.0	.0	73.5
30.66556	1	.0	.0	73.5
30.66684	1	.0	.0	73.6
30.68056	1	.0	.0	73.6
30.68248	1	.0	.0	73.7
30.68458	1	.0	.0	73.7
30.70743	1	.0	.0	73.7
30.72453	1	.0	.0	73.8
30.74759	1	.0	.0	73.8
30.74844	1	.0	.0	73.9
30.79241	1	.0	.0	73.9
30.79799	1	.0	.0	73.9
30.80452	1	.0	.0	74.0
30.82443	1	.0	.0	74.0
30.83487	1	.0	.0	74.1
30.87376	1	.0	.0	74.1
30.92252	1	.0	.0	74.2
30.92977	1	.0	.0	74.2
30.93379	1	.0	.0	74.2
30.93545	1	.0	.0	74.3
30.93736	1	.0	.0	74.3
30.94465	1	.0	.0	74.4
30.95369	1	.0	.0	74.4
30.99896	1	.0	.0	74.4
31.01900	1	.0	.0	74.5
31.02028	1	.0	.0	74.5
31.02395	1	.0	.0	74.6
31.02839	1	.0	.0	74.6
31.06265	1	.0	.0	74.6
31.11350	1	.0	.0	74.7
31.14621	1	.0	.0	74.7
31.15043	1	.0	.0	74.8
31.15819	1	.0	.0	74.8
31.16844	1	.0	.0	74.8
31.19241	1	.0	.0	74.9
31.26554	1	.0	.0	74.9
31.28710	1	.0	.0	75.0
31.28876	1	.0	.0	75.0
31.30329	1	.0	.0	75.0
31.32942	1	.0	.0	75.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
31.33900	1	.0	.0	75.1
31.38641	1	.0	.0	75.2
31.38780	1	.0	.0	75.2
31.43080	1	.0	.0	75.2
31.45313	1	.0	.0	75.3
31.45712	1	.0	.0	75.3
31.47398	1	.0	.0	75.4
31.48108	1	.0	.0	75.4
31.52072	1	.0	.0	75.4
31.58590	1	.0	.0	75.5
31.70241	1	.0	.0	75.5
31.70371	1	.0	.0	75.6
31.73361	1	.0	.0	75.6
31.75372	1	.0	.0	75.6
31.75751	1	.0	.0	75.7
31.76492	1	.0	.0	75.7
31.76853	1	.0	.0	75.8
31.77578	1	.0	.0	75.8
31.78477	1	.0	.0	75.8
31.82873	1	.0	.0	75.9
31.94156	1	.0	.0	75.9
31.95830	1	.0	.0	76.0
31.97490	1	.0	.0	76.0
31.98083	1	.0	.0	76.1
32.04151	1	.0	.0	76.1
32.05100	1	.0	.0	76.1
32.10053	1	.0	.0	76.2
32.11900	1	.0	.0	76.2
32.12276	1	.0	.0	76.3
32.16861	1	.0	.0	76.3
32.17651	1	.0	.0	76.3
32.20088	1	.0	.0	76.4
32.21470	1	.0	.0	76.4
32.22111	1	.0	.0	76.5
32.24760	1	.0	.0	76.5
32.26282	1	.0	.0	76.5
32.28104	1	.0	.0	76.6
32.29379	1	.0	.0	76.6
32.29956	1	.0	.0	76.7
32.31447	1	.0	.0	76.7
32.32085	1	.0	.0	76.7
32.32274	1	.0	.0	76.8
32.33869	1	.0	.0	76.8
32.37359	1	.0	.0	76.9
32.40556	1	.0	.0	76.9
32.41787	1	.0	.0	76.9
32.41846	1	.0	.0	77.0
32.42975	1	.0	.0	77.0
32.44980	1	.0	.0	77.1
32.46400	1	.0	.0	77.1
32.47601	1	.0	.0	77.1
32.53076	1	.0	.0	77.2
32.53213	1	.0	.0	77.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
32.54305	1	.0	.0	77.3
32.55914	1	.0	.0	77.3
32.56479	1	.0	.0	77.3
32.57003	1	.0	.0	77.4
32.59246	1	.0	.0	77.4
32.59587	1	.0	.0	77.5
32.65155	1	.0	.0	77.5
32.67410	1	.0	.0	77.5
32.73447	1	.0	.0	77.6
32.73497	1	.0	.0	77.6
32.73692	1	.0	.0	77.7
32.76900	1	.0	.0	77.7
32.78614	1	.0	.0	77.8
32.81463	1	.0	.0	77.8
32.86054	1	.0	.0	77.8
32.90329	1	.0	.0	77.9
32.90368	1	.0	.0	77.9
32.90450	1	.0	.0	78.0
32.90743	1	.0	.0	78.0
32.92375	1	.0	.0	78.0
32.97015	1	.0	.0	78.1
32.98096	1	.0	.0	78.1
33.00454	1	.0	.0	78.2
33.08111	1	.0	.0	78.2
33.18130	1	.0	.0	78.2
33.19472	1	.0	.0	78.3
33.19838	1	.0	.0	78.3
33.22367	1	.0	.0	78.4
33.22859	1	.0	.0	78.4
33.24099	1	.0	.0	78.4
33.27420	1	.0	.0	78.5
33.37134	1	.0	.0	78.5
33.38091	1	.0	.0	78.6
33.38740	1	.0	.0	78.6
33.40410	1	.0	.0	78.6
33.41770	1	.0	.0	78.7
33.42298	1	.0	.0	78.7
33.44190	1	.0	.0	78.8
33.45283	1	.0	.0	78.8
33.47436	1	.0	.0	78.8
33.53624	1	.0	.0	78.9
33.54524	1	.0	.0	78.9
33.58126	1	.0	.0	79.0
33.58834	1	.0	.0	79.0
33.62597	1	.0	.0	79.0
33.67316	1	.0	.0	79.1
33.75871	1	.0	.0	79.1
33.79927	1	.0	.0	79.2
33.80724	1	.0	.0	79.2
33.82032	1	.0	.0	79.2
33.82699	1	.0	.0	79.3
33.83259	1	.0	.0	79.3
33.87262	1	.0	.0	79.4

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
33.88057	1	.0	.0	79.4
33.89756	1	.0	.0	79.4
33.91980	1	.0	.0	79.5
33.92075	1	.0	.0	79.5
33.93778	1	.0	.0	79.6
33.94657	1	.0	.0	79.6
33.95640	1	.0	.0	79.7
33.98013	1	.0	.0	79.7
34.01193	1	.0	.0	79.7
34.05618	1	.0	.0	79.8
34.06113	1	.0	.0	79.8
34.08009	1	.0	.0	79.9
34.09449	1	.0	.0	79.9
34.09726	1	.0	.0	79.9
34.14696	1	.0	.0	80.0
34.15859	1	.0	.0	80.0
34.17377	1	.0	.0	80.1
34.18651	1	.0	.0	80.1
34.19133	1	.0	.0	80.1
34.20662	1	.0	.0	80.2
34.21336	1	.0	.0	80.2
34.24026	1	.0	.0	80.3
34.26206	1	.0	.0	80.3
34.28485	1	.0	.0	80.3
34.29191	1	.0	.0	80.4
34.29691	1	.0	.0	80.4
34.32418	1	.0	.0	80.5
34.33317	1	.0	.0	80.5
34.47592	1	.0	.0	80.5
34.47902	1	.0	.0	80.6
34.51803	1	.0	.0	80.6
34.54310	1	.0	.0	80.7
34.59024	1	.0	.0	80.7
34.59760	1	.0	.0	80.7
34.62054	1	.0	.0	80.8
34.62168	1	.0	.0	80.8
34.66366	1	.0	.0	80.9
34.68984	1	.0	.0	80.9
34.70880	1	.0	.0	80.9
34.73415	1	.0	.0	81.0
34.74013	1	.0	.0	81.0
34.74359	1	.0	.0	81.1
34.75978	1	.0	.0	81.1
34.76938	1	.0	.0	81.1
34.77930	1	.0	.0	81.2
34.78612	1	.0	.0	81.2
34.80773	1	.0	.0	81.3
34.83002	1	.0	.0	81.3
34.83973	1	.0	.0	81.4
34.84842	1	.0	.0	81.4
34.89319	1	.0	.0	81.4
34.89397	1	.0	.0	81.5
34.98977	1	.0	.0	81.5

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
34.99844	1	.0	.0	81.6
35.01645	1	.0	.0	81.6
35.02114	1	.0	.0	81.6
35.02287	1	.0	.0	81.7
35.04568	1	.0	.0	81.7
35.05943	1	.0	.0	81.8
35.14311	1	.0	.0	81.8
35.16104	1	.0	.0	81.8
35.20375	1	.0	.0	81.9
35.22804	1	.0	.0	81.9
35.23679	1	.0	.0	82.0
35.25245	1	.0	.0	82.0
35.25740	1	.0	.0	82.0
35.29569	1	.0	.0	82.1
35.32844	1	.0	.0	82.1
35.35689	1	.0	.0	82.2
35.39358	1	.0	.0	82.2
35.40779	1	.0	.0	82.2
35.43698	1	.0	.0	82.3
35.43897	1	.0	.0	82.3
35.47204	1	.0	.0	82.4
35.51743	1	.0	.0	82.4
35.59318	1	.0	.0	82.4
35.60603	1	.0	.0	82.5
35.61876	1	.0	.0	82.5
35.66370	1	.0	.0	82.6
35.68851	1	.0	.0	82.6
35.73851	1	.0	.0	82.6
35.79684	1	.0	.0	82.7
35.80800	1	.0	.0	82.7
35.84614	1	.0	.0	82.8
35.84983	1	.0	.0	82.8
35.91772	1	.0	.0	82.8
35.92684	1	.0	.0	82.9
35.92977	1	.0	.0	82.9
35.93188	1	.0	.0	83.0
35.93296	1	.0	.0	83.0
35.97301	1	.0	.0	83.1
35.98395	1	.0	.0	83.1
36.06678	1	.0	.0	83.1
36.10258	1	.0	.0	83.2
36.11546	1	.0	.0	83.2
36.14259	1	.0	.0	83.3
36.16133	1	.0	.0	83.3
36.20991	1	.0	.0	83.3
36.21315	1	.0	.0	83.4
36.27073	1	.0	.0	83.4
36.32591	1	.0	.0	83.5
36.33580	1	.0	.0	83.5
36.36616	1	.0	.0	83.5
36.36904	1	.0	.0	83.6
36.41105	1	.0	.0	83.6
36.45063	1	.0	.0	83.7

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
36.48055	1	.0	.0	83.7
36.49163	1	.0	.0	83.7
36.59084	1	.0	.0	83.8
36.60656	1	.0	.0	83.8
36.70212	1	.0	.0	83.9
36.71772	1	.0	.0	83.9
36.73464	1	.0	.0	83.9
36.73770	1	.0	.0	84.0
36.74196	1	.0	.0	84.0
36.77365	1	.0	.0	84.1
36.84394	1	.0	.0	84.1
36.88489	1	.0	.0	84.1
36.89444	1	.0	.0	84.2
36.95762	1	.0	.0	84.2
37.02097	1	.0	.0	84.3
37.04205	1	.0	.0	84.3
37.08710	1	.0	.0	84.3
37.10110	1	.0	.0	84.4
37.15530	1	.0	.0	84.4
37.21454	1	.0	.0	84.5
37.22362	1	.0	.0	84.5
37.27969	1	.0	.0	84.5
37.29371	1	.0	.0	84.6
37.30272	1	.0	.0	84.6
37.31708	1	.0	.0	84.7
37.32880	1	.0	.0	84.7
37.33845	1	.0	.0	84.7
37.36170	1	.0	.0	84.8
37.43877	1	.0	.0	84.8
37.46304	1	.0	.0	84.9
37.46705	1	.0	.0	84.9
37.54134	1	.0	.0	85.0
37.60669	1	.0	.0	85.0
37.61006	1	.0	.0	85.0
37.72576	1	.0	.0	85.1
37.72757	1	.0	.0	85.1
37.72962	1	.0	.0	85.2
37.74245	1	.0	.0	85.2
37.78505	1	.0	.0	85.2
37.84403	1	.0	.0	85.3
37.88386	1	.0	.0	85.3
37.88490	1	.0	.0	85.4
37.90812	1	.0	.0	85.4
37.93418	1	.0	.0	85.4
37.96685	1	.0	.0	85.5
38.05004	1	.0	.0	85.5
38.06473	1	.0	.0	85.6
38.07130	1	.0	.0	85.6
38.09283	1	.0	.0	85.6
38.09809	1	.0	.0	85.7
38.09881	1	.0	.0	85.7
38.15373	1	.0	.0	85.8
38.17358	1	.0	.0	85.8

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
38.17809	1	.0	.0	85.8
38.18187	1	.0	.0	85.9
38.23180	1	.0	.0	85.9
38.25231	1	.0	.0	86.0
38.25738	1	.0	.0	86.0
38.30555	1	.0	.0	86.0
38.34492	1	.0	.0	86.1
38.35986	1	.0	.0	86.1
38.42390	1	.0	.0	86.2
38.51417	1	.0	.0	86.2
38.52480	1	.0	.0	86.2
38.55180	1	.0	.0	86.3
38.59364	1	.0	.0	86.3
38.69441	1	.0	.0	86.4
38.71427	1	.0	.0	86.4
38.80061	1	.0	.0	86.4
38.80525	1	.0	.0	86.5
38.85065	1	.0	.0	86.5
38.87340	1	.0	.0	86.6
38.93593	1	.0	.0	86.6
39.06962	1	.0	.0	86.7
39.14055	1	.0	.0	86.7
39.15222	1	.0	.0	86.7
39.15968	1	.0	.0	86.8
39.20383	1	.0	.0	86.8
39.25832	1	.0	.0	86.9
39.28162	1	.0	.0	86.9
39.28975	1	.0	.0	86.9
39.29457	1	.0	.0	87.0
39.37388	1	.0	.0	87.0
39.39002	1	.0	.0	87.1
39.39423	1	.0	.0	87.1
39.40772	1	.0	.0	87.1
39.42361	1	.0	.0	87.2
39.47961	1	.0	.0	87.2
39.54687	1	.0	.0	87.3
39.57442	1	.0	.0	87.3
39.58110	1	.0	.0	87.3
39.60997	1	.0	.0	87.4
39.63715	1	.0	.0	87.4
39.72373	1	.0	.0	87.5
39.76966	1	.0	.0	87.5
39.83279	1	.0	.0	87.5
39.84235	1	.0	.0	87.6
39.93925	1	.0	.0	87.6
39.94308	1	.0	.0	87.7
39.95920	1	.0	.0	87.7
40.01093	1	.0	.0	87.7
40.02611	1	.0	.0	87.8
40.08490	1	.0	.0	87.8
40.08699	1	.0	.0	87.9
40.09115	1	.0	.0	87.9
40.09936	1	.0	.0	87.9

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
40.18278	1	.0	.0	88.0
40.21835	1	.0	.0	88.0
40.25962	1	.0	.0	88.1
40.27871	1	.0	.0	88.1
40.28998	1	.0	.0	88.1
40.31231	1	.0	.0	88.2
40.33896	1	.0	.0	88.2
40.34938	1	.0	.0	88.3
40.36129	1	.0	.0	88.3
40.40189	1	.0	.0	88.3
40.40208	1	.0	.0	88.4
40.44989	1	.0	.0	88.4
40.46309	1	.0	.0	88.5
40.48078	1	.0	.0	88.5
40.49575	1	.0	.0	88.6
40.53972	1	.0	.0	88.6
40.54074	1	.0	.0	88.6
40.64252	1	.0	.0	88.7
40.70709	1	.0	.0	88.7
40.74861	1	.0	.0	88.8
40.80101	1	.0	.0	88.8
40.86365	1	.0	.0	88.8
40.86778	1	.0	.0	88.9
40.91905	1	.0	.0	88.9
40.92342	1	.0	.0	89.0
41.00930	1	.0	.0	89.0
41.01359	1	.0	.0	89.0
41.14867	1	.0	.0	89.1
41.16853	1	.0	.0	89.1
41.27989	1	.0	.0	89.2
41.29507	1	.0	.0	89.2
41.30575	1	.0	.0	89.2
41.30754	1	.0	.0	89.3
41.37622	1	.0	.0	89.3
41.46996	1	.0	.0	89.4
41.47364	1	.0	.0	89.4
41.47770	1	.0	.0	89.4
41.60146	1	.0	.0	89.5
41.61435	1	.0	.0	89.5
41.61580	1	.0	.0	89.6
41.64014	1	.0	.0	89.6
41.65730	1	.0	.0	89.6
41.70932	1	.0	.0	89.7
41.78315	1	.0	.0	89.7
41.78404	1	.0	.0	89.8
41.79938	1	.0	.0	89.8
41.80516	1	.0	.0	89.8
41.85542	1	.0	.0	89.9
41.89652	1	.0	.0	89.9
42.02571	1	.0	.0	90.0
42.04144	1	.0	.0	90.0
42.15248	1	.0	.0	90.0
42.19420	1	.0	.0	90.1

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
42.21900	1	.0	.0	90.1
42.30957	1	.0	.0	90.2
42.35592	1	.0	.0	90.2
42.37648	1	.0	.0	90.3
42.41329	1	.0	.0	90.3
42.44780	1	.0	.0	90.3
42.47301	1	.0	.0	90.4
42.59600	1	.0	.0	90.4
42.64332	1	.0	.0	90.5
42.66832	1	.0	.0	90.5
42.68174	1	.0	.0	90.5
42.76759	1	.0	.0	90.6
42.76965	1	.0	.0	90.6
42.77118	1	.0	.0	90.7
42.94787	1	.0	.0	90.7
42.95701	1	.0	.0	90.7
42.97888	1	.0	.0	90.8
42.98344	1	.0	.0	90.8
42.99809	1	.0	.0	90.9
43.00143	1	.0	.0	90.9
43.00285	1	.0	.0	90.9
43.15268	1	.0	.0	91.0
43.17751	1	.0	.0	91.0
43.19083	1	.0	.0	91.1
43.22554	1	.0	.0	91.1
43.29739	1	.0	.0	91.1
43.37296	1	.0	.0	91.2
43.38320	1	.0	.0	91.2
43.38529	1	.0	.0	91.3
43.48813	1	.0	.0	91.3
43.51905	1	.0	.0	91.3
43.52083	1	.0	.0	91.4
43.56995	1	.0	.0	91.4
43.70608	1	.0	.0	91.5
43.72631	1	.0	.0	91.5
43.79852	1	.0	.0	91.5
43.81406	1	.0	.0	91.6
43.85847	1	.0	.0	91.6
43.87079	1	.0	.0	91.7
43.88729	1	.0	.0	91.7
43.95444	1	.0	.0	91.7
43.96420	1	.0	.0	91.8
44.17761	1	.0	.0	91.8
44.32642	1	.0	.0	91.9
44.37449	1	.0	.0	91.9
44.38865	1	.0	.0	91.9
44.48765	1	.0	.0	92.0
44.52111	1	.0	.0	92.0
44.60266	1	.0	.0	92.1
44.67538	1	.0	.0	92.1
44.72110	1	.0	.0	92.2
44.72309	1	.0	.0	92.2
44.74451	1	.0	.0	92.2

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
44.81328	1	.0	.0	92.3
44.83431	1	.0	.0	92.3
44.89882	1	.0	.0	92.4
44.95780	1	.0	.0	92.4
45.03358	1	.0	.0	92.4
45.04174	1	.0	.0	92.5
45.05556	1	.0	.0	92.5
45.21710	1	.0	.0	92.6
45.23453	1	.0	.0	92.6
45.25691	1	.0	.0	92.6
45.29195	1	.0	.0	92.7
45.33153	1	.0	.0	92.7
45.34192	1	.0	.0	92.8
45.34667	1	.0	.0	92.8
45.50391	1	.0	.0	92.8
45.56392	1	.0	.0	92.9
45.57669	1	.0	.0	92.9
45.60403	1	.0	.0	93.0
45.60786	1	.0	.0	93.0
45.71282	1	.0	.0	93.0
45.74138	1	.0	.0	93.1
45.77009	1	.0	.0	93.1
45.78978	1	.0	.0	93.2
45.86099	1	.0	.0	93.2
45.89498	1	.0	.0	93.2
46.05383	1	.0	.0	93.3
46.12910	1	.0	.0	93.3
46.16489	1	.0	.0	93.4
46.25383	1	.0	.0	93.4
46.25862	1	.0	.0	93.4
46.29360	1	.0	.0	93.5
46.35329	1	.0	.0	93.5
46.37074	1	.0	.0	93.6
46.41060	1	.0	.0	93.6
46.49053	1	.0	.0	93.6
46.52210	1	.0	.0	93.7
46.58473	1	.0	.0	93.7
46.60750	1	.0	.0	93.8
46.61630	1	.0	.0	93.8
46.71251	1	.0	.0	93.9
46.93451	1	.0	.0	93.9
47.05603	1	.0	.0	93.9
47.08026	1	.0	.0	94.0
47.12483	1	.0	.0	94.0
47.15564	1	.0	.0	94.1
47.17491	1	.0	.0	94.1
47.22943	1	.0	.0	94.1
47.32365	1	.0	.0	94.2
47.36631	1	.0	.0	94.2
47.54003	1	.0	.0	94.3
47.57549	1	.0	.0	94.3
47.58310	1	.0	.0	94.3
47.60693	1	.0	.0	94.4

mahal_items Mahalanobis Distance

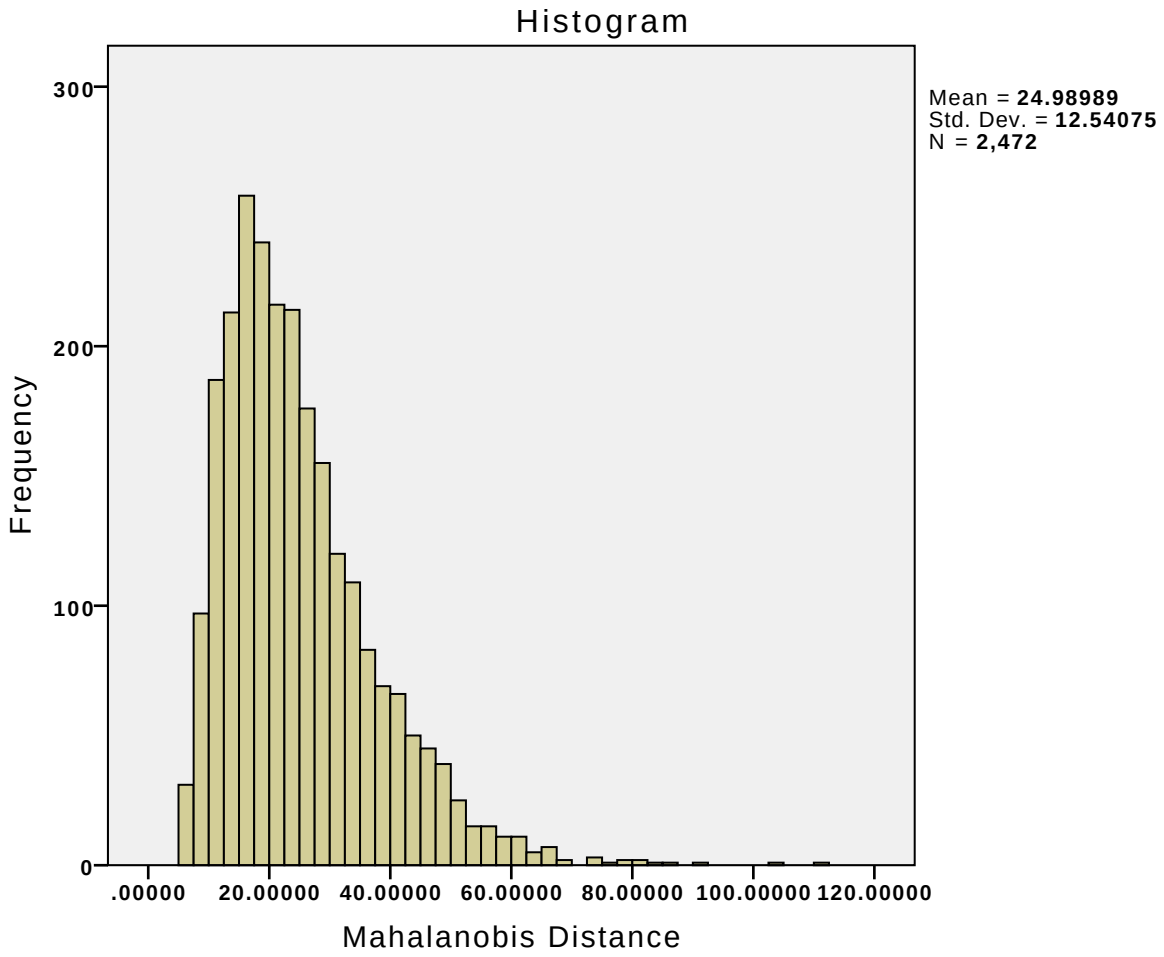
	Frequency	Percent	Valid Percent	Cumulative Percent
47.61228	1	.0	.0	94.4
47.71541	1	.0	.0	94.5
47.75407	1	.0	.0	94.5
47.81657	1	.0	.0	94.5
47.83339	1	.0	.0	94.6
47.86968	1	.0	.0	94.6
47.94085	1	.0	.0	94.7
47.97263	1	.0	.0	94.7
48.17233	1	.0	.0	94.7
48.22632	1	.0	.0	94.8
48.40411	1	.0	.0	94.8
48.44782	1	.0	.0	94.9
48.46267	1	.0	.0	94.9
48.50403	1	.0	.0	94.9
48.57005	1	.0	.0	95.0
48.62376	1	.0	.0	95.0
48.62817	1	.0	.0	95.1
48.73126	1	.0	.0	95.1
48.86055	1	.0	.0	95.1
48.87948	1	.0	.0	95.2
48.90489	1	.0	.0	95.2
48.93116	1	.0	.0	95.3
48.94229	1	.0	.0	95.3
48.96778	1	.0	.0	95.3
49.08381	1	.0	.0	95.4
49.10736	1	.0	.0	95.4
49.16371	1	.0	.0	95.5
49.32196	1	.0	.0	95.5
49.54527	1	.0	.0	95.6
49.55746	1	.0	.0	95.6
49.56833	1	.0	.0	95.6
49.73249	1	.0	.0	95.7
49.83339	1	.0	.0	95.7
49.85105	1	.0	.0	95.8
49.97480	1	.0	.0	95.8
50.03430	1	.0	.0	95.8
50.15500	1	.0	.0	95.9
50.22065	1	.0	.0	95.9
50.37889	1	.0	.0	96.0
50.43080	1	.0	.0	96.0
50.68477	1	.0	.0	96.0
50.70985	1	.0	.0	96.1
50.85519	1	.0	.0	96.1
50.89309	1	.0	.0	96.2
51.00137	1	.0	.0	96.2
51.05949	1	.0	.0	96.2
51.31430	1	.0	.0	96.3
51.57754	1	.0	.0	96.3
51.69844	1	.0	.0	96.4
51.88758	1	.0	.0	96.4
51.92566	1	.0	.0	96.4
51.93882	1	.0	.0	96.5
51.93978	1	.0	.0	96.5

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
51.95519	1	.0	.0	96.6
52.05205	1	.0	.0	96.6
52.14220	1	.0	.0	96.6
52.30241	1	.0	.0	96.7
52.38642	1	.0	.0	96.7
52.39205	1	.0	.0	96.8
52.41375	1	.0	.0	96.8
52.66058	1	.0	.0	96.8
53.02217	1	.0	.0	96.9
53.07542	1	.0	.0	96.9
53.10368	1	.0	.0	97.0
53.15708	1	.0	.0	97.0
53.24132	1	.0	.0	97.0
53.34125	1	.0	.0	97.1
53.42188	1	.0	.0	97.1
53.53793	1	.0	.0	97.2
53.70032	1	.0	.0	97.2
53.98645	1	.0	.0	97.2
54.03992	1	.0	.0	97.3
54.53960	1	.0	.0	97.3
54.59652	1	.0	.0	97.4
54.88988	1	.0	.0	97.4
55.04359	1	.0	.0	97.5
55.36544	1	.0	.0	97.5
55.66810	1	.0	.0	97.5
55.69830	1	.0	.0	97.6
55.74171	1	.0	.0	97.6
55.88119	1	.0	.0	97.7
56.01384	1	.0	.0	97.7
56.55183	1	.0	.0	97.7
56.76137	1	.0	.0	97.8
56.78402	1	.0	.0	97.8
56.93109	1	.0	.0	97.9
56.97837	1	.0	.0	97.9
57.08856	1	.0	.0	97.9
57.28230	1	.0	.0	98.0
57.34813	1	.0	.0	98.0
57.80332	1	.0	.0	98.1
57.99295	1	.0	.0	98.1
58.03998	1	.0	.0	98.1
58.72156	1	.0	.0	98.2
58.79863	1	.0	.0	98.2
58.83160	1	.0	.0	98.3
59.10760	1	.0	.0	98.3
59.29197	1	.0	.0	98.3
59.29933	1	.0	.0	98.4
59.32070	1	.0	.0	98.4
59.60369	1	.0	.0	98.5
60.10463	1	.0	.0	98.5
60.14162	1	.0	.0	98.5
60.36220	1	.0	.0	98.6
60.69553	1	.0	.0	98.6
60.69665	1	.0	.0	98.7

mahal_items Mahalanobis Distance

	Frequency	Percent	Valid Percent	Cumulative Percent
60.98247	1	.0	.0	98.7
61.48820	1	.0	.0	98.7
61.75326	1	.0	.0	98.8
61.77698	1	.0	.0	98.8
62.00300	1	.0	.0	98.9
62.01824	1	.0	.0	98.9
63.32992	1	.0	.0	98.9
63.67576	1	.0	.0	99.0
64.16835	1	.0	.0	99.0
64.26486	1	.0	.0	99.1
64.31982	1	.0	.0	99.1
65.02524	1	.0	.0	99.2
65.30784	1	.0	.0	99.2
65.32954	1	.0	.0	99.2
65.70397	1	.0	.0	99.3
66.78168	1	.0	.0	99.3
67.20580	1	.0	.0	99.4
67.42782	1	.0	.0	99.4
67.94675	2	.1	.1	99.5
72.68507	1	.0	.0	99.5
73.75773	1	.0	.0	99.6
73.87231	1	.0	.0	99.6
76.30505	1	.0	.0	99.6
78.37850	1	.0	.0	99.7
79.19262	1	.0	.0	99.7
80.89326	1	.0	.0	99.8
81.32579	1	.0	.0	99.8
83.05337	1	.0	.0	99.8
86.72993	1	.0	.0	99.9
91.92642	1	.0	.0	99.9
104.74045	1	.0	.0	100.0
111.19810	1	.0	.0	100.0
Total	2472	100.0	100.0	


Histogram
Mean = 24.98989
Std. Dev. = 12.54075
N = 2,472
Frequency
300
200
100
0
.00000
20.00000
40.00000
60.00000
80.00000
100.00000
120.00000
Mahalanobis Distance

Summarize

Notes

Output Created		**02-SEP-2013 21:19:43**
Comments		
Input	**Data**	**/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav**
	Active Dataset	**DataSet1**
	Filter	**filter_$ mahal_items > 70 (FILTER)**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data …	**13**
Missing Value Handling	**Definition of Missing**	**For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.**
	Cases Used	**Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.**
Syntax		**SUMMARIZE /TABLES=id A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 mahal_items…**
Resources	**Processor Time**	**00:00:00.02**
	Elapsed Time	**00:00:00.00**

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-2.sav

Case Processing Summary[a]

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
id	13	100.0%	0	0.0%	13	100.0%
A1 A1: Am indifferent to the feelings of others.	12	92.3%	1	7.7%	13	100.0%
A2 A2: Inquire about others' well-being.	13	100.0%	0	0.0%	13	100.0%
A3 A3: Know how to comfort others.	12	92.3%	1	7.7%	13	100.0%
A4 A4: Love children.	13	100.0%	0	0.0%	13	100.0%
A5 A5: Make people feel at ease.	13	100.0%	0	0.0%	13	100.0%
C1 C1: Am exacting in my work.	13	100.0%	0	0.0%	13	100.0%
C2 C2: Continue until everything is perfect.	13	100.0%	0	0.0%	13	100.0%
C3 C3: Do things according to a plan.	13	100.0%	0	0.0%	13	100.0%
C4 C4: Do things in a half-way manner.	13	100.0%	0	0.0%	13	100.0%
C5 C5: Waste my time.	13	100.0%	0	0.0%	13	100.0%
E1 E1: Don't talk a lot.	13	100.0%	0	0.0%	13	100.0%
E2 E2: Find it difficult to approach others.	13	100.0%	0	0.0%	13	100.0%
E3 E3: Know how to captivate people.	13	100.0%	0	0.0%	13	100.0%
E4 E4: Make friends easily.	13	100.0%	0	0.0%	13	100.0%
E5 E5: Take charge.	13	100.0%	0	0.0%	13	100.0%
N1 N1: Get angry easily.	13	100.0%	0	0.0%	13	100.0%
N2 N2: Get irritated easily.	13	100.0%	0	0.0%	13	100.0%
N3 N3: Have frequent mood swings.	13	100.0%	0	0.0%	13	100.0%
N4 N4: Often feel blue.	12	92.3%	1	7.7%	13	100.0%
N5 N5: Panic easily.	13	100.0%	0	0.0%	13	100.0%
O1 O1: Am full of ideas.	13	100.0%	0	0.0%	13	100.0%

Case Processing Summary[a]

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
O2 O2: Avoid difficult reading material.	13	100.0%	0	0.0%	13	100.0%
O3 O3: Carry the conversation to a higher level.	13	100.0%	0	0.0%	13	100.0%
O4 O4: Spend time reflecting on things.	13	100.0%	0	0.0%	13	100.0%
O5 O5: Will not probe deeply into a subject.	12	92.3%	1	7.7%	13	100.0%
mahal_items Mahalanobis Distance	13	100.0%	0	0.0%	13	100.0%

a. Limited to first 100 cases.

Case Summaries[a]

	1	2	3	4	5	6	7
id	67413	63467	62092	65439	63763	65732	67288
A1 A1: Am indifferent to the feelings of others.	1	6	1	3	1	.	6
A2 A2: Inquire about others' well-being.	1	6	5	1	6	5	6
A3 A3: Know how to comfort others.	6	6	.	1	6	6	6
A4 A4: Love children.	1	6	5	2	4	5	6
A5 A5: Make people feel at ease.	1	6	6	1	1	6	6
C1 C1: Am exacting in my work.	1	6	6	6	1	1	6
C2 C2: Continue until everything is perfect.	1	5	6	4	6	5	6
C3 C3: Do things according to a plan.	1	1	1	2	5	1	1
C4 C4: Do things in a half-way manner.	1	1	1	6	4	4	1
C5 C5: Waste my time.	6	1	1	5	2	1	1
E1 E1: Don't talk a lot.	1	6	6	6	6	1	6
E2 E2: Find it difficult to approach others.	1	6	1	5	1	1	6
E3 E3: Know how to captivate people.	6	1	1	4	3	6	6

Case Summaries[a]

	8	9	10	11	12	13
id	64341	64192	63406	62181	65170	64724
A1 A1: Am indifferent to the feelings of others.	4	6	2	6	3	3
A2 A2: Inquire about others' well-being.	6	5	4	6	3	6
A3 A3: Know how to comfort others.	1	6	6	6	5	6
A4 A4: Love children.	6	5	1	6	5	4
A5 A5: Make people feel at ease.	6	6	4	6	5	3
C1 C1: Am exacting in my work.	1	1	6	5	1	1
C2 C2: Continue until everything is perfect.	1	1	3	5	6	6
C3 C3: Do things according to a plan.	6	1	4	6	6	6
C4 C4: Do things in a half-way manner.	6	6	3	6	2	1
C5 C5: Waste my time.	6	6	5	1	1	1
E1 E1: Don't talk a lot.	4	6	1	1	1	1
E2 E2: Find it difficult to approach others.	6	1	1	1	1	1
E3 E3: Know how to captivate people.	4	6	3	6	1	5

Case Summaries[a]

	1	2	3	4	5	6	7
E4 E4: Make friends easily.	6	6	5	6	5	6	1
E5 E5: Take charge.	6	6	1	5	1	6	6
N1 N1: Get angry easily.	3	1	1	1	5	6	1
N2 N2: Get irritated easily.	6	6	1	4	5	1	1
N3 N3: Have frequent mood swings.	1	1	1	6	5	1	1
N4 N4: Often feel blue.	.	6	6	6	6	1	1
N5 N5: Panic easily.	1	1	1	6	4	1	6
O1 O1: Am full of ideas.	1	6	6	6	6	6	6
O2 O2: Avoid difficult reading material.	1	6	6	5	1	1	5
O3 O3: Carry the conversation to a higher level.	1	1	6	1	6	1	6
O4 O4: Spend time reflecting on things.	1	6	1	6	6	1	6
O5 O5: Will not probe deeply into a subject.	.	1	1	1	6	6	1
mahal_items Mahalanobis Distance	111.19810	104.74045	91.92642	86.72993	83.05337	81.32579	80.89326

Case Summaries[a]

	8	9	10	11	12	13
E4 E4: Make friends easily.	1	3	1	6	5	3
E5 E5: Take charge.	1	1	6	6	2	1
N1 N1: Get angry easily.	4	6	6	6	5	1
N2 N2: Get irritated easily.	3	6	4	3	5	6
N3 N3: Have frequent mood swings.	6	6	1	2	5	2
N4 N4: Often feel blue.	5	6	4	2	4	2
N5 N5: Panic easily.	6	6	6	5	3	3
O1 O1: Am full of ideas.	1	6	1	1	5	5
O2 O2: Avoid difficult reading material.	6	1	1	2	1	4
O3 O3: Carry the conversation to a higher level.	2	6	6	6	1	6
O4 O4: Spend time reflecting on things.	6	2	6	6	1	4
O5 O5: Will not probe deeply into a subject.	2	2	2	6	1	2
mahal_items Mahalanobis Distance	79.19262	78.37850	76.30505	73.87231	73.75773	72.68507

a. Limited to first 100 cases.

Summarize

Notes

Output Created		**02-SEP-2013 21:23:53**
Comments		
Input	**Data**	**/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav**
	Active Dataset	**DataSet1**
	Filter	**filter_$ mahal_items > 70 (FILTER)**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data …	**13**
Missing Value Handling	**Definition of Missing**	**For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.**
	Cases Used	**Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.**
Syntax		**SUMMARIZE /TABLES= A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5…**
Resources	**Processor Time**	**00:00:00.02**
	Elapsed Time	**00:00:00.00**

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Case Processing Summary[a]

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
A1 A1: Am indifferent to the feelings of others.	12	92.3%	1	7.7%	13	100.0%
A2 A2: Inquire about others' well-being.	13	100.0%	0	0.0%	13	100.0%
A3 A3: Know how to comfort others.	12	92.3%	1	7.7%	13	100.0%
A4 A4: Love children.	13	100.0%	0	0.0%	13	100.0%
A5 A5: Make people feel at ease.	13	100.0%	0	0.0%	13	100.0%
C1 C1: Am exacting in my work.	13	100.0%	0	0.0%	13	100.0%
C2 C2: Continue until everything is perfect.	13	100.0%	0	0.0%	13	100.0%
C3 C3: Do things according to a plan.	13	100.0%	0	0.0%	13	100.0%
C4 C4: Do things in a half-way manner.	13	100.0%	0	0.0%	13	100.0%
C5 C5: Waste my time.	13	100.0%	0	0.0%	13	100.0%
E1 E1: Don't talk a lot.	13	100.0%	0	0.0%	13	100.0%
E2 E2: Find it difficult to approach others.	13	100.0%	0	0.0%	13	100.0%
E3 E3: Know how to captivate people.	13	100.0%	0	0.0%	13	100.0%
E4 E4: Make friends easily.	13	100.0%	0	0.0%	13	100.0%
E5 E5: Take charge.	13	100.0%	0	0.0%	13	100.0%
N1 N1: Get angry easily.	13	100.0%	0	0.0%	13	100.0%
N2 N2: Get irritated easily.	13	100.0%	0	0.0%	13	100.0%
N3 N3: Have frequent mood swings.	13	100.0%	0	0.0%	13	100.0%
N4 N4: Often feel blue.	12	92.3%	1	7.7%	13	100.0%
N5 N5: Panic easily.	13	100.0%	0	0.0%	13	100.0%
O1 O1: Am full of ideas.	13	100.0%	0	0.0%	13	100.0%
O2 O2: Avoid difficult reading material.	13	100.0%	0	0.0%	13	100.0%

Case Processing Summary[a]

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
O3 O3: Carry the conversation to a higher level.	13	100.0%	0	0.0%	13	100.0%
O4 O4: Spend time reflecting on things.	13	100.0%	0	0.0%	13	100.0%
O5 O5: Will not probe deeply into a subject.	12	92.3%	1	7.7%	13	100.0%

a. Limited to first 100 cases.

Case Summaries[a]

	1	...	3	4	5	6
A1 A1: Am indifferent to the feelings of others.	1	...	1	3	1	.
A2 A2: Inquire about others' well-being.	1	...	5	1	6	5
A3 A3: Know how to comfort others.	6	...	.	1	6	6
A4 A4: Love children.	1	...	5	2	4	5
A5 A5: Make people feel at ease.	1	...	6	1	1	6
C1 C1: Am exacting in my work.	1	...	6	6	1	1
C2 C2: Continue until everything is perfect.	1	...	6	4	6	5
C3 C3: Do things according to a plan.	1	...	1	2	5	1
C4 C4: Do things in a half-way manner.	1	...	1	6	4	4
C5 C5: Waste my time.	6	...	1	5	2	1
E1 E1: Don't talk a lot.	1	...	6	6	6	1
E2 E2: Find it difficult to approach others.	1	...	1	5	1	1
E3 E3: Know how to captivate people.	6	...	1	4	3	6
E4 E4: Make friends easily.	6	...	5	6	5	6
E5 E5: Take charge.	6	...	1	5	1	6
N1 N1: Get angry easily.	3	...	1	1	5	6
N2 N2: Get irritated easily.	6	...	1	4	5	1
N3 N3: Have frequent mood swings.	1	...	1	6	5	1
N4 N4: Often feel blue.	.	...	6	6	6	1
N5 N5: Panic easily.	1	...	1	6	4	1
O1 O1: Am full of ideas.	1	...	6	6	6	6
O2 O2: Avoid difficult reading material.	1	...	6	5	1	1
O3 O3: Carry the conversation to a higher level.	1	...	6	1	6	1
O4 O4: Spend time reflecting on things.	1	...	1	6	6	1
O5 O5: Will not probe deeply into a subject.	.	...	1	1	6	6

Case Summaries[a]

	7	8	9	10	11
A1 A1: Am indifferent to the feelings of others.	6	4	6	2	6
A2 A2: Inquire about others' well-being.	6	6	5	4	6
A3 A3: Know how to comfort others.	6	1	6	6	6
A4 A4: Love children.	6	6	5	1	6
A5 A5: Make people feel at ease.	6	6	6	4	6
C1 C1: Am exacting in my work.	6	1	1	6	5
C2 C2: Continue until everything is perfect.	6	1	1	3	5
C3 C3: Do things according to a plan.	1	6	1	4	6
C4 C4: Do things in a half-way manner.	1	6	6	3	6
C5 C5: Waste my time.	1	6	6	5	1
E1 E1: Don't talk a lot.	6	4	6	1	1
E2 E2: Find it difficult to approach others.	6	6	1	1	1
E3 E3: Know how to captivate people.	6	4	6	3	6
E4 E4: Make friends easily.	1	1	3	1	6
E5 E5: Take charge.	6	1	1	6	6
N1 N1: Get angry easily.	1	4	6	6	6
N2 N2: Get irritated easily.	1	3	6	4	3
N3 N3: Have frequent mood swings.	1	6	6	1	2
N4 N4: Often feel blue.	1	5	6	4	2
N5 N5: Panic easily.	6	6	6	6	5
O1 O1: Am full of ideas.	6	1	6	1	1
O2 O2: Avoid difficult reading material.	5	6	1	1	2
O3 O3: Carry the conversation to a higher level.	6	2	6	6	6
O4 O4: Spend time reflecting on things.	6	6	2	6	6
O5 O5: Will not probe deeply into a subject.	1	2	2	2	6

Case Summaries[a]

	12	...
A1 A1: Am indifferent to the feelings of others.	3	...
A2 A2: Inquire about others' well-being.	3	...
A3 A3: Know how to comfort others.	5	...
A4 A4: Love children.	5	...
A5 A5: Make people feel at ease.	5	...
C1 C1: Am exacting in my work.	1	...
C2 C2: Continue until everything is perfect.	6	...
C3 C3: Do things according to a plan.	6	...
C4 C4: Do things in a half-way manner.	2	...
C5 C5: Waste my time.	1	...
E1 E1: Don't talk a lot.	1	...
E2 E2: Find it difficult to approach others.	1	...
E3 E3: Know how to captivate people.	1	...
E4 E4: Make friends easily.	5	...
E5 E5: Take charge.	2	...
N1 N1: Get angry easily.	5	...
N2 N2: Get irritated easily.	5	...
N3 N3: Have frequent mood swings.	5	...
N4 N4: Often feel blue.	4	...
N5 N5: Panic easily.	3	...
O1 O1: Am full of ideas.	5	...
O2 O2: Avoid difficult reading material.	1	...
O3 O3: Carry the conversation to a higher level.	1	...
O4 O4: Spend time reflecting on things.	1	...
O5 O5: Will not probe deeply into a subject.	1	...

a. Limited to first 100 cases.

Multiple Response

Notes

Output Created		03-SEP-2013 09:33:22
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data ...	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		MULT RESPONSE GROUPS=$items (a1 a2 a3 a4 a5 c1 c2 c3 c4 c5 e1 e2 e3 e4 e5 n1 n2 n3 n4 n5 o1 o2 o3 o4 o5 (1,6)) ...
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Case Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
$items[a]	2472	100.0%	0	0.0%	2472	100.0%

a. Group

$items Frequencies

		Responses		Percent of Cases
		N	Percent	
$items[a]	1	7656	12.5%	309.7%
	2	9511	15.5%	384.7%
	3	7217	11.7%	291.9%
	4	12500	20.3%	505.7%
	5	14193	23.1%	574.2%
	6	10372	16.9%	419.6%
Total		61449	100.0%	2485.8%

a. Group

Descriptives

Notes

Output Created		03-SEP-2013 15:05:54
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /STATISTICS=MIN..
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

Descriptive Statistics

	N	Minimum	Maximum
A1 A1: Am indifferent to the feelings of others.	2458	1	6
A2 A2: Inquire about others' well-being.	2453	1	6
A3 A3: Know how to comfort others.	2453	1	6
A4 A4: Love children.	2463	1	6
A5 A5: Make people feel at ease.	2459	1	6
C1 C1: Am exacting in my work.	2455	1	6
C2 C2: Continue until everything is perfect.	2455	1	6
C3 C3: Do things according to a plan.	2459	1	6
C4 C4: Do things in a half-way manner.	2456	1	6
C5 C5: Waste my time.	2459	1	6
E1 E1: Don't talk a lot.	2456	1	6
E2 E2: Find it difficult to approach others.	2459	1	6
E3 E3: Know how to captivate people.	2455	1	6
E4 E4: Make friends easily.	2464	1	6
E5 E5: Take charge.	2458	1	6
N1 N1: Get angry easily.	2462	1	6
N2 N2: Get irritated easily.	2457	1	6
N3 N3: Have frequent mood swings.	2465	1	6
N4 N4: Often feel blue.	2446	1	6
N5 N5: Panic easily.	2453	1	6
O1 O1: Am full of ideas.	2454	1	6
O2 O2: Avoid difficult reading material.	2472	1	6
O3 O3: Carry the conversation to a higher level.	2455	1	6
O4 O4: Spend time reflecting on things.	2461	1	6

Descriptive Statistics

	N	Minimum	Maximum
O5 O5: Will not probe deeply into a subject.	2462	1	6
Valid N (listwise)	2165		

Frequencies

Notes

Output Created		03-SEP-2013 15:08:30
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=missing_count /HISTOGRAM /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.18
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav

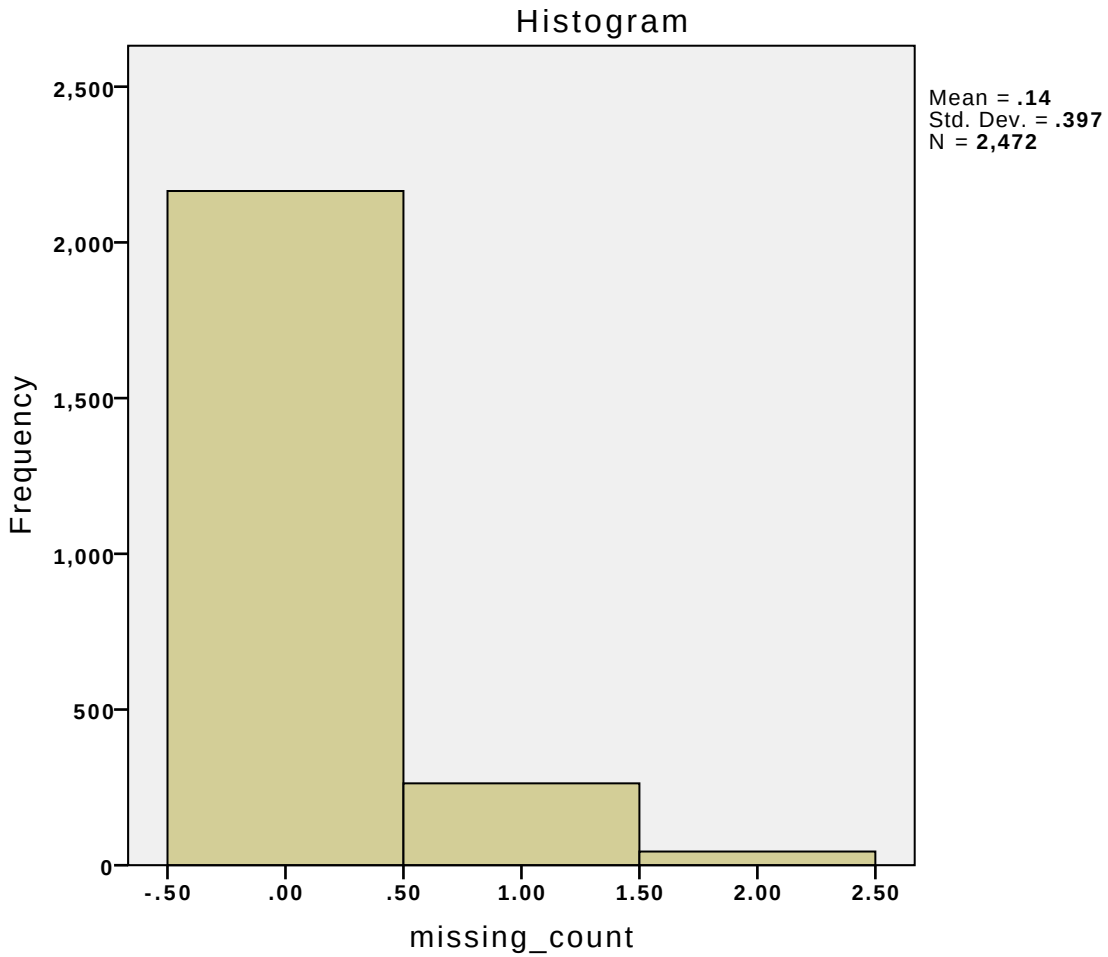
Statistics

missing_count

N	Valid	2472
	Missing	0

missing_count

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	2165	87.6	87.6	87.6
	1.00	263	10.6	10.6	98.2
	2.00	44	1.8	1.8	100.0
	Total	2472	100.0	100.0	



MVA

Notes

Output Created		03-SEP-2013 15:12:34
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Syntax		MVA VARIABLES=A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 gender education age missing_count mahal_items filter_$ /MAXCAT=25 /ID=id /CATEGORICAL=gender …
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.00

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor ar
alysis/exercises/data/bfi-unique-2.sav

Warnings

Number of categories in the variable mahal_items exceeded the limit: 25. Use the MAXCAT subcommand to increase this limit.
Execution of this command stops.

MVA

Notes

Output Created		**03-SEP-2013 15:14:14**
Comments		
Input	**Data**	**/Users/jeromy/teaching /org-research-methods/2013/content /05 Cluster and factor analysis/exercises/data /bfi-unique-2.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data …	**2472**
Syntax		**MVA VARIABLES=A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 gender education age missing_count mahal_items filter_$ /ID=id /EM A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 …**
Resources	**Processor Time**	**00:00:02.14**
	Elapsed Time	**00:00:02.00**
Files Saved	**EM Imputed Data**	**/Users/jeromy/teaching /org-research-methods/2013/content /05 Cluster and factor analysis/exercises/data /bfi-unique-3.sav**

[DataSet1] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor ar
alysis/exercises/data/bfi-unique-2.sav

Univariate Statistics

	N	Mean	Std. Deviation	Missing		No. of Extremes[a]	
				Count	Percent	Low	High
A1	2458	2.42	1.411	14	.6	0	76
A2	2453	4.79	1.185	19	.8	159	0
A3	2453	4.60	1.304	19	.8	81	0
A4	2463	4.69	1.480	9	.4	115	0
A5	2459	4.55	1.260	13	.5	219	0
C1	2455	4.52	1.232	17	.7	202	0
C2	2455	4.36	1.318	17	.7	78	0
C3	2459	4.30	1.298	13	.5	77	0
C4	2456	2.56	1.379	16	.6	0	57
C5	2459	3.29	1.625	13	.5	0	0
E1	2456	2.95	1.628	16	.6	0	0
E2	2459	3.13	1.607	13	.5	0	0
E3	2455	4.00	1.357	17	.7	133	0
E4	2464	4.43	1.453	8	.3	125	0
E5	2458	4.42	1.337	14	.6	84	0
N1	2462	2.92	1.567	10	.4	0	0
N2	2457	3.51	1.521	15	.6	0	0
N3	2465	3.22	1.598	7	.3	0	0
N4	2446	3.19	1.568	26	1.1	0	0
N5	2453	2.97	1.618	19	.8	0	0
O1	2454	4.82	1.136	18	.7	113	0
O2	2472	2.73	1.571	0	.0	0	161
O3	2455	4.44	1.226	17	.7	70	0
O4	2461	4.89	1.220	11	.4	157	0
O5	2462	2.49	1.328	10	.4	0	61
gender	2472	1.67	.469	0	.0	0	0
education	2282	3.18	1.106	190	7.7	0	0
age	2472	28.86	11.104	0	.0	1	122
missing_count	2472	.1420	.39685	0	.0	0	307
mahal_items	2472	24.9898867	12.5407467	0	.0	0	103
filter_$	2472	.01	.072	0	.0	0	13

a. Number of cases outside the range (Mean - 2*SD, Mean + 2*SD).

Summary of Estimated Means

	A1	A2	A3	A4	A5	C1	C2	C3	C4
All Values	2.42	4.79	4.60	4.69	4.55	4.52	4.36	4.30	2.56
EM	2.38	4.83	4.64	4.75	4.59	4.55	4.39	4.32	2.52

Summary of Estimated Means

	C5	E1	E2	E3	E4	E5	N1	N2	N3
All Values	3.29	2.95	3.13	4.00	4.43	4.42	2.92	3.51	3.22
EM	3.24	2.95	3.10	4.03	4.45	4.45	2.89	3.48	3.20

Summary of Estimated Means

	N4	N5	O1	O2	O3	O4	O5	gender	education
All Values	3.19	2.97	4.82	2.73	4.44	4.89	2.49	1.67	3.18
EM	3.17	2.95	4.83	2.73	4.47	4.91	2.48		

Summary of Estimated Means

	age	missing_count	mahal_items	filter_$
All Values	28.86	.1420	24.9898867	.01
EM				

Summary of Estimated Standard Deviations

	A1	A2	A3	A4	A5	C1	C2	C3	C4
All Values	1.411	1.185	1.304	1.480	1.260	1.232	1.318	1.298	1.379
EM	1.397	1.163	1.280	1.446	1.242	1.216	1.311	1.296	1.370

Summary of Estimated Standard Deviations

	C5	E1	E2	E3	E4	E5	N1	N2	N3
All Values	1.625	1.628	1.607	1.357	1.453	1.337	1.567	1.521	1.598
EM	1.621	1.618	1.597	1.348	1.444	1.322	1.557	1.521	1.597

Summary of Estimated Standard Deviations

	N4	N5	O1	O2	O3	O4	O5	gender	education
All Values	1.568	1.618	1.136	1.571	1.226	1.220	1.328	.469	1.106
EM	1.560	1.619	1.127	1.566	1.216	1.205	1.332		

Summary of Estimated Standard Deviations

	age	missing_count	mahal_items	filter_$
All Values	11.104	.39685	12.5407467	.072
EM				

EM Estimated Statistics

EM Means[a]

A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	E1
2.38	4.83	4.64	4.75	4.59	4.55	4.39	4.32	2.52	3.24	2.95

EM Means[a]

E2	E3	E4	E5	N1	N2	N3	N4	N5	O1	O2
3.10	4.03	4.45	4.45	2.89	3.48	3.20	3.17	2.95	4.83	2.73

EM Means[a]

O3	O4	O5
4.47	4.91	2.48

a. Little's MCAR test: Chi-Square = 1930.373, DF = 1662, Sig. = .000

EM Covariances[a]

	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5
A1	1.953									
A2	-.528	1.354								
A3	-.436	.690	1.638							
A4	-.275	.561	.626	2.092						
A5	-.303	.533	.759	.519	1.543					
C1	.057	.127	.146	.141	.174	1.478				
C2	.026	.199	.228	.394	.160	.699	1.719			
C3	-.032	.306	.229	.234	.220	.496	.595	1.680		
C4	.211	-.222	-.189	-.262	-.203	-.558	-.653	-.586	1.876	
C5	.090	-.226	-.323	-.567	-.359	-.492	-.642	-.716	1.034	2.627
E1	.265	-.400	-.405	-.270	-.479	-.059	.066	-.020	.204	.172
E2	.192	-.423	-.570	-.416	-.651	-.161	-.082	-.147	.435	.684
E3	-.077	.369	.655	.359	.693	.215	.274	.172	-.141	-.361
E4	-.103	.465	.689	.609	.851	.240	.214	.170	-.225	-.492
E5	-.032	.451	.446	.300	.458	.388	.407	.396	-.436	-.523
N1	.359	-.148	-.144	-.202	-.369	-.124	-.043	-.150	.440	.525
N2	.292	-.079	-.161	-.300	-.357	-.079	-.033	-.112	.308	.608
N3	.235	-.036	-.070	-.157	-.276	-.051	.000	-.128	.416	.606
N4	.118	-.160	-.278	-.344	-.393	-.195	-.080	-.231	.570	.862
N5	.047	.032	-.102	.001	-.147	-.117	.106	-.032	.454	.455
O1	.026	.149	.189	.076	.207	.236	.235	.134	-.130	-.156
O2	.174	.068	.045	.110	.015	-.240	-.065	-.079	.440	.353
O3	-.100	.197	.320	.087	.330	.302	.291	.125	-.102	-.154
O4	-.135	.106	.061	-.062	.020	.142	.088	.023	.123	.272
O5	.232	-.140	-.085	.044	-.082	-.206	-.081	-.013	.349	.110

EM Covariances[a]

	E1	E2	E3	E4	E5	N1	N2	N3	N4	N5
A1										
A2										
A3										
A4										
A5										
C1										
C2										
C3										
C4										
C5										
E1	2.619									
E2	1.214	2.551								
E3	-.734	-.865	1.818							
E4	-.959	-1.191	.845	2.084						
E5	-.661	-.810	.715	.635	1.749					
N1	.031	.425	-.118	-.313	.081	2.425				
N2	.031	.488	-.152	-.324	.053	1.654	2.312			
N3	.126	.533	-.042	-.271	-.149	1.363	1.316	2.550		
N4	.604	.914	-.334	-.698	-.473	.954	.912	1.264	2.434	
N5	.128	.693	-.183	-.240	-.288	.972	.875	1.120	1.027	2.621
O1	-.186	-.291	.501	.209	.443	-.105	-.106	-.085	-.123	-.253
O2	.141	.227	-.139	.125	-.171	.313	.322	.309	.249	.541
O3	-.428	-.464	.643	.348	.459	-.111	-.077	-.077	-.115	-.177
O4	.160	.350	.065	-.180	-.052	.155	.218	.341	.421	.225
O5	.226	.189	-.216	.082	-.201	.229	.081	.128	.090	.323

EM Covariances[a]

	O1	O2	O3	O4	O5
A1					
A2					
A3					
A4					
A5					
C1					
C2					
C3					
C4					
C5					
E1					
E2					
E3					
E4					
E5					
N1					
N2					
N3					
N4					
N5					
O1	1.271				
O2	-.382	2.454			
O3	.542	-.517	1.480		
O4	.244	-.125	.272	1.452	
O5	-.350	.666	-.526	-.281	1.775

a. Little's MCAR test: Chi-Square = 1930.373, DF = 1662, Sig. = .000

EM Correlations[a]

	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5
A1	1									
A2	-.325	1								
A3	-.244	.464	1							
A4	-.136	.333	.338	1						
A5	-.175	.369	.477	.289	1					
C1	.033	.090	.094	.080	.115	1				
C2	.014	.131	.136	.208	.099	.438	1			
C3	-.018	.203	.138	.125	.137	.315	.350	1		
C4	.110	-.139	-.108	-.132	-.119	-.335	-.363	-.330	1	
C5	.040	-.120	-.156	-.242	-.178	-.250	-.302	-.341	.466	1
E1	.117	-.212	-.195	-.116	-.238	-.030	.031	-.010	.092	.066
E2	.086	-.228	-.279	-.180	-.328	-.083	-.039	-.071	.199	.264
E3	-.041	.235	.380	.184	.414	.131	.155	.098	-.076	-.165
E4	-.051	.277	.373	.292	.475	.137	.113	.091	-.114	-.210
E5	-.017	.293	.264	.157	.279	.242	.235	.231	-.241	-.244
N1	.165	-.082	-.072	-.090	-.191	-.066	-.021	-.074	.206	.208
N2	.138	-.045	-.083	-.136	-.189	-.043	-.017	-.057	.148	.247
N3	.105	-.019	-.034	-.068	-.139	-.026	.000	-.062	.190	.234
N4	.054	-.088	-.139	-.152	-.203	-.103	-.039	-.114	.267	.341
N5	.021	.017	-.049	.000	-.073	-.060	.050	-.015	.205	.174
O1	.016	.114	.131	.047	.148	.172	.159	.091	-.084	-.085
O2	.079	.038	.023	.048	.008	-.126	-.032	-.039	.205	.139
O3	-.059	.139	.206	.049	.219	.204	.182	.079	-.061	-.078
O4	-.080	.076	.039	-.035	.014	.097	.055	.015	.075	.139
O5	.125	-.091	-.050	.023	-.049	-.127	-.047	-.007	.191	.051

EM Correlations[a]

	E1	E2	E3	E4	E5	N1	N2	N3	N4	N5
A1										
A2										
A3										
A4										
A5										
C1										
C2										
C3										
C4										
C5										
E1	1									
E2	.470	1								
E3	-.337	-.402	1							
E4	-.410	-.517	.434	1						
E5	-.309	-.384	.401	.333	1					
N1	.012	.171	-.056	-.139	.039	1				
N2	.013	.201	-.074	-.148	.026	.699	1			
N3	.049	.209	-.019	-.117	-.071	.548	.542	1		
N4	.239	.367	-.159	-.310	-.229	.393	.385	.507	1	
N5	.049	.268	-.084	-.103	-.134	.386	.355	.433	.407	1
O1	-.102	-.161	.330	.129	.297	-.060	-.062	-.047	-.070	-.138
O2	.056	.091	-.066	.055	-.083	.128	.135	.124	.102	.213
O3	-.217	-.239	.392	.198	.285	-.058	-.041	-.040	-.061	-.090
O4	.082	.182	.040	-.103	-.033	.082	.119	.177	.224	.115
O5	.105	.089	-.120	.043	-.114	.110	.040	.060	.043	.150

EM Correlations[a]

	O1	O2	O3	O4	O5
A1					
A2					
A3					
A4					
A5					
C1					
C2					
C3					
C4					
C5					
E1					
E2					
E3					
E4					
E5					
N1					
N2					
N3					
N4					
N5					
O1	1				
O2	-.217	1			
O3	.395	-.272	1		
O4	.179	-.066	.185	1	
O5	-.233	.319	-.325	-.175	1

a. Little's MCAR test: Chi-Square = 1930.373, DF = 1662, Sig. = .000

Frequencies

Notes

Output Created		03-SEP-2013 15:47:34
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=A1 /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav

Statistics

A1 A1: Am indifferent to the f

N	Valid	2472
	Missing	0

A1 A1: Am indifferent to the feelings of others.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	813	32.9	32.9	32.9
	1	1	.0	.0	32.9
	1	1	.0	.0	33.0
	2	1	.0	.0	33.0
	2	1	.0	.0	33.1
	2	1	.0	.0	33.1
	2	724	29.3	29.3	62.4
	2	1	.0	.0	62.4
	2	1	.0	.0	62.5
	2	1	.0	.0	62.5
	2	1	.0	.0	62.5
	3	1	.0	.0	62.6
	3	1	.0	.0	62.6
	3	1	.0	.0	62.7
	3	353	14.3	14.3	76.9
	3	1	.0	.0	77.0
	4	299	12.1	12.1	89.1
	4	1	.0	.0	89.1
	5	193	7.8	7.8	96.9
	6	76	3.1	3.1	100.0
	Total	2472	100.0	100.0	

Frequencies

Notes

Output Created		03-SEP-2013 15:48:43
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		freq a1.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

```
[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3.sav
```

Statistics

A1 A1: Am indifferent to the f

N	Valid	2472
	Missing	0

A1 A1: Am indifferent to the feelings of others.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.000	813	32.9	32.9	32.9
	1.107	1	.0	.0	32.9
	1.454	1	.0	.0	33.0
	1.826	1	.0	.0	33.0
	1.858	1	.0	.0	33.1
	1.873	1	.0	.0	33.1
	2.000	724	29.3	29.3	62.4
	2.003	1	.0	.0	62.4
	2.112	1	.0	.0	62.5
	2.360	1	.0	.0	62.5
	2.447	1	.0	.0	62.5
	2.548	1	.0	.0	62.6
	2.733	1	.0	.0	62.6
	2.985	1	.0	.0	62.7
	3.000	353	14.3	14.3	76.9
	3.069	1	.0	.0	77.0
	4.000	299	12.1	12.1	89.1
	4.154	1	.0	.0	89.1
	5.000	193	7.8	7.8	96.9
	6.000	76	3.1	3.1	100.0
	Total	2472	100.0	100.0	

Frequencies

Notes

Output Created		03-SEP-2013 15:52:45
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		freq A1.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3.sav
```

Statistics

A1 A1: Am indifferent to the f

N	Valid	2472
	Missing	0

A1 A1: Am indifferent to the feelings of others.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.000	815	33.0	33.0	33.0
	2.000	731	29.6	29.6	62.5
	3.000	357	14.4	14.4	77.0
	4.000	300	12.1	12.1	89.1
	5.000	193	7.8	7.8	96.9
	6.000	76	3.1	3.1	100.0
	Total	2472	100.0	100.0	

Frequencies

Notes

Output Created		03-SEP-2013 15:59:14
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		freq A1.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3.sav
```

Statistics

A1 A1: Am indifferent to the f

N	Valid	2472
	Missing	0

A1 A1: Am indifferent to the feelings of others.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.000	815	33.0	33.0	33.0
	2.000	731	29.6	29.6	62.5
	3.000	357	14.4	14.4	77.0
	4.000	300	12.1	12.1	89.1
	5.000	193	7.8	7.8	96.9
	6.000	76	3.1	3.1	100.0
	Total	2472	100.0	100.0	

Descriptives

Notes

Output Created		03-SEP-2013 16:15:04
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		descriptives A1 to O5.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

```
[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3.sav
```

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
A1 A1: Am indifferent to the feelings of others.	2472	1.000	6.000	2.41464	1.408190
A2 A2: Inquire about others' well-being.	2472	1	6	4.80	1.182
A3 A3: Know how to comfort others.	2472	1	6	4.61	1.300
A4 A4: Love children.	2472	1	6	4.69	1.478
A5 A5: Make people feel at ease.	2472	1	6	4.55	1.258
C1 C1: Am exacting in my work.	2472	1	6	4.51	1.229
C2 C2: Continue until everything is perfect.	2472	1	6	4.36	1.315
C3 C3: Do things according to a plan.	2472	1	6	4.30	1.296
C4 C4: Do things in a half-way manner.	2472	1	6	2.56	1.376
C5 C5: Waste my time.	2472	1	6	3.29	1.623
E1 E1: Don't talk a lot.	2472	1	6	2.96	1.624
E2 E2: Find it difficult to approach others.	2472	1	6	3.13	1.605
E3 E3: Know how to captivate people.	2472	1	6	4.00	1.354
E4 E4: Make friends easily.	2472	1	6	4.43	1.452
E5 E5: Take charge.	2472	1	6	4.42	1.335
N1 N1: Get angry easily.	2472	1	6	2.92	1.566
N2 N2: Get irritated easily.	2472	1	6	3.51	1.519
N3 N3: Have frequent mood swings.	2472	1	6	3.22	1.596
N4 N4: Often feel blue.	2472	1	6	3.19	1.565
N5 N5: Panic easily.	2472	1	6	2.96	1.615
O1 O1: Am full of ideas.	2472	1	6	4.82	1.133
O2 O2: Avoid difficult reading material.	2472	1	6	2.73	1.571
O3 O3: Carry the conversation to a higher level.	2472	1	6	4.44	1.223
O4 O4: Spend time reflecting on things.	2472	1	6	4.89	1.219
O5 O5: Will not probe deeply into a subject.	2472	1	6	2.49	1.325
Valid N (listwise)	2472				

Descriptives

Notes

Output Created		03-SEP-2013 16:16:08
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	2472
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		descriptives A1 to O5 /statistics = mean.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet3] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3.sav

Descriptive Statistics

	N	Mean
A1 A1: Am indifferent to the feelings of others.	2472	2.41
A2 A2: Inquire about others' well-being.	2472	4.80
A3 A3: Know how to comfort others.	2472	4.61
A4 A4: Love children.	2472	4.69
A5 A5: Make people feel at ease.	2472	4.55
C1 C1: Am exacting in my work.	2472	4.51
C2 C2: Continue until everything is perfect.	2472	4.36
C3 C3: Do things according to a plan.	2472	4.30
C4 C4: Do things in a half-way manner.	2472	2.56
C5 C5: Waste my time.	2472	3.29
E1 E1: Don't talk a lot.	2472	2.96
E2 E2: Find it difficult to approach others.	2472	3.13
E3 E3: Know how to captivate people.	2472	4.00
E4 E4: Make friends easily.	2472	4.43
E5 E5: Take charge.	2472	4.42
N1 N1: Get angry easily.	2472	2.92
N2 N2: Get irritated easily.	2472	3.51
N3 N3: Have frequent mood swings.	2472	3.22
N4 N4: Often feel blue.	2472	3.19
N5 N5: Panic easily.	2472	2.96
O1 O1: Am full of ideas.	2472	4.82
O2 O2: Avoid difficult reading material.	2472	2.73
O3 O3: Carry the conversation to a higher level.	2472	4.44
O4 O4: Spend time reflecting on things.	2472	4.89
O5 O5: Will not probe deeply into a subject.	2472	2.49
Valid N (listwise)	2472	

Frequencies

Notes

Output Created		03-SEP-2013 18:15:37
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=A1 /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Statistics

A1 A1: Am indifferent to the f

N	Valid	1236
	Missing	0

A1 A1: Am indifferent to the feelings of others.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	404	32.7	32.7	32.7
	2	359	29.0	29.0	61.7
	3	195	15.8	15.8	77.5
	4	154	12.5	12.5	90.0
	5	92	7.4	7.4	97.4
	6	32	2.6	2.6	100.0
	Total	1236	100.0	100.0	

Descriptives

Notes

Output Created		03-SEP-2013 18:16:44
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		descriptives A1 to O5 /statistics = mean.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Descriptive Statistics

	N	Mean
A1 A1: Am indifferent to the feelings of others.	1236	2.41
A2 A2: Inquire about others' well-being.	1236	4.77
A3 A3: Know how to comfort others.	1236	4.62
A4 A4: Love children.	1236	4.71
A5 A5: Make people feel at ease.	1236	4.53
C1 C1: Am exacting in my work.	1236	4.50
C2 C2: Continue until everything is perfect.	1236	4.39
C3 C3: Do things according to a plan.	1236	4.30
C4 C4: Do things in a half-way manner.	1236	2.53
C5 C5: Waste my time.	1236	3.25

Descriptive Statistics

	N	Mean
E1 E1: Don't talk a lot.	1236	2.98
E2 E2: Find it difficult to approach others.	1236	3.14
E3 E3: Know how to captivate people.	1236	4.04
E4 E4: Make friends easily.	1236	4.44
E5 E5: Take charge.	1236	4.40
N1 N1: Get angry easily.	1236	2.92
N2 N2: Get irritated easily.	1236	3.47
N3 N3: Have frequent mood swings.	1236	3.23
N4 N4: Often feel blue.	1236	3.17
N5 N5: Panic easily.	1236	2.94
O1 O1: Am full of ideas.	1236	4.82
O2 O2: Avoid difficult reading material.	1236	2.69
O3 O3: Carry the conversation to a higher level.	1236	4.47
O4 O4: Spend time reflecting on things.	1236	4.87
O5 O5: Will not probe deeply into a subject.	1236	2.49
Valid N (listwise)	1236	

Factor Analysis

Notes

Output Created		03-SEP-2013 18:19:14
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /MISSING LISTWISE /ANALYSIS A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 …
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.00
	Maximum Memory Required	74408 (72.664K) bytes

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor ana
alysis/exercises/data/bfi-unique-3-exploratory.sav

Communalities

	Initial	Extraction
A1 A1: Am indifferent to the feelings of others.	1.000	.607
A2 A2: Inquire about others' well-being.	1.000	.615
A3 A3: Know how to comfort others.	1.000	.612
A4 A4: Love children.	1.000	.419
A5 A5: Make people feel at ease.	1.000	.551
C1 C1: Am exacting in my work.	1.000	.501
C2 C2: Continue until everything is perfect.	1.000	.619
C3 C3: Do things according to a plan.	1.000	.466
C4 C4: Do things in a half-way manner.	1.000	.648
C5 C5: Waste my time.	1.000	.564
E1 E1: Don't talk a lot.	1.000	.582
E2 E2: Find it difficult to approach others.	1.000	.635
E3 E3: Know how to captivate people.	1.000	.582
E4 E4: Make friends easily.	1.000	.638
E5 E5: Take charge.	1.000	.509
N1 N1: Get angry easily.	1.000	.747
N2 N2: Get irritated easily.	1.000	.726
N3 N3: Have frequent mood swings.	1.000	.646
N4 N4: Often feel blue.	1.000	.612
N5 N5: Panic easily.	1.000	.507
O1 O1: Am full of ideas.	1.000	.553
O2 O2: Avoid difficult reading material.	1.000	.546
O3 O3: Carry the conversation to a higher level.	1.000	.598

Communalities

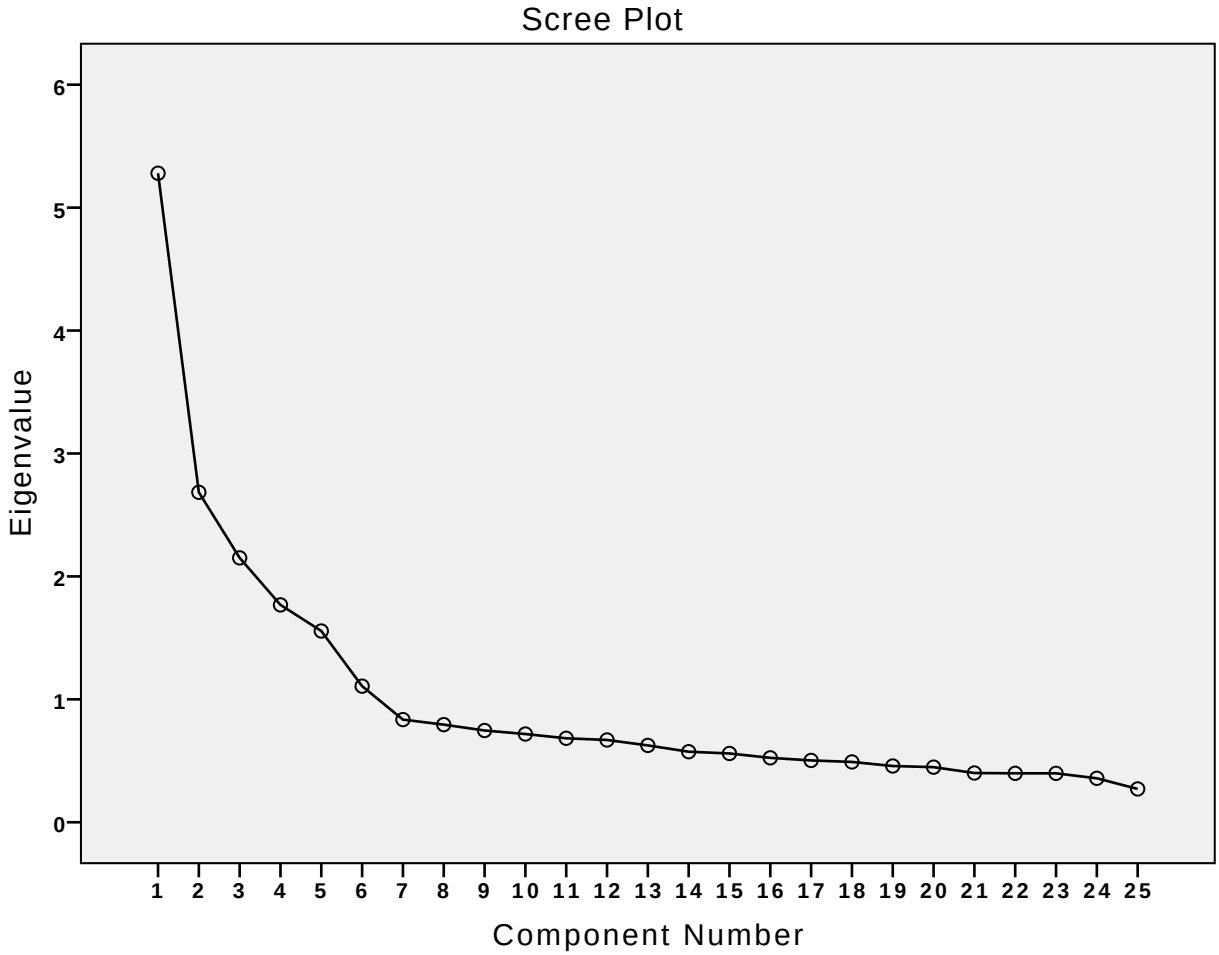
	Initial	Extraction
O4 O4: Spend time reflecting on things.	1.000	.523
O5 O5: Will not probe deeply into a subject.	1.000	.542

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.280	21.119	21.119	5.280	21.119	21.119
2	2.684	10.737	31.856	2.684	10.737	31.856
3	2.151	8.603	40.459	2.151	8.603	40.459
4	1.768	7.073	47.532	1.768	7.073	47.532
5	1.556	6.223	53.755	1.556	6.223	53.755
6	1.107	4.429	58.183	1.107	4.429	58.183
7	.835	3.340	61.524			
8	.794	3.177	64.701			
9	.746	2.985	67.686			
10	.718	2.871	70.557			
11	.683	2.733	73.290			
12	.669	2.678	75.967			
13	.625	2.500	78.468			
14	.574	2.295	80.763			
15	.560	2.238	83.001			
16	.524	2.097	85.098			
17	.503	2.012	87.110			
18	.491	1.964	89.073			
19	.458	1.830	90.903			
20	.448	1.793	92.697			
21	.401	1.603	94.300			
22	.398	1.593	95.893			
23	.398	1.592	97.485			
24	.358	1.430	98.916			
25	.271	1.084	100.000			

Extraction Method: Principal Component Analysis.



Component Matrix[a]

	Component					
	1	2	3	4	5	6
A1 A1: Am indifferent to the feelings of others.	-.250	-.022	.168	-.271	-.544	.382
A2 A2: Inquire about others' well-being.	.489	.298	-.178	.317	.350	-.179
A3 A3: Know how to comfort others.	.566	.298	-.252	.247	.277	.030
A4 A4: Love children.	.440	.163	-.164	.397	.120	.000
A5 A5: Make people feel at ease.	.574	.186	-.304	.142	.181	.203
C1 C1: Am exacting in my work.	.372	.170	.502	.137	-.184	.168
C2 C2: Continue until everything is perfect.	.350	.261	.496	.335	-.179	.197
C3 C3: Do things according to a plan.	.331	.111	.420	.372	-.167	.025
C4 C4: Do things in a half-way manner.	-.512	.092	-.459	-.214	.158	.309

Component Matrix[a]

	Component					
	1	2	3	4	5	6
C5 C5: Waste my time.	-.548	.153	-.293	-.260	.227	.186
E1 E1: Don't talk a lot.	-.400	-.196	.420	.296	.250	.240
E2 E2: Find it difficult to approach others.	-.643	-.002	.304	.196	.256	.160
E3 E3: Know how to captivate people.	.576	.350	-.143	-.241	-.075	.208
E4 E4: Make friends easily.	.605	.184	-.427	.025	-.210	.107
E5 E5: Take charge.	.570	.296	.031	-.179	-.252	.005
N1 N1: Get angry easily.	-.447	.637	-.027	-.049	-.263	-.263
N2 N2: Get irritated easily.	-.438	.637	.006	-.038	-.234	-.267
N3 N3: Have frequent mood swings.	-.426	.668	.001	.032	-.058	-.117
N4 N4: Often feel blue.	-.589	.454	.109	.091	.190	.044
N5 N5: Panic easily.	-.422	.516	-.009	.244	-.009	.060
O1 O1: Am full of ideas.	.389	.261	.259	-.444	.108	.241
O2 O2: Avoid difficult reading material.	-.258	.061	-.402	.378	-.239	.337
O3 O3: Carry the conversation to a higher level.	.448	.316	.187	-.458	.173	.148
O4 O4: Spend time reflecting on things.	-.097	.337	.254	-.114	.505	.260
O5 O5: Will not probe deeply into a subject.	-.278	-.066	-.352	.348	-.291	.361

Extraction Method: Principal Component Analysis.

a. 6 components extracted.

Factor Analysis

Notes

Output Created		03-SEP-2013 18:29:29
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /MISSING LISTWISE /ANALYSIS A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5…
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.00
	Maximum Memory Required	74408 (72.664K) bytes

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Communalities

	Initial	Extraction
A1 A1: Am indifferent to the feelings of others.	.206	.176
A2 A2: Inquire about others' well-being.	.396	.418
A3 A3: Know how to comfort others.	.445	.540
A4 A4: Love children.	.261	.298
A5 A5: Make people feel at ease.	.390	.451
C1 C1: Am exacting in my work.	.291	.321
C2 C2: Continue until everything is perfect.	.359	.410
C3 C3: Do things according to a plan.	.237	.303
C4 C4: Do things in a half-way manner.	.408	.495
C5 C5: Waste my time.	.378	.453
E1 E1: Don't talk a lot.	.357	.411
E2 E2: Find it difficult to approach others.	.464	.547
E3 E3: Know how to captivate people.	.413	.454
E4 E4: Make friends easily.	.480	.540
E5 E5: Take charge.	.380	.410
N1 N1: Get angry easily.	.574	.699
N2 N2: Get irritated easily.	.563	.660
N3 N3: Have frequent mood swings.	.481	.525
N4 N4: Often feel blue.	.477	.532
N5 N5: Panic easily.	.363	.360
O1 O1: Am full of ideas.	.299	.389
O2 O2: Avoid difficult reading material.	.223	.225
O3 O3: Carry the conversation to a higher level.	.364	.509
O4 O4: Spend time reflecting on things.	.187	.253
O5 O5: Will not probe deeply into a subject.	.209	.204

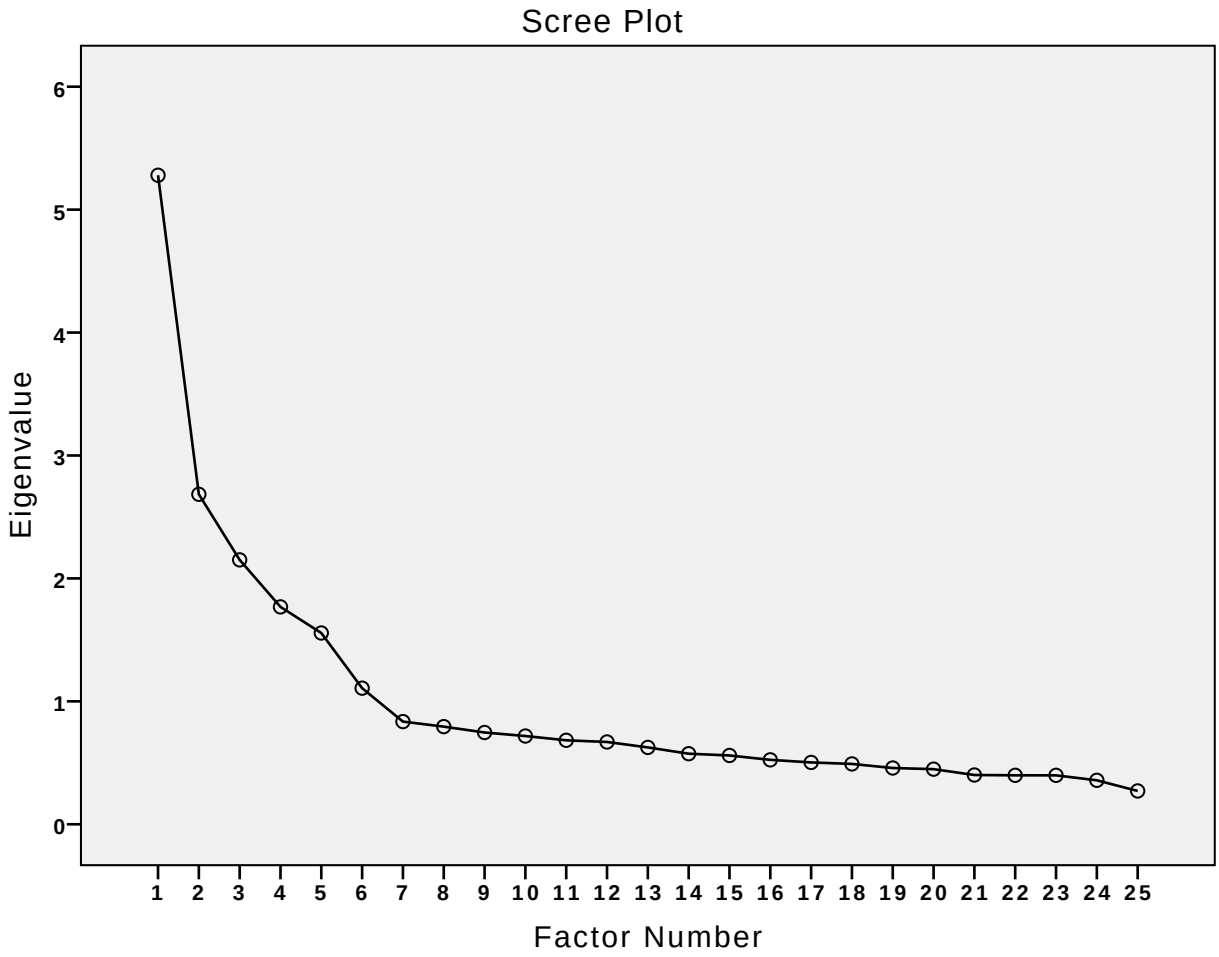
Extraction Method: Maximum Likelihood.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	5.280	21.119	21.119	4.648	18.592	18.592	3.021
2	2.684	10.737	31.856	2.267	9.068	27.660	3.459
3	2.151	8.603	40.459	1.557	6.226	33.887	2.805
4	1.768	7.073	47.532	1.142	4.569	38.456	2.881
5	1.556	6.223	53.755	.967	3.869	42.326	2.181
6	1.107	4.429	58.183				
7	.835	3.340	61.524				
8	.794	3.177	64.701				
9	.746	2.985	67.686				
10	.718	2.871	70.557				
11	.683	2.733	73.290				
12	.669	2.678	75.967				
13	.625	2.500	78.468				
14	.574	2.295	80.763				
15	.560	2.238	83.001				
16	.524	2.097	85.098				
17	.503	2.012	87.110				
18	.491	1.964	89.073				
19	.458	1.830	90.903				
20	.448	1.793	92.697				
21	.401	1.603	94.300				
22	.398	1.593	95.893				
23	.398	1.592	97.485				
24	.358	1.430	98.916				
25	.271	1.084	100.000				

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor				
	1	2	3	4	5
N4 N4: Often feel blue.	.622				
E2 E2: Find it difficult to approach others.	.603		.251		
N1 N1: Get angry easily.	.576	.570			
N2 N2: Get irritated easily.	.562	.559			
E4 E4: Make friends easily.	-.553	.324	-.331		
A5 A5: Make people feel at ease.	-.521	.256			
N3 N3: Have frequent mood swings.	.516	.500			
C5 C5: Waste my time.	.510		-.313		.295
A3 A3: Know how to comfort others.	-.491	.366		.347	
E3 E3: Know how to captivate people.	-.484	.420			
C4 C4: Do things in a half-way manner.	.461		-.461		.259
N5 N5: Panic easily.	.460	.311			
E5 E5: Take charge.	-.459	.387			
A2 A2: Inquire about others' well-being.	-.403	.323		.364	
A4 A4: Love children.	-.375			.336	
O1 O1: Am full of ideas.	-.309	.263		-.309	.289
C2 C2: Continue until everything is perfect.	-.265		.496		
C1 C1: Am exacting in my work.	-.294		.445		
C3 C3: Do things according to a plan.	-.262		.398		
E1 E1: Don't talk a lot.	.339	-.309	.345		
O2 O2: Avoid difficult reading material.			-.285	.250	
O5 O5: Will not probe deeply into a subject.			-.254		
A1 A1: Am indifferent to the feelings of others.				-.302	

Factor Matrix[a]

	Factor				
	1	2	3	4	5
O4 O4: Spend time reflecting on things.					.413
O3 O3: Carry the conversation to a higher level.	-.365	.333		-.317	.372

Extraction Method: Maximum Likelihood.

a. 5 factors extracted. 4 iterations required.

Goodness-of-fit Test

Chi-Square	df	Sig.
856.997	185	.000

Pattern Matrix[a]

	Factor				
	1	2	3	4	5
N1 N1: Get angry easily.	.861				
N2 N2: Get irritated easily.	.841				
N3 N3: Have frequent mood swings.	.711				
N5 N5: Panic easily.	.522				
N4 N4: Often feel blue.	.481	-.413			
E1 E1: Don't talk a lot.		-.703			
E2 E2: Find it difficult to approach others.		-.694			
E4 E4: Make friends easily.		.609	.301		
E5 E5: Take charge.		.451			
E3 E3: Know how to captivate people.		.432			.304
A3 A3: Know how to comfort others.			.667		
A2 A2: Inquire about others' well-being.			.609		
A5 A5: Make people feel at ease.			.549		
A4 A4: Love children.			.478		
A1 A1: Am indifferent to the feelings of others.			-.449		
C4 C4: Do things in a half-way manner.				-.676	
C2 C2: Continue until everything is perfect.				.637	
C5 C5: Waste my time.				-.581	
C3 C3: Do things according to a plan.				.576	
C1 C1: Am exacting in my work.				.530	
O3 O3: Carry the conversation to a higher level.					.666
O1 O1: Am full of ideas.					.594
O2 O2: Avoid difficult reading material.					-.437
O5 O5: Will not probe deeply into a subject.					-.435
O4 O4: Spend time reflecting on things.		-.354			.381

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 7 iterations.

Structure Matrix

	Factor				
	1	2	3	4	5
N1 N1: Get angry easily.	.804				
N2 N2: Get irritated easily.	.789				
N3 N3: Have frequent mood swings.	.722				
N4 N4: Often feel blue.	.619	-.526		-.340	
N5 N5: Panic easily.	.558	-.308			
E2 E2: Find it difficult to approach others.	.315	-.731	-.314	-.277	
E4 E4: Make friends easily.		.683	.504		
E1 E1: Don't talk a lot.		-.604			
E3 E3: Know how to captivate people.		.561	.441		.471
E5 E5: Take charge.		.552	.296	.399	.403
A3 A3: Know how to comfort others.		.404	.725	.255	
A2 A2: Inquire about others' well-being.		.302	.638	.261	
A5 A5: Make people feel at ease.		.444	.634		
A4 A4: Love children.		.285	.504	.281	
A1 A1: Am indifferent to the feelings of others.			-.385		
C4 C4: Do things in a half-way manner.	.297	-.260		-.695	
C5 C5: Waste my time.	.356	-.336		-.639	
C2 C2: Continue until everything is perfect.				.591	.265
C1 C1: Am exacting in my work.				.535	.306
C3 C3: Do things according to a plan.				.531	
O3 O3: Carry the conversation to a higher level.		.327	.272		.698
O1 O1: Am full of ideas.		.265			.613

Structure Matrix

	Factor				
	1	2	3	4	5
O5 O5: Will not probe deeply into a subject.					-.424
O2 O2: Avoid difficult reading material.					-.398
O4 O4: Spend time reflecting on things.					.317

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2	3	4	5
1	1.000	-.289	-.093	-.290	.008
2	-.289	1.000	.412	.373	.278
3	-.093	.412	1.000	.274	.310
4	-.290	.373	.274	1.000	.290
5	.008	.278	.310	.290	1.000

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Regression

Notes

Output Created		03-SEP-2013 18:30:54
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
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	N of Rows in Working Data …	1236
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 /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Notes

Memory Required	**30272 bytes**
Additional Memory Required for Residual Plots	**0 bytes**

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , E1 E1: Don't talk a lot. , C3 C3: Do things according to a plan. , O4 O4: Spend time reflecting on things. , O1 O1: Am full of ideas. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , A2 A2: Inquire about others' well-being. , C5 C5: Waste my time. , E3 E3: Know how to captivate people. , C2 C2: Continue until everything is perfect. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , E2 E2: Find it difficult to approach others. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , N1 N1: Get angry easily.[b]	.	Enter

a. Dependent Variable: A1 A1: Am indifferent to the feelings of others.

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.453[a]	.206	.190	1.242

a. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , E1 E1: Don't talk a lot. , C3 C3: Do things according to a plan. , O4 O4: Spend time reflecting on things. , O1 O1: Am full of ideas. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , A2 A2: Inquire about others' well-being. , C5 C5: Waste my time. , E3 E3: Know how to captivate people. , C2 C2: Continue until everything is perfect. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , E2 E2: Find it difficult to approach others. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , N1 N1: Get angry easily.

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	483.286	24	20.137	13.061	.000[b]
	Residual	1867.014	1211	1.542		
	Total	2350.300	1235			

a. Dependent Variable: A1 A1: Am indifferent to the feelings of others.

b. Predictors: (Constant), O5 O5: Will not probe deeply into a subject. , A4 A4: Love children. , N3 N3: Have frequent mood swings. , E1 E1: Don't talk a lot. , C3 C3: Do things according to a plan. , O4 O4: Spend time reflecting on things. , O1 O1: Am full of ideas. , C1 C1: Am exacting in my work. , O2 O2: Avoid difficult reading material., A5 A5: Make people feel at ease. , N5 N5: Panic easily. , A2 A2: Inquire about others' well-being. , C5 C5: Waste my time. , E3 E3: Know how to captivate people. , C2 C2: Continue until everything is perfect. , E5 E5: Take charge. , O3 O3: Carry the conversation to a higher level. , N2 N2: Get irritated easily. , C4 C4: Do things in a half-way manner. , E2 E2: Find it difficult to approach others. , A3 A3: Know how to comfort others. , N4 N4: Often feel blue. , E4 E4: Make friends easily. , N1 N1: Get angry easily.

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.831	.387		7.309	.000
	A2 A2: Inquire about others' well-being.	-.322	.036	-.289	-9.044	.000

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
	A3 A3: Know how to comfort others.	-.161	.036	-.153	-4.479	.000
	A4 A4: Love children.	-.023	.028	-.024	-.811	.418
	A5 A5: Make people feel at ease.	-.053	.036	-.049	-1.486	.138
	C1 C1: Am exacting in my work.	.098	.033	.090	2.954	.003
	C2 C2: Continue until everything is perfect.	.047	.034	.045	1.402	.161
	C3 C3: Do things according to a plan.	.049	.031	.046	1.574	.116
	C4 C4: Do things in a half-way manner.	.121	.033	.121	3.657	.000
	C5 C5: Waste my time.	.000	.027	.000	-.001	.999
	E1 E1: Don't talk a lot.	.035	.027	.041	1.290	.197
	E2 E2: Find it difficult to approach others.	-.006	.030	-.007	-.200	.841
	E3 E3: Know how to captivate people.	.071	.034	.070	2.085	.037
	E4 E4: Make friends easily.	.007	.034	.008	.220	.826
	E5 E5: Take charge.	.045	.033	.045	1.372	.170
	N1 N1: Get angry easily.	.031	.034	.035	.893	.372
	N2 N2: Get irritated easily.	.095	.035	.105	2.716	.007
	N3 N3: Have frequent mood swings.	.006	.031	.007	.192	.848
	N4 N4: Often feel blue.	-.059	.031	-.068	-1.927	.054
	N5 N5: Panic easily.	-.014	.027	-.016	-.509	.611
	O1 O1: Am full of ideas.	.072	.037	.060	1.966	.050
	O2 O2: Avoid difficult reading material.	.059	.026	.067	2.306	.021
	O3 O3: Carry the conversation to a higher level.	.004	.037	.004	.110	.913
	O4 O4: Spend time reflecting on things.	-.067	.032	-.059	-2.084	.037
	O5 O5: Will not probe deeply into a subject.	.011	.030	.010	.358	.721

a. Dependent Variable: A1 A1: Am indifferent to the feelings of others.

Factor Analysis

Notes

Output Created		03-SEP-2013 20:58:06
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /PRINT INITIAL EXTRACTION ROTATION .
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.00
	Maximum Memory Required	74408 (72.664K) bytes

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Communalities

	Initial	Extraction
A1 A1: Am indifferent to the feelings of others.	.206	.184
A2 A2: Inquire about others' well-being.	.396	.425
A3 A3: Know how to comfort others.	.445	.551
A4 A4: Love children.	.261	.274
A5 A5: Make people feel at ease.	.390	.446
C1 C1: Am exacting in my work.	.291	.341
C2 C2: Continue until everything is perfect.	.359	.417
C3 C3: Do things according to a plan.	.237	.273
C4 C4: Do things in a half-way manner.	.408	.431
C5 C5: Waste my time.	.378	.363
E1 E1: Don't talk a lot.	.357	.419
E2 E2: Find it difficult to approach others.	.464	.540
E3 E3: Know how to captivate people.	.413	.409
E4 E4: Make friends easily.	.480	.507
E5 E5: Take charge.	.380	.418
N1 N1: Get angry easily.	.574	.670
N2 N2: Get irritated easily.	.563	.642
N3 N3: Have frequent mood swings.	.481	.532
N4 N4: Often feel blue.	.477	.504
N5 N5: Panic easily.	.363	.358
O1 O1: Am full of ideas.	.299	.186
O2 O2: Avoid difficult reading material.	.223	.118
O3 O3: Carry the conversation to a higher level.	.364	.221

Communalities

	Initial	Extraction
O4 O4: Spend time reflecting on things.	.187	.097
O5 O5: Will not probe deeply into a subject.	.209	.098

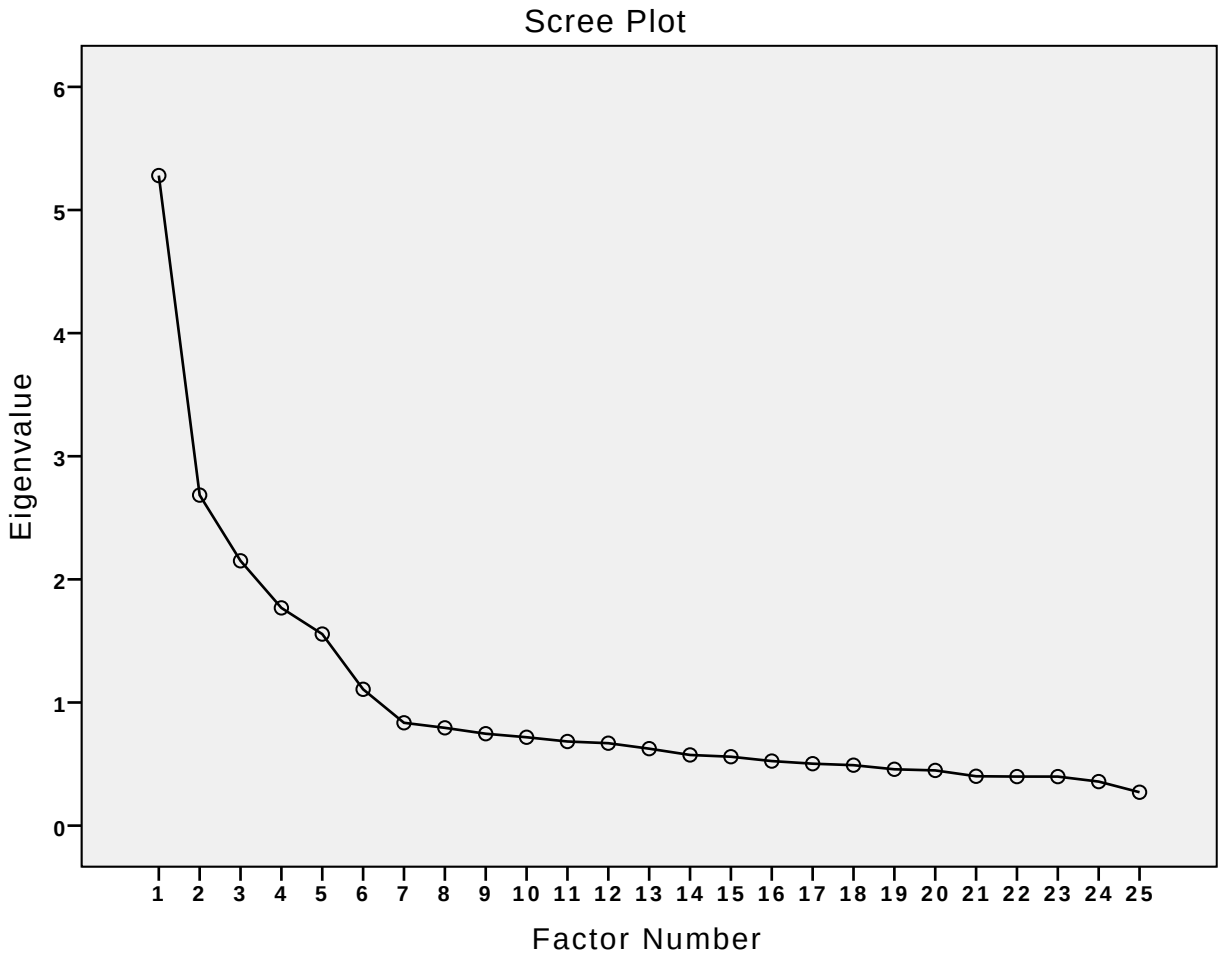
Extraction Method: Maximum Likelihood.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
Factor	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	5.280	21.119	21.119	4.611	18.444	18.444	3.070
2	2.684	10.737	31.856	2.234	8.935	27.379	3.406
3	2.151	8.603	40.459	1.521	6.085	33.465	2.990
4	1.768	7.073	47.532	1.057	4.226	37.691	2.926
5	1.556	6.223	53.755				
6	1.107	4.429	58.183				
7	.835	3.340	61.524				
8	.794	3.177	64.701				
9	.746	2.985	67.686				
10	.718	2.871	70.557				
11	.683	2.733	73.290				
12	.669	2.678	75.967				
13	.625	2.500	78.468				
14	.574	2.295	80.763				
15	.560	2.238	83.001				
16	.524	2.097	85.098				
17	.503	2.012	87.110				
18	.491	1.964	89.073				
19	.458	1.830	90.903				
20	.448	1.793	92.697				
21	.401	1.603	94.300				
22	.398	1.593	95.893				
23	.398	1.592	97.485				
24	.358	1.430	98.916				
25	.271	1.084	100.000				

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor			
	1	2	3	4
N4 N4: Often feel blue.	.623			
E2 E2: Find it difficult to approach others.	.606			.267
N1 N1: Get angry easily.	.572	.563		
N2 N2: Get irritated easily.	.560	.556		
E4 E4: Make friends easily.	-.558	.335	-.287	
A5 A5: Make people feel at ease.	-.528	.268		.261
N3 N3: Have frequent mood swings.	.520	.506		
C5 C5: Waste my time.	.500		-.328	
A3 A3: Know how to comfort others.	-.500	.384		.379
E3 E3: Know how to captivate people.	-.477	.405		

Factor Matrix[a]

	Factor			
	1	2	3	4
N5 N5: Panic easily.	.459	.321		
E5 E5: Take charge.	-.458	.379		
A2 A2: Inquire about others' well-being.	-.412	.342		.371
A4 A4: Love children.	-.381			.282
O3 O3: Carry the conversation to a higher level.	-.337	.279		
O1 O1: Am full of ideas.	-.288			
O5 O5: Will not probe deeply into a subject.				
C2 C2: Continue until everything is perfect.	-.258		.541	
C1 C1: Am exacting in my work.	-.288		.475	
C4 C4: Do things in a half-way manner.	.451		-.466	
C3 C3: Do things according to a plan.	-.260		.432	
E1 E1: Don't talk a lot.	.343	-.312	.353	.282
O2 O2: Avoid difficult reading material.				
A1 A1: Am indifferent to the feelings of others.				-.351
O4 O4: Spend time reflecting on things.				

Extraction Method: Maximum Likelihood.

a. 4 factors extracted. 5 iterations required.

Goodness-of-fit Test

Chi-Square	df	Sig.
1554.482	206	.000

Pattern Matrix[a]

	Factor			
	1	2	3	4
N1 N1: Get angry easily.	.801			
N2 N2: Get irritated easily.	.794			
N3 N3: Have frequent mood swings.	.733			
N4 N4: Often feel blue.	.557	-.344		
N5 N5: Panic easily.	.544			
O4 O4: Spend time reflecting on things.				
E1 E1: Don't talk a lot.		-.705		
E2 E2: Find it difficult to approach others.		-.673		
E4 E4: Make friends easily.		.571		.280
E3 E3: Know how to captivate people.		.514		
E5 E5: Take charge.		.510	.301	
O3 O3: Carry the conversation to a higher level.		.314	.263	
C2 C2: Continue until everything is perfect.			.654	
C4 C4: Do things in a half-way manner.			-.620	
C1 C1: Am exacting in my work.			.608	
C3 C3: Do things according to a plan.			.524	
C5 C5: Waste my time.			-.476	
O2 O2: Avoid difficult reading material.			-.312	
O1 O1: Am full of ideas.		.261	.306	
O5 O5: Will not probe deeply into a subject.			-.294	
A3 A3: Know how to comfort others.				.680
A2 A2: Inquire about others' well-being.				.619
A5 A5: Make people feel at ease.				.543
A4 A4: Love children.				.477
A1 A1: Am indifferent to the feelings of others.				-.468

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

Structure Matrix

	Factor			
	1	2	3	4
N1 N1: Get angry easily.	.791			-.252
N2 N2: Get irritated easily.	.781			
N3 N3: Have frequent mood swings.	.728			
N4 N4: Often feel blue.	.630	-.450	-.263	
N5 N5: Panic easily.	.568	-.262		
O4 O4: Spend time reflecting on things.				
E2 E2: Find it difficult to approach others.	.344	-.711		-.325
E4 E4: Make friends easily.		.665		.496
E1 E1: Don't talk a lot.		-.619		
E3 E3: Know how to captivate people.		.605	.329	.414
E5 E5: Take charge.		.583	.450	.290
O3 O3: Carry the conversation to a higher level.		.397	.363	
C4 C4: Do things in a half-way manner.	.289		-.636	
C2 C2: Continue until everything is perfect.			.616	.256
C1 C1: Am exacting in my work.			.580	
C5 C5: Waste my time.	.351	-.275	-.551	-.258
C3 C3: Do things according to a plan.			.508	
O1 O1: Am full of ideas.		.330	.364	
O5 O5: Will not probe deeply into a subject.			-.301	
O2 O2: Avoid difficult reading material.			-.298	
A3 A3: Know how to comfort others.		.425	.276	.730
A2 A2: Inquire about others' well-being.		.322	.271	.645

Structure Matrix

	Factor			
	1	2	3	4
A5 A5: Make people feel at ease.		.455		.631
A4 A4: Love children.		.269		.518
A1 A1: Am indifferent to the feelings of others.				-.401

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2	3	4
1	1.000	-.232	-.216	-.190
2	-.232	1.000	.345	.433
3	-.216	.345	1.000	.361
4	-.190	.433	.361	1.000

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Analysis

Notes

Output Created		03-SEP-2013 21:01:45
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /PRINT INITIAL EXTRACTION ROTATION .
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.00
	Maximum Memory Required	74408 (72.664K) bytes

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Communalities

	Initial	Extraction
A1 A1: Am indifferent to the feelings of others.	.206	.296
A2 A2: Inquire about others' well-being.	.396	.532
A3 A3: Know how to comfort others.	.445	.534
A4 A4: Love children.	.261	.294
A5 A5: Make people feel at ease.	.390	.449
C1 C1: Am exacting in my work.	.291	.354
C2 C2: Continue until everything is perfect.	.359	.512
C3 C3: Do things according to a plan.	.237	.298
C4 C4: Do things in a half-way manner.	.408	.531
C5 C5: Waste my time.	.378	.445
E1 E1: Don't talk a lot.	.357	.403
E2 E2: Find it difficult to approach others.	.464	.543
E3 E3: Know how to captivate people.	.413	.484
E4 E4: Make friends easily.	.480	.594
E5 E5: Take charge.	.380	.405
N1 N1: Get angry easily.	.574	.715
N2 N2: Get irritated easily.	.563	.692
N3 N3: Have frequent mood swings.	.481	.524
N4 N4: Often feel blue.	.477	.542
N5 N5: Panic easily.	.363	.402
O1 O1: Am full of ideas.	.299	.386
O2 O2: Avoid difficult reading material.	.223	.304
O3 O3: Carry the conversation to a higher level.	.364	.507

Communalities

	Initial	Extraction
O4 O4: Spend time reflecting on things.	.187	.249
O5 O5: Will not probe deeply into a subject.	.209	.299

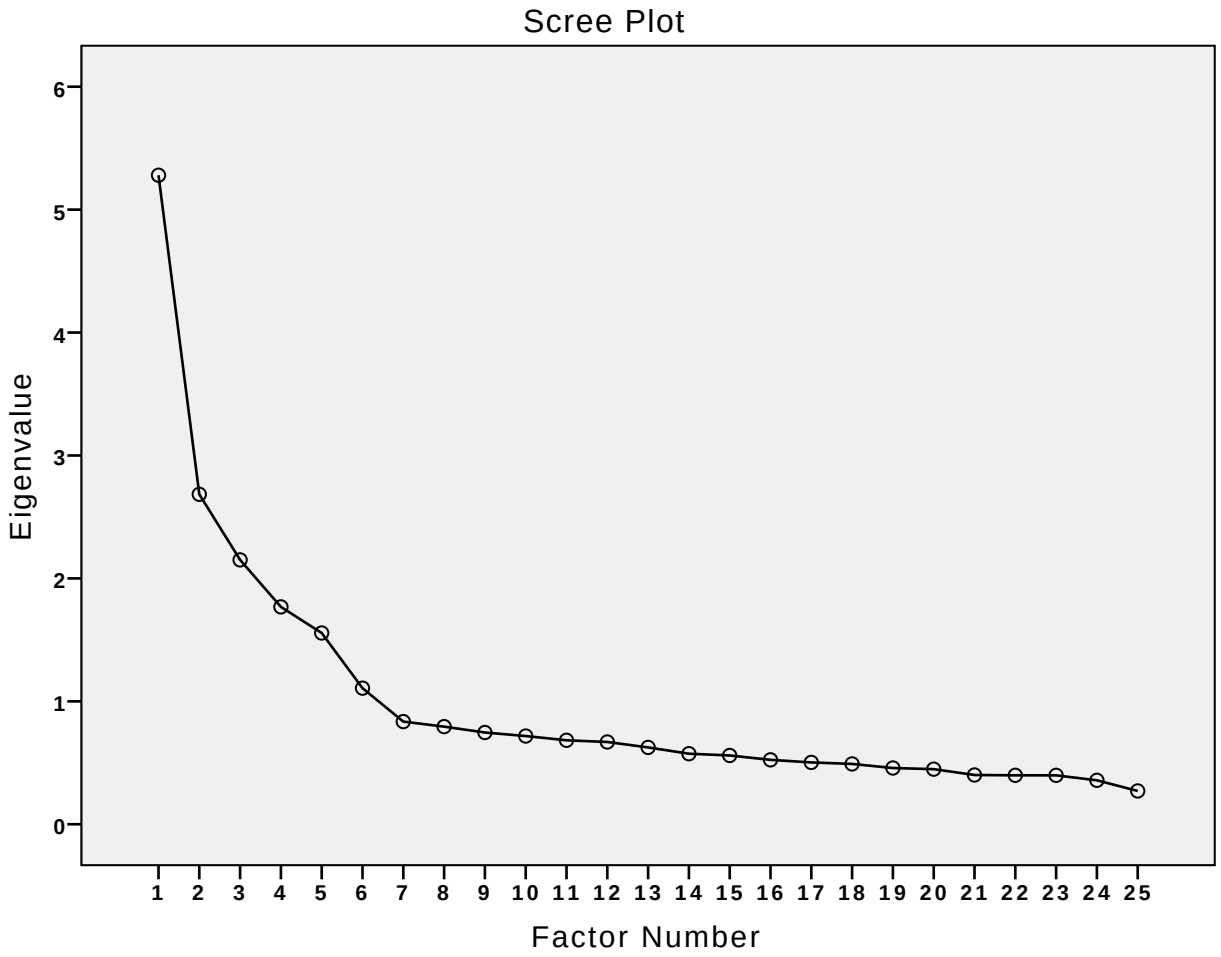
Extraction Method: Maximum Likelihood.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	5.280	21.119	21.119	4.659	18.637	18.637	3.132
2	2.684	10.737	31.856	2.292	9.170	27.806	3.720
3	2.151	8.603	40.459	1.589	6.356	34.162	2.927
4	1.768	7.073	47.532	1.169	4.675	38.837	2.587
5	1.556	6.223	53.755	1.011	4.043	42.880	1.797
6	1.107	4.429	58.183	.573	2.292	45.172	1.175
7	.835	3.340	61.524				
8	.794	3.177	64.701				
9	.746	2.985	67.686				
10	.718	2.871	70.557				
11	.683	2.733	73.290				
12	.669	2.678	75.967				
13	.625	2.500	78.468				
14	.574	2.295	80.763				
15	.560	2.238	83.001				
16	.524	2.097	85.098				
17	.503	2.012	87.110				
18	.491	1.964	89.073				
19	.458	1.830	90.903				
20	.448	1.793	92.697				
21	.401	1.603	94.300				
22	.398	1.593	95.893				
23	.398	1.592	97.485				
24	.358	1.430	98.916				
25	.271	1.084	100.000				

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor					
	1	2	3	4	5	6
N4 N4: Often feel blue.	.619					
E2 E2: Find it difficult to approach others.	.597					
N1 N1: Get angry easily.	.585	.570				
N2 N2: Get irritated easily.	.572	.565				
E4 E4: Make friends easily.	-.554	.332	-.343			
A5 A5: Make people feel at ease.	-.520	.258				
N3 N3: Have frequent mood swings.	.517	.494				
C5 C5: Waste my time.	.508		-.310		.288	
A3 A3: Know how to comfort others.	-.491	.371		.333		
E3 E3: Know how to captivate people.	-.480	.417				

Factor Matrix[a]

	Factor					
	1	2	3	4	5	6
N5 N5: Panic easily.	.460	.313				
E5 E5: Take charge.	-.453	.387				
A2 A2: Inquire about others' well-being.	-.413	.343		.403		
A4 A4: Love children.	-.376			.319		
C2 C2: Continue until everything is perfect.	-.271	.255	.521			
C4 C4: Do things in a half-way manner.	.465		-.469			
C1 C1: Am exacting in my work.	-.297		.449			
C3 C3: Do things according to a plan.	-.263		.392			
E1 E1: Don't talk a lot.	.332	-.305	.340	.261		
O2 O2: Avoid difficult reading material.			-.287			
A1 A1: Am indifferent to the feelings of others.				-.342		.293
O4 O4: Spend time reflecting on things.					.411	
O3 O3: Carry the conversation to a higher level.	-.360	.324		-.298	.396	
O1 O1: Am full of ideas.	-.306	.255		-.292	.311	
O5 O5: Will not probe deeply into a subject.			-.256		-.268	.267

Extraction Method: Maximum Likelihood.

a. 6 factors extracted. 4 iterations required.

Goodness-of-fit Test

Chi-Square	df	Sig.
517.787	165	.000

Pattern Matrix[a]

	Factor					
	1	2	3	4	5	6
N1 N1: Get angry easily.	.879					
N2 N2: Get irritated easily.	.875					
N3 N3: Have frequent mood swings.	.653					
N5 N5: Panic easily.	.427					
N4 N4: Often feel blue.	.409	-.361				.401
E4 E4: Make friends easily.		.753			-.256	
E1 E1: Don't talk a lot.		-.715				
E2 E2: Find it difficult to approach others.		-.710				.274
E3 E3: Know how to captivate people.		.603				
E5 E5: Take charge.		.512				
A5 A5: Make people feel at ease.		.355		.332		
C2 C2: Continue until everything is perfect.			.768			
C1 C1: Am exacting in my work.			.596			
C4 C4: Do things in a half-way manner.			-.592			.289
C3 C3: Do things according to a plan.			.576			
C5 C5: Waste my time.			-.523			.301
A2 A2: Inquire about others' well-being.				.709		
A1 A1: Am indifferent to the feelings of others.				-.606		
A3 A3: Know how to comfort others.				.561		
A4 A4: Love children.				.375		
O5 O5: Will not probe deeply into a subject.					-.568	
O2 O2: Avoid difficult reading material.					-.559	
O3 O3: Carry the conversation to a higher level.		.295			.516	.399
O1 O1: Am full of ideas.					.451	.325
O4 O4: Spend time reflecting on things.		-.261			.304	.472

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 10 iterations.

Structure Matrix

	Factor					
	1	2	3	4	5	6
N1 N1: Get angry easily.	.832					
N2 N2: Get irritated easily.	.822					
N3 N3: Have frequent mood swings.	.684					.341
N4 N4: Often feel blue.	.577	-.401			-.263	.406
N5 N5: Panic easily.	.516				-.355	.359
E4 E4: Make friends easily.	-.253	.727	.268	.404		
E2 E2: Find it difficult to approach others.	.326	-.670		-.311		
E3 E3: Know how to captivate people.		.667	.324	.273		.266
E5 E5: Take charge.		.570	.408		.321	
E1 E1: Don't talk a lot.		-.559				
A5 A5: Make people feel at ease.	-.294	.550	.277	.533		
C2 C2: Continue until everything is perfect.			.687			
C4 C4: Do things in a half-way manner.	.268		-.622	-.264	-.387	.290
C1 C1: Am exacting in my work.			.579			
C5 C5: Waste my time.	.337	-.274	-.566	-.278	-.251	.261
C3 C3: Do things according to a plan.			.531			
A2 A2: Inquire about others' well-being.		.371	.292	.712		
A3 A3: Know how to comfort others.		.512	.320	.674		
A1 A1: Am indifferent to the feelings of others.				-.502		
A4 A4: Love children.		.337	.316	.493		
O2 O2: Avoid difficult reading material.					-.538	
O5 O5: Will not probe deeply into a subject.					-.523	

Structure Matrix

	Factor					
	1	2	3	4	5	6
O3 O3: Carry the conversation to a higher level.		.457	.289		.483	.320
O1 O1: Am full of ideas.		.370	.289		.445	.251
O4 O4: Spend time reflecting on things.						.372

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2	3	4	5	6
1	1.000	-.291	-.245	-.286	-.190	.167
2	-.291	1.000	.406	.439	.208	.180
3	-.245	.406	1.000	.350	.295	.086
4	-.286	.439	.350	1.000	.018	.058
5	-.190	.208	.295	.018	1.000	-.241
6	.167	.180	.086	.058	-.241	1.000

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Analysis

Notes

Output Created		03-SEP-2013 21:58:25
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O5 /PRINT INITIAL EXTRACTION ROTATION .
Resources	Processor Time	00:00:00.18
	Elapsed Time	00:00:00.00
	Maximum Memory Required	63504 (62.016K) bytes

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor ana
alysis/exercises/data/bfi-unique-3-exploratory.sav

Communalities

	Initial	Extraction
A1 A1: Am indifferent to the feelings of others.	.200	.177
A2 A2: Inquire about others' well-being.	.391	.426
A3 A3: Know how to comfort others.	.433	.541
A4 A4: Love children.	.261	.299
A5 A5: Make people feel at ease.	.378	.440
C1 C1: Am exacting in my work.	.286	.322
C2 C2: Continue until everything is perfect.	.358	.418
C3 C3: Do things according to a plan.	.236	.307
C4 C4: Do things in a half-way manner.	.407	.485
C5 C5: Waste my time.	.369	.439
E1 E1: Don't talk a lot.	.354	.435
E2 E2: Find it difficult to approach others.	.445	.535
E4 E4: Make friends easily.	.472	.538
E5 E5: Take charge.	.352	.392
N1 N1: Get angry easily.	.573	.698
N2 N2: Get irritated easily.	.563	.661
N3 N3: Have frequent mood swings.	.476	.524
N4 N4: Often feel blue.	.475	.546
N5 N5: Panic easily.	.361	.361
O1 O1: Am full of ideas.	.273	.355
O2 O2: Avoid difficult reading material.	.222	.245
O3 O3: Carry the conversation to a higher level.	.339	.520
O5 O5: Will not probe deeply into a subject.	.204	.222

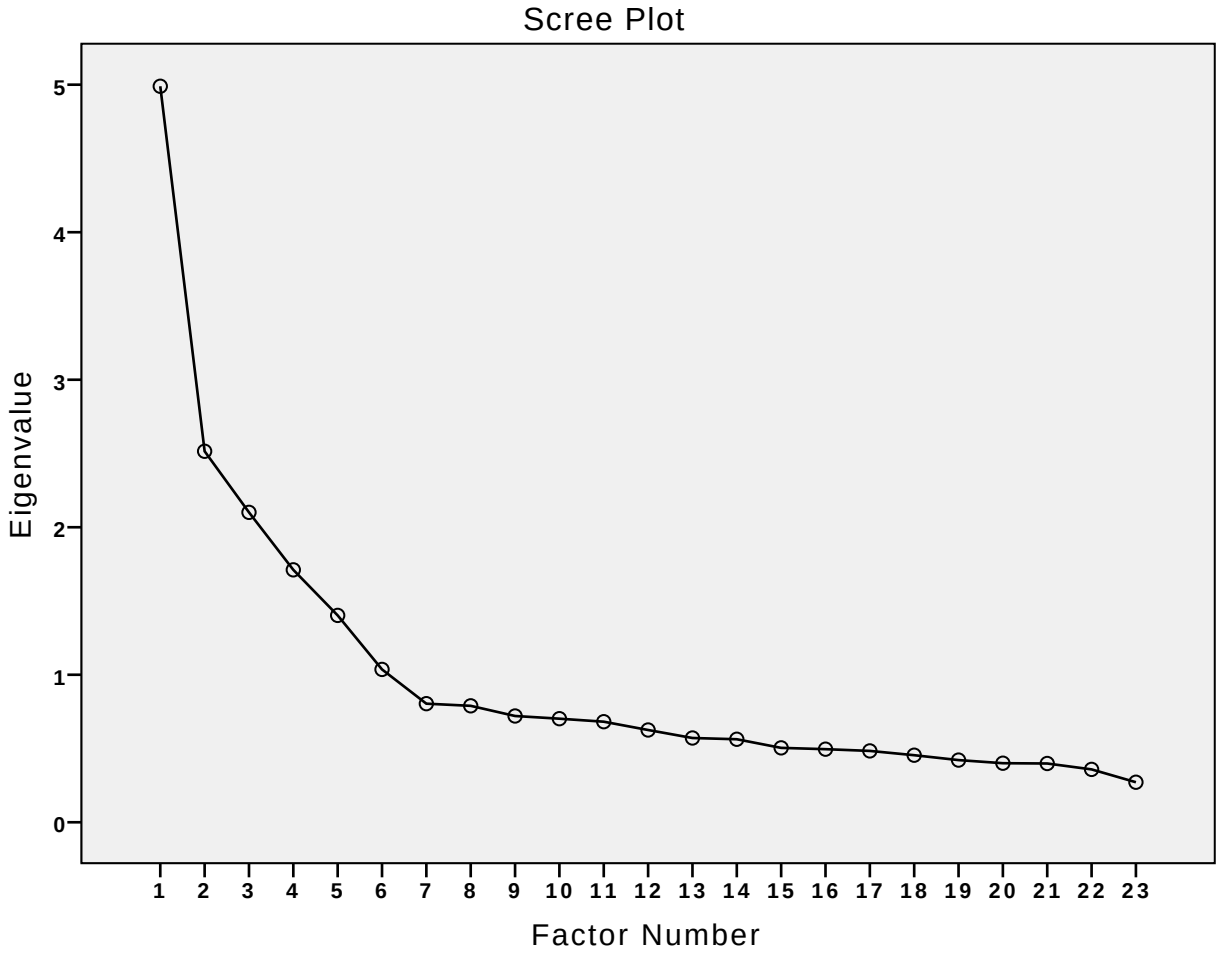
Extraction Method: Maximum Likelihood.

Total Variance Explained

Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings[a]
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	4.989	21.693	21.693	4.346	18.897	18.897	3.003
2	2.515	10.935	32.628	2.127	9.246	28.143	2.674
3	2.101	9.134	41.761	1.514	6.582	34.725	2.854
4	1.711	7.440	49.202	1.102	4.792	39.517	3.082
5	1.402	6.097	55.299	.800	3.479	42.996	1.942
6	1.036	4.505	59.804				
7	.804	3.495	63.299				
8	.789	3.432	66.731				
9	.720	3.132	69.864				
10	.702	3.053	72.917				
11	.682	2.964	75.880				
12	.626	2.720	78.600				
13	.571	2.483	81.084				
14	.563	2.447	83.530				
15	.504	2.193	85.723				
16	.495	2.154	87.877				
17	.484	2.103	89.980				
18	.455	1.976	91.957				
19	.422	1.833	93.789				
20	.400	1.741	95.530				
21	.398	1.732	97.262				
22	.358	1.558	98.820				
23	.271	1.180	100.000				

Extraction Method: Maximum Likelihood.

a. When factors are correlated, sums of squared loadings cannot be added to obtain a total variance.



Factor Matrix[a]

	Factor				
	1	2	3	4	5
N4 N4: Often feel blue.	.638				.254
N1 N1: Get angry easily.	.620	.531			
N2 N2: Get irritated easily.	.604	.522			
E2 E2: Find it difficult to approach others.	.576				
N3 N3: Have frequent mood swings.	.556	.453			
E4 E4: Make friends easily.	-.519	.365	-.334		
C5 C5: Waste my time.	.511		-.321		.255
A5 A5: Make people feel at ease.	-.495	.288			
N5 N5: Panic easily.	.481	.276			
C4 C4: Do things in a half-way manner.	.467		-.460		
A3 A3: Know how to comfort others.	-.462	.406		.322	
E5 E5: Take charge.	-.419	.407			
A2 A2: Inquire about others' well-being.	-.388	.373		.329	
A4 A4: Love children.	-.363	.251		.314	
C2 C2: Continue until everything is perfect.	-.253	.274	.492		
C1 C1: Am exacting in my work.	-.288		.438		
C3 C3: Do things according to a plan.	-.260		.394		
E1 E1: Don't talk a lot.	.308	-.334	.344	.303	
O2 O2: Avoid difficult reading material.			-.281		
A1 A1: Am indifferent to the feelings of others.				-.278	
O3 O3: Carry the conversation to a higher level.	-.333	.329		-.317	.423
O1 O1: Am full of ideas.	-.281	.251		-.291	.301
O5 O5: Will not probe deeply into a subject.					-.256

Extraction Method: Maximum Likelihood.

a. 5 factors extracted. 5 iterations required.

Goodness-of-fit Test

Chi-Square	df	Sig.
749.232	148	.000

Pattern Matrix[a]

	Factor				
	1	2	3	4	5
N1 N1: Get angry easily.	.850				
N2 N2: Get irritated easily.	.833				
N3 N3: Have frequent mood swings.	.710				
N5 N5: Panic easily.	.518				
N4 N4: Often feel blue.	.489			-.442	
A3 A3: Know how to comfort others.		.677			
A2 A2: Inquire about others' well-being.		.610			
A5 A5: Make people feel at ease.		.553			
A4 A4: Love children.		.463			
A1 A1: Am indifferent to the feelings of others.		-.448			
C4 C4: Do things in a half-way manner.			-.668		
C2 C2: Continue until everything is perfect.			.648		
C3 C3: Do things according to a plan.			.586		
C5 C5: Waste my time.			-.581		
C1 C1: Am exacting in my work.			.538		
E1 E1: Don't talk a lot.				-.720	
E2 E2: Find it difficult to approach others.				-.673	
E4 E4: Make friends easily.		.286		.606	
E5 E5: Take charge.				.432	
O3 O3: Carry the conversation to a higher level.					.681
O1 O1: Am full of ideas.					.558
O2 O2: Avoid difficult reading material.					-.457
O5 O5: Will not probe deeply into a subject.					-.455

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

Structure Matrix

	Factor				
	1	2	3	4	5
N1 N1: Get angry easily.	.809				
N2 N2: Get irritated easily.	.793				
N3 N3: Have frequent mood swings.	.720				
N4 N4: Often feel blue.	.619		-.329	-.534	
N5 N5: Panic easily.	.557			-.308	
A3 A3: Know how to comfort others.		.728	.272	.400	
A2 A2: Inquire about others' well-being.		.645	.275	.319	
A5 A5: Make people feel at ease.		.633		.436	
A4 A4: Love children.		.516	.290	.285	
A1 A1: Am indifferent to the feelings of others.		-.393			
C4 C4: Do things in a half-way manner.	.297		-.685	-.259	
C5 C5: Waste my time.	.354		-.628	-.319	
C2 C2: Continue until everything is perfect.			.605		.255
C1 C1: Am exacting in my work.			.546		.307
C3 C3: Do things according to a plan.			.537		
E2 E2: Find it difficult to approach others.	.314	-.340	-.273	-.722	
E4 E4: Make friends easily.		.517		.682	
E1 E1: Don't talk a lot.				-.623	
E5 E5: Take charge.		.293	.407	.540	.396
O3 O3: Carry the conversation to a higher level.		.253		.324	.704
O1 O1: Am full of ideas.				.263	.590
O5 O5: Will not probe deeply into a subject.					-.460
O2 O2: Avoid difficult reading material.					-.449

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Factor Correlation Matrix

Factor	1	2	3	4	5
1	1.000	-.142	-.278	-.288	-.086
2	-.142	1.000	.316	.437	.202
3	-.278	.316	1.000	.364	.350
4	-.288	.437	.364	1.000	.310
5	-.086	.202	.350	.310	1.000

Extraction Method: Maximum Likelihood.
Rotation Method: Promax with Kaiser Normalization.

Descriptives

Notes

Output Created		04-SEP-2013 11:34:26
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data ...	1236
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=A1 A2 A3 A4 A5 C1 C2 C3 C4 C5 E1 E2 E3 E4 E5 N1 N2 N3 N4 N5 O1 O2 O3 O4 O5 /STATISTICS=MEAN..
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Descriptive Statistics

	N	Mean	Std. Deviation
A1 A1: Am indifferent to the feelings of others.	1236	2.41	1.380
A2 A2: Inquire about others' well-being.	1236	4.77	1.238
A3 A3: Know how to comfort others.	1236	4.62	1.310
A4 A4: Love children.	1236	4.71	1.477
A5 A5: Make people feel at ease.	1236	4.53	1.271
C1 C1: Am exacting in my work.	1236	4.50	1.258
C2 C2: Continue until everything is perfect.	1236	4.39	1.307
C3 C3: Do things according to a plan.	1236	4.30	1.307
C4 C4: Do things in a half-way manner.	1236	2.53	1.380
C5 C5: Waste my time.	1236	3.25	1.635
E1 E1: Don't talk a lot.	1236	2.98	1.635
E2 E2: Find it difficult to approach others.	1236	3.14	1.615
E3 E3: Know how to captivate people.	1236	4.04	1.350
E4 E4: Make friends easily.	1236	4.44	1.453
E5 E5: Take charge.	1236	4.40	1.366
N1 N1: Get angry easily.	1236	2.92	1.573
N2 N2: Get irritated easily.	1236	3.47	1.529
N3 N3: Have frequent mood swings.	1236	3.23	1.606
N4 N4: Often feel blue.	1236	3.17	1.594
N5 N5: Panic easily.	1236	2.94	1.621
O1 O1: Am full of ideas.	1236	4.82	1.148
O2 O2: Avoid difficult reading material.	1236	2.69	1.560

Descriptive Statistics

	N	Mean	Std. Deviation
O3 O3: Carry the conversation to a higher level.	1236	4.47	1.208
O4 O4: Spend time reflecting on things.	1236	4.87	1.208
O5 O5: Will not probe deeply into a subject.	1236	2.49	1.323
Valid N (listwise)	1236		

Crosstabs

Notes

Output Created		04-SEP-2013 11:45:24
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		crosstabs a1 by a1r.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	131029

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
A1 A1: Am indifferent to the feelings of others. * A1r	1236	100.0%	0	0.0%	1236	100.0%

A1 A1: Am indifferent to the feelings of others. * A1r Crosstabulation

Count

		A1r						Total
		.00	1.00	2.00	3.00	4.00	5.00	
A1 A1: Am indifferent to the feelings of others.	1	0	0	0	0	0	404	404
	2	0	0	0	0	359	0	359
	3	0	0	0	195	0	0	195
	4	0	0	154	0	0	0	154
	5	0	92	0	0	0	0	92
	6	32	0	0	0	0	0	32
Total		32	92	154	195	359	404	1236

Crosstabs

Notes

Output Created		04-SEP-2013 11:45:35
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		crosstabs a2 by a2r.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	131029

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
A2 A2: Inquire about others' well-being. * A2r	1236	100.0%	0	0.0%	1236	100.0%

A2 A2: Inquire about others' well-being. * A2r Crosstabulation

Count

		A2r						Total
		1.00	2.00	3.00	4.00	5.00	6.00	
A2 A2: Inquire about others' well-being.	1	28	0	0	0	0	0	28
	2	0	70	0	0	0	0	70
	3	0	0	66	0	0	0	66
	4	0	0	0	219	0	0	219
	5	0	0	0	0	459	0	459
	6	0	0	0	0	0	394	394
Total		28	70	66	219	459	394	1236

Descriptives

Notes

Output Created		04-SEP-2013 11:53:20
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		descriptives neuroticism extraversion openness agreeableness conscientiousness.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
neuroticism	1236	1.00	6.00	3.1464	1.21359
extraversion	1236	1.00	6.00	3.7413	.58790
openness	1236	1.00	6.00	3.6155	.60511
agreeableness	1236	1.00	5.60	3.7943	.55993
conscientiousness	1236	1.00	5.60	3.7943	.55993
Valid N (listwise)	1236				

Reliability

Notes

Output Created		04-SEP-2013 11:58:13
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=n1r n2r n3r n4r n5r /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Warnings

No SCALE subcommand was found. Scaling will be done on all specified variables.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1236	100.0
	Excluded[a]	0	.0
	Total	1236	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.823	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
N1r	12.8163	24.053	.667	.774
N2r	12.2597	24.589	.652	.779
N3r	12.4976	23.683	.675	.771
N4r	12.5607	25.131	.572	.802
N5r	12.7945	25.567	.526	.815

Reliability

Notes

Output Created		04-SEP-2013 11:58:13
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=e1r e2r e4r e5r /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Warnings

No SCALE subcommand was found. Scaling will be done on all specified variables.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1236	100.0
	Excluded[a]	0	.0
	Total	1236	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.735	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
E1r	11.6958	12.000	.525	.677
E2r	11.8560	11.490	.596	.632
E4r	10.2751	12.632	.569	.651
E5r	10.3115	14.383	.422	.729

Reliability

Notes

Output Created		04-SEP-2013 11:58:13
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=o1r o2r o3r o5r/MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Warnings

No SCALE subcommand was found. Scaling will be done on all specified variables.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1236	100.0
	Excluded[a]	0	.0
	Total	1236	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.624	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
O1r	11.2937	8.991	.403	.559
O2r	12.8010	7.397	.383	.582
O3r	11.6464	8.371	.466	.514
O5r	12.6011	8.370	.387	.566

Reliability

Notes

Output Created		04-SEP-2013 11:58:13
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=A1r A2r A3r A4r A5r /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Warnings

No SCALE subcommand was found. Scaling will be done on all specified variables.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1236	100.0
	Excluded[a]	0	.0
	Total	1236	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.721	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
A1r	18.6424	15.525	.341	.728
A2r	17.4612	14.171	.584	.635
A3r	17.6141	13.586	.605	.623
A4r	17.5227	14.221	.425	.699
A5r	17.7015	14.867	.475	.676

Reliability

Notes

Output Created		04-SEP-2013 11:58:13
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=c1r c2r c3r c4r c5r /MODEL=ALPHA /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Warnings

No SCALE subcommand was found. Scaling will be done on all specified variables.

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1236	100.0
	Excluded[a]	0	.0
	Total	1236	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.731	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
C1r	14.9078	16.722	.461	.696
C2r	15.0218	16.021	.508	.679
C3r	15.1060	16.511	.454	.698
C4r	15.9369	15.079	.565	.655
C5r	16.6618	14.373	.484	.693

Correlations

Notes

Output Created		04-SEP-2013 12:26:26
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=neuroticism extraversion openness agreeableness conscientiousness /PRINT=TWOTAIL SIG ..
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Correlations

Pearson Correlation

	neuroticism	extraversion	openness	agreeableness	conscientiousness
neuroticism	1	-.263	-.177	-.200	-.244
extraversion	-.263	1	.249	.427	.249
openness	-.177	.249	1	.163	.280
agreeableness	-.200	.427	.163	1	.275
conscientiousness	-.244	.249	.280	.275	1

T-Test

Notes

Output Created		04-SEP-2013 12:28:06
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=gender(1 2) /MISSING=ANALYSIS /VARIABLES=neuroticis…
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Group Statistics

	N		Mean		Std. Deviation		Std. Error Mean	
	gender		gender		gender		gender	
	1 Male	2 Female	1 Male	2 Female	1 Male	2 Female	1 Male	2 Female
neuroticism	402	834	2.8871	3.2715	1.15652	1.22129	.05768	.04229
extraversion	402	834	3.5398	3.7449	1.19275	1.10108	.05949	.03813
openness	402	834	4.1480	3.9709	.90605	.89833	.04519	.03111
agreeableness	402	834	4.2010	4.5657	.95442	.87857	.04760	.03042
conscientiousness	402	834	3.7871	3.9273	.99326	.94087	.04954	.03258

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means		
		F	Sig.	t	df	Sig. (2-tailed)
neuroticism	Equal variances assumed	3.876	.049	-5.273	1234	.000
	Equal variances not assumed			-5.374	832.199	.000
extraversion	Equal variances assumed	2.793	.095	-2.985	1234	.003
	Equal variances not assumed			-2.903	738.142	.004
openness	Equal variances assumed	.000	.999	3.238	1234	.001
	Equal variances not assumed			3.228	786.087	.001
agreeableness	Equal variances assumed	2.118	.146	-6.645	1234	.000
	Equal variances not assumed			-6.456	736.334	.000
conscientiousness	Equal variances assumed	1.889	.170	-2.411	1234	.016
	Equal variances not assumed			-2.366	754.901	.018

Independent Samples Test

		t-test for Equality of Means			
		Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
				Lower	Upper
neuroticism	Equal variances assumed	-.38440	.07290	-.52742	-.24138
	Equal variances not assumed	-.38440	.07152	-.52479	-.24401
extraversion	Equal variances assumed	-.20510	.06871	-.33991	-.07030
	Equal variances not assumed	-.20510	.07066	-.34382	-.06639
openness	Equal variances assumed	.17709	.05470	.06978	.28440
	Equal variances not assumed	.17709	.05486	.06940	.28478
agreeableness	Equal variances assumed	-.36471	.05488	-.47239	-.25704
	Equal variances not assumed	-.36471	.05649	-.47562	-.25381
conscientiousness	Equal variances assumed	-.14027	.05818	-.25442	-.02613
	Equal variances not assumed	-.14027	.05929	-.25667	-.02388

Oneway

Notes

Output Created		04-SEP-2013 13:53:47
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY neuroticism extraversion openness agreeableness conscientiousness BY education /POLYNOMIAL=2 /STATISTICS DESCRIPTIVES…
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Descriptives

			neuroticism	extraversion	openness	agreeableness
N		1 HS	93	93	93	93
		2 finished HS	125	125	125	125
		3 some college	544	544	544	544
		4 college graduate	184	184	184	184
		5 graduate degree	185	185	185	185
		Total	1131	1131	1131	1131
Mean		1 HS	3.2	3.4	4.0	4.4
		2 finished HS	3.3	3.7	4.1	4.3
		3 some college	3.1	3.8	4.0	4.6
		4 college graduate	3.0	3.6	4.1	4.4
		5 graduate degree	3.1	3.7	4.3	4.5
		Total	3.1	3.7	4.1	4.5
Std. Deviation		1 HS	1.2	1.2	.9	1.0
		2 finished HS	1.4	1.2	.9	.9
		3 some college	1.2	1.1	.9	.9
		4 college graduate	1.1	1.2	1.0	.9
		5 graduate degree	1.1	1.1	.8	.9
		Total	1.2	1.1	.9	.9
Std. Error		1 HS	.12215	.12657	.09737	.09895
		2 finished HS	.12159	.10423	.07738	.08318
		3 some college	.05318	.04541	.03863	.03655
		4 college graduate	.08416	.09045	.07084	.06860
		5 graduate degree	.08060	.07909	.05804	.06478
		Total	.03604	.03332	.02680	.02648
95% Confidence Interval for Mean	Lower Bound	1 HS	2.9810	3.1626	3.7690	4.1648
		2 finished HS	3.0665	3.5157	3.9628	4.1730
		3 some college	2.9665	3.7127	3.8759	4.5021
		4 college graduate	2.8622	3.3990	3.9377	4.2755
		5 graduate degree	2.9761	3.5723	4.1977	4.3587
		Total	3.0425	3.6473	3.9976	4.4375
	Upper Bound	1 HS	3.4663	3.6654	4.1558	4.5578
		2 finished HS	3.5479	3.9283	4.2692	4.5022

Descriptives

			conscientiousness
N		1 HS	93
		2 finished HS	125
		3 some college	544
		4 college graduate	184
		5 graduate degree	185
		Total	1131
Mean		1 HS	3.8
		2 finished HS	3.9
		3 some college	4.0
		4 college graduate	3.8
		5 graduate degree	3.8
		Total	3.9
Std. Deviation		1 HS	.9
		2 finished HS	1.0
		3 some college	.9
		4 college graduate	.9
		5 graduate degree	1.0
		Total	1.0
Std. Error		1 HS	.09481
		2 finished HS	.09266
		3 some college	.03953
		4 college graduate	.06970
		5 graduate degree	.07341
		Total	.02838
95% Confidence Interval for Mean	Lower Bound	1 HS	3.6181
		2 finished HS	3.6902
		3 some college	3.9396
		4 college graduate	3.7016
		5 graduate degree	3.6552
		Total	3.8639
	Upper Bound	1 HS	3.9948
		2 finished HS	4.0570

Descriptives

		neuroticism	extraversion	openness	agreeableness
	3 some college	3.1754	3.8911	4.0276	4.6457
	4 college graduate	3.1943	3.7559	4.2172	4.5462
	5 graduate degree	3.2942	3.8844	4.4267	4.6143
	Total	3.1839	3.7780	4.1028	4.5414
Minimum	1 HS	1.00	.50	1.50	1.20
	2 finished HS	1.00	.75	1.25	1.60
	3 some college	1.00	.75	1.50	1.40
	4 college graduate	1.00	.75	1.25	1.60
	5 graduate degree	1.00	1.00	1.50	1.60
	Total	1.00	.50	1.25	1.20
Maximum	1 HS	6.00	5.50	5.50	5.80
	2 finished HS	6.00	5.50	5.50	5.80
	3 some college	6.00	5.50	5.50	5.80
	4 college graduate	6.00	5.50	5.50	5.80
	5 graduate degree	6.00	5.50	5.50	5.80
	Total	6.00	5.50	5.50	5.80

Descriptives

		conscientiousness
	3 some college	4.0949
	4 college graduate	3.9766
	5 graduate degree	3.9448
	Total	3.9752
Minimum	1 HS	1.20
	2 finished HS	1.20
	3 some college	.60
	4 college graduate	1.60
	5 graduate degree	.80
	Total	.60
Maximum	1 HS	5.60
	2 finished HS	5.60
	3 some college	5.60
	4 college graduate	5.60
	5 graduate degree	5.60
	Total	5.60

ANOVA

Sig.

			neuroticism	extraversion	openness	agreeableness
Between Groups	(Combined)		.231	.012	.000	.018
	Linear Term	Unweighted	.178	.121	.008	.192
		Weighted	.243	.393	.001	.407
		Deviation	.237	.007	.004	.011
	Quadratic Term	Unweighted	.498	.058	.084	.439
		Weighted	.186	.022	.004	.048
		Deviation	.287	.033	.082	.026

ANOVA

Sig.

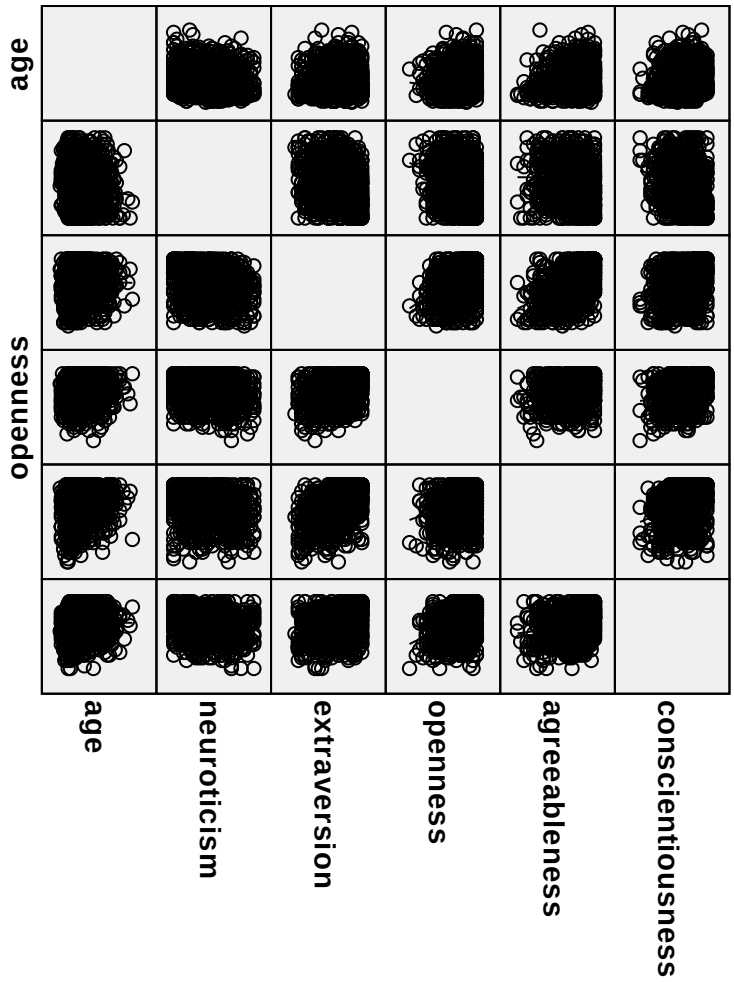
			conscientiousness
Between Groups	(Combined)		.021
	Linear Term	Unweighted	.859
		Weighted	.360
		Deviation	.013
	Quadratic Term	Unweighted	.055
		Weighted	.006
		Deviation	.218

Graph

Notes

Output Created		04-SEP-2013 14:02:04
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Syntax		GRAPH /SCATTERPLOT (MATRIX)=age …
Resources	Processor Time	00:00:00.47
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav



Correlations

Notes

Output Created		04-SEP-2013 14:23:32
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS age neuroticism extraversion openness agreeableness …
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Correlations

		age	neuroticism	extraversion	openness	agreeableness
age	Pearson Correlation	1	-.106	.060	.103	.162
	Sig. (2-tailed)		.000	.036	.000	.000
	N	1236	1236	1236	1236	1236
neuroticism	Pearson Correlation	-.106	1	-.263	-.177	-.200
	Sig. (2-tailed)	.000		.000	.000	.000
	N	1236	1236	1236	1236	1236
extraversion	Pearson Correlation	.060	-.263	1	.249	.427
	Sig. (2-tailed)	.036	.000		.000	.000
	N	1236	1236	1236	1236	1236
openness	Pearson Correlation	.103	-.177	.249	1	.163
	Sig. (2-tailed)	.000	.000	.000		.000
	N	1236	1236	1236	1236	1236
agreeableness	Pearson Correlation	.162	-.200	.427	.163	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	1236	1236	1236	1236	1236
conscientiousness	Pearson Correlation	.114	-.244	.249	.280	.275
	Sig. (2-tailed)	.000	.000	.000	.000	.000
	N	1236	1236	1236	1236	1236

Correlations

		conscientiousness
age	Pearson Correlation	.114
	Sig. (2-tailed)	.000
	N	1236
neuroticism	Pearson Correlation	-.244
	Sig. (2-tailed)	.000
	N	1236
extraversion	Pearson Correlation	.249
	Sig. (2-tailed)	.000
	N	1236
openness	Pearson Correlation	.280
	Sig. (2-tailed)	.000
	N	1236
agreeableness	Pearson Correlation	.275
	Sig. (2-tailed)	.000
	N	1236
conscientiousness	Pearson Correlation	1
	Sig. (2-tailed)	
	N	1236

Correlations

Notes

Output Created		04-SEP-2013 14:23:37
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Syntax		CORRELATIONS age by neuroticism extraversion openness agreeableness …
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor an
alysis/exercises/data/bfi-unique-3-exploratory.sav
```

Warnings

Text: by Command: CORRELATIONS Unrecognized text was found where a variable list was expected.….

Correlations

Notes

Output Created		04-SEP-2013 14:24:01
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS age with neuroticism extraversion openness agreeableness conscientiousness.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Correlations

		neuroticism	extraversion	openness	agreeableness	conscientiousness
age	Pearson Correlation	-.106	.060	.103	.162	.114
	Sig. (2-tailed)	.000	.036	.000	.000	.000
	N	1236	1236	1236	1236	1236

Correlations

Notes

Output Created		04-SEP-2013 14:24:10
Comments		
Input	Data	/Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data …	1236
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS neuroticism extraversion openness agreeableness conscientiousness with …
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet4] /Users/jeromy/teaching/org-research-methods/2013/content/05 Cluster and factor analysis/exercises/data/bfi-unique-3-exploratory.sav

Correlations

	age		
	Pearson Correlation	Sig. (2-tailed)	N
neuroticism	-.106	.000	1236
extraversion	.060	.036	1236
openness	.103	.000	1236
agreeableness	.162	.000	1236
conscientiousness	.114	.000	1236