

APPENDIX 3

VALIDITY AND RELIABILITY TEST

Correlations

Notes	
Output Created	16-APR-2018 08:07:43
Comments	
Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
Active Dataset	DataSet1
Filter	<none>
Weight	<none>
Split File	<none>
N of Rows in Working Data	135
File	
Definition of Missing	User-defined missing values are treated as missing.
Missing Value Handling	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Cases Used	
Syntax	CORRELATIONS /VARIABLES=X1.1 X1.2 X1.3 X1.4 X1.5 X1.6 X1.7 X1.8 TOTALX1 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Processor Time	00:00:00,03
Resources	
Elapsed Time	00:00:00,16

Correlations

		X1.1	X1.2	X1.3	X1.4	X1.5	X1.6
X1.1	Pearson Correlation	1	,248**	,221**	,265**	,367**	,194*
	Sig. (2-tailed)		,004	,010	,002	,000	,024
	N	135	135	135	135	135	135
X1.2	Pearson Correlation	,248**	1	,319**	,346**	,455**	,306**
	Sig. (2-tailed)	,004		,000	,000	,000	,000
	N	135	135	135	135	135	135
X1.3	Pearson Correlation	,221**	,319**	1	,308**	,416**	,321**
	Sig. (2-tailed)	,010	,000		,000	,000	,000

	N	135	135	135	135	135	135
	Pearson Correlation	,265**	,346**	,308**	1	,424**	,293**
X1.4	Sig. (2-tailed)	,002	,000	,000		,000	,001
	N	135	135	135	135	135	135
	Pearson Correlation	,367**	,455**	,416**	,424**	1	,400**
X1.5	Sig. (2-tailed)	,000	,000	,000	,000		,000
	N	135	135	135	135	135	135
	Pearson Correlation	,194*	,306**	,321**	,293**	,400**	1
X1.6	Sig. (2-tailed)	,024	,000	,000	,001	,000	
	N	135	135	135	135	135	135
	Pearson Correlation	,288**	,438**	,310**	,330**	,487**	,361**
X1.7	Sig. (2-tailed)	,001	,000	,000	,000	,000	,000
	N	135	135	135	135	135	135
	Pearson Correlation	,335**	,422**	,336**	,388**	,454**	,352**
X1.8	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000
	N	135	135	135	135	135	135
	Pearson Correlation	,569**	,678**	,613**	,638**	,758**	,598**
TOTALX1	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000
	N	135	135	135	135	135	135

Correlations

		X1.7	X1.8	TOTALX1
	Pearson Correlation	,288	,335**	,569**
X1.1	Sig. (2-tailed)	,001	,000	,000
	N	135	135	135
	Pearson Correlation	,438**	,422	,678**
X1.2	Sig. (2-tailed)	,000	,000	,000
	N	135	135	135
	Pearson Correlation	,310**	,336**	,613
X1.3	Sig. (2-tailed)	,000	,000	,000
	N	135	135	135
	Pearson Correlation	,330**	,388**	,638**
X1.4	Sig. (2-tailed)	,000	,000	,000
	N	135	135	135
	Pearson Correlation	,487**	,454**	,758**
X1.5	Sig. (2-tailed)	,000	,000	,000
	N	135	135	135
	Pearson Correlation	,361*	,352**	,598**
X1.6	Sig. (2-tailed)	,000	,000	,000
	N	135	135	135
	Pearson Correlation	1**	,510**	,698**
X1.7	Sig. (2-tailed)		,000	,000
	N	135	135	135

X1.8	Pearson Correlation	,510**	1**	,716**
	Sig. (2-tailed)	,000		,000
	N	135	135	135
TOTALX1	Pearson Correlation	,698**	,716**	1**
	Sig. (2-tailed)	,000	,000	
	N	135	135	135

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Reliability

Notes

Output Created	16-APR-2018 08:07:55	
Comments		
Input	Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	135
	File	
Missing Value Handling	Matrix Input	
	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=X1.1 X1.2 X1.3 X1.4 X1.5 X1.6 X1.7 X1.8	
	/SCALE('ALL VARIABLES') ALL	
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,03

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	135	100,0
	Excluded ^a	0	,0
	Total	135	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,811	8

Correlations

Notes

Output Created		16-APR-2018 08:08:07
Comments		
Input	Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	
Missing Value Handling	File	
	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=X2.1 X2.2 X2.3
		TOTALX2
		/PRINT=TWOTAIL NOSIG
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,17

Correlations

		X2.1	X2.2	X2.3	TOTALX2
X2.1	Pearson Correlation	1	,470**	,460**	,781**
	Sig. (2-tailed)		,000	,000	,000
	N	135	135	135	135
X2.2	Pearson Correlation	,470**	1	,620**	,845**
	Sig. (2-tailed)	,000		,000	,000
	N	135	135	135	135
X2.3	Pearson Correlation	,460**	,620**	1	,844**
	Sig. (2-tailed)	,000	,000		,000
	N	135	135	135	135
TOTALX2	Pearson Correlation	,781**	,845**	,844**	1
	Sig. (2-tailed)	,000	,000	,000	
	N	135	135	135	135

** . Correlation is significant at the 0.01 level (2-tailed).

Reliability

Notes

Output Created		16-APR-2018 08:08:17
Comments		
Input	Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	135
	File	
	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=X2.1 X2.2 X2.3 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.

Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,04

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	135	100,0
	Excluded ^a	0	,0
	Total	135	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,763	3

Correlations

Notes

Output Created	16-APR-2018 08:10:00
Comments	
Input	Data Active Dataset Filter Weight Split File N of Rows in Working Data File Definition of Missing Missing Value Handling Cases Used
	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav DataSet1 <none> <none> <none> 135 User-defined missing values are treated as missing. Statistics for each pair of variables are based on all the cases with valid data for that pair.

Syntax		CORRELATIONS /VARIABLES=Z1.1 Z1.2 Z1.3 Z1.4 Z1.5 Z1.6 TOTALZ /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,05

Correlations

		Z1.1	Z1.2	Z1.3	Z1.4	Z1.5	Z1.6
Z1.1	Pearson Correlation	1	,382**	,313**	,356**	,182*	,252**
	Sig. (2-tailed)		,000	,000	,000	,035	,003
	N	135	135	135	135	135	135
Z1.2	Pearson Correlation	,382**	1	,497**	,625**	,296**	,409**
	Sig. (2-tailed)	,000		,000	,000	,000	,000
	N	135	135	135	135	135	135
Z1.3	Pearson Correlation	,313**	,497**	1	,531**	,244**	,437**
	Sig. (2-tailed)	,000	,000		,000	,004	,000
	N	135	135	135	135	135	135
Z1.4	Pearson Correlation	,356**	,625**	,531**	1	,384**	,520**
	Sig. (2-tailed)	,000	,000	,000		,000	,000
	N	135	135	135	135	135	135
Z1.5	Pearson Correlation	,182*	,296**	,244**	,384**	1	,389**
	Sig. (2-tailed)	,035	,000	,004	,000		,000
	N	135	135	135	135	135	135
Z1.6	Pearson Correlation	,252**	,409**	,437**	,520**	,389**	1
	Sig. (2-tailed)	,003	,000	,000	,000	,000	
	N	135	135	135	135	135	135
TOTALZ	Pearson Correlation	,598**	,770**	,724**	,813**	,576**	,716**
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000
	N	135	135	135	135	135	135

Correlations

		TOTALZ
Z1.1	Pearson Correlation	,598
	Sig. (2-tailed)	,000
	N	135
Z1.2	Pearson Correlation	,770**
	Sig. (2-tailed)	,000
	N	135
Z1.3	Pearson Correlation	,724**
	Sig. (2-tailed)	,000

	N	135
	Pearson Correlation	,813**
Z1.4	Sig. (2-tailed)	,000
	N	135
	Pearson Correlation	,576*
Z1.5	Sig. (2-tailed)	,000
	N	135
	Pearson Correlation	,716**
Z1.6	Sig. (2-tailed)	,000
	N	135
	Pearson Correlation	1**
TOTALZ	Sig. (2-tailed)	
	N	135

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Reliability

Notes

Output Created	16-APR-2018 08:10:13
Comments	
	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	DataSet1
	<none>
Input	<none>
	<none>
	N of Rows in Working Data 135
	File
	Matrix Input
	Definition of Missing
Missing Value Handling	User-defined missing values are treated as missing.
	Statistics are based on all cases with valid data for all variables in the procedure.
	Cases Used
	RELIABILITY
	/VARIABLES=Z1.1 Z1.2 Z1.3 Z1.4
Syntax	Z1.5 Z1.6
	/SCALE("ALL VARIABLES") ALL
	/MODEL=ALPHA.
Resources	Processor Time 00:00:00,00

Elapsed Time	00:00:00,10
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Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	135	100,0
	Excluded ^a	0	, 0
	Total	135	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,793	6

Correlations

Notes

Output Created	16-APR-2018 08:10:26	
Comments		
Input	Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	135
File		
Definition of Missing	User-defined missing values are treated as missing.	
Missing Value Handling	Statistics for each pair of variables are based on all the cases with valid data for that pair.	
Cases Used		

Syntax		CORRELATIONS /VARIABLES=Y1 Y2 Y3 Y4 Y5 Y6 TOTALY /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,11

Correlations

		Y1	Y2	Y3	Y4	Y5	Y6
Y1	Pearson Correlation	1	,518**	,362**	,458**	,446**	,261**
	Sig. (2-tailed)		,000	,000	,000	,000	,002
	N	135	135	135	135	135	135
Y2	Pearson Correlation	,518**	1	,491**	,631**	,511**	,427**
	Sig. (2-tailed)	,000		,000	,000	,000	,000
	N	135	135	135	135	135	135
Y3	Pearson Correlation	,362**	,491**	1	,482**	,399**	,325**
	Sig. (2-tailed)	,000	,000		,000	,000	,000
	N	135	135	135	135	135	135
Y4	Pearson Correlation	,458**	,631**	,482**	1	,522**	,359**
	Sig. (2-tailed)	,000	,000	,000		,000	,000
	N	135	135	135	135	135	135
Y5	Pearson Correlation	,446**	,511**	,399**	,522**	1	,514**
	Sig. (2-tailed)	,000	,000	,000	,000		,000
	N	135	135	135	135	135	135
Y6	Pearson Correlation	,261**	,427**	,325**	,359**	,514**	1
	Sig. (2-tailed)	,002	,000	,000	,000	,000	
	N	135	135	135	135	135	135
TOTALY	Pearson Correlation	,685**	,808**	,696**	,777**	,772**	,666**
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000
	N	135	135	135	135	135	135

Correlations

		TOTALY
Y1	Pearson Correlation	,685
	Sig. (2-tailed)	,000
	N	135
Y2	Pearson Correlation	,808**
	Sig. (2-tailed)	,000
	N	135
Y3	Pearson Correlation	,696**
	Sig. (2-tailed)	,000

	N	135
Y4	Pearson Correlation	,777**
	Sig. (2-tailed)	,000
Y5	N	135
	Pearson Correlation	,772**
Y6	Sig. (2-tailed)	,000
	N	135
TOTALY	Pearson Correlation	,666**
	Sig. (2-tailed)	,000
	N	135
	Pearson Correlation	1**
	Sig. (2-tailed)	
	N	135

** . Correlation is significant at the 0.01 level (2-tailed).

Reliability

Notes

Output Created		16-APR-2018 08:10:41
Comments		
Input	Data	C:\Users\SAMSUNG\AppData\Local\Temp\data-6.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data	135
	File	
Missing Value Handling	Matrix Input	
	Definition of Missing	User-defined missing values are treated as missing.
Syntax	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
		RELIABILITY /VARIABLES=Y1 Y2 Y3 Y4 Y5 Y6 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,17

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	135	100,0
	Excluded ^a	0	, 0
	Total	135	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,827	6