

```
COMPUTE MTEBIdiff=MTEBipost - MTEBipre.
EXECUTE.
```

```
SAVE OUTFILE='/Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav'
/COMPRESSED.
CORRELATIONS
/VARIABLES=misconceptions KATEtest
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		22-OCT-2014 15:28:10
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions KATEtest /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Correlations

		misconcep tions	KATEtest
misconceptions	Pearson Correlation	1	-.137
	Sig. (2-tailed)		.486
	N	28	28
KATEtest	Pearson Correlation	-.137	1
	Sig. (2-tailed)	.486	
	N	28	28

```
CORRELATIONS
/VARIABLES=misconceptions KATEtest
/PRINT=TWOTAIL NOSIG
```

```

/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Notes		
Output Created		22-OCT-2014 15:28:52
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions KATEtest /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
KATEtest	17.3929	5.69821	28

Correlations

		misconcep tions	KATEtest
misconceptions	Pearson Correlation	1	-.137
	Sig. (2-tailed)		.486
	N	28	28
KATEtest	Pearson Correlation	-.137	1
	Sig. (2-tailed)	.486	
	N	28	28

```

COMPUTE MISCONCEPKATE=K10+K102+K11+K12+K13+K14+K15+K16.
EXECUTE.
COMPUTE MISCONCEPKATEHELP=K11+K13+K15+K16.

```

```
EXECUTE.
CORRELATIONS
/VARIABLES=misconceptions MISCONCEPKATE
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		22-OCT-2014 15:45:27
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions MISCONCEPKATE /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
MISCONCEPKATE	10.7500	5.35153	28

Correlations

		misconcep tions	MISCONCEPK ATE
misconceptions	Pearson Correlation	1	-.104
	Sig. (2-tailed)		.599
	N	28	28
MISCONCEPKATE	Pearson Correlation	-.104	1
	Sig. (2-tailed)	.599	
	N	28	28

```

CORRELATIONS
/VARIABLES=misconceptions MISCONCEPKATEHELP
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES

```

Correlations

Notes		
Output Created		22-OCT-2014 15:45:41
Comments		
Input	Data	/Users/aoner/Desktop/Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions MISCONCEPKATEHELP /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
MISCONCEPKATEHELP	7.7143	4.61766	28

Correlations

		misconceptio ns	MISCONCEPK ATEHELP
misconceptions	Pearson Correlation	1	-.134
	Sig. (2-tailed)		.496
	N	28	28
MISCONCEPKATEHELP	Pearson Correlation	-.134	1
	Sig. (2-tailed)	.496	
	N	28	28

```

CORRELATIONS
/VARIABLES=misconceptions MTEBIpre
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Notes		
Output Created		22-OCT-2014 15:47:04
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions MTEBIpre /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
MTEBIpre	79.5357	6.42612	28

Correlations

		misconcep tions	MTEBIpre
misconceptions	Pearson Correlation	1	-.209
	Sig. (2-tailed)		.286
	N	28	28
MTEBIpre	Pearson Correlation	-.209	1
	Sig. (2-tailed)	.286	
	N	28	28

```

CORRELATIONS
/VARIABLES=misconceptions MTEBipost
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Notes		
Output Created		22-OCT-2014 15:47:16
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions MTEBipost /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
MTEBipost	80.6786	6.58873	28

Correlations

		misconcep tions	MTEBipost
misconceptions	Pearson Correlation	1	.017
	Sig. (2-tailed)		.930
	N	28	28
MTEBipost	Pearson Correlation	.017	1
	Sig. (2-tailed)	.930	
	N	28	28

```

CORRELATIONS
/VARIABLES=misconceptions MTEBldiff
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Notes		
Output Created		22-OCT-2014 15:47:29
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions MTEBldiff /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
MTEBldiff	1.1429	8.17274	28

Correlations

		misconcep tions	MTEBldiff
misconceptions	Pearson Correlation	1	.178
	Sig. (2-tailed)		.364
	N	28	28
MTEBldiff	Pearson Correlation	.178	1
	Sig. (2-tailed)	.364	
	N	28	28

```

COMPUTE KATEALGEBRAKNOWLEDGE=K1+K2+K3+K4+K5+K6+K7+K8+K9+K10+K102.
EXECUTE.
CORRELATIONS
/VARIABLES=misconceptions KATEALGEBRAKNOWLEDGE
/PRINT=TWOTAIL NOSIG
/STATISTICS DESCRIPTIVES
/MISSING=PAIRWISE.

```

Correlations

Notes

Output Created		22-OCT-2014 16:05:12
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=misconcep tions KATEALGEBRAKNOWLED GE /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Descriptive Statistics

	Mean	Std. Deviation	N
misconceptions	29.1071	10.93530	28
KATEALGEBRAKNOWLED GE	8.8214	1.58823	28

Correlations

		misconceptions	KATEALGEBRAKNOWLEDGE
misconceptions	Pearson Correlation	1	-.146
	Sig. (2-tailed)		.458
	N	28	28
KATEALGEBRAKNOWLEDGE	Pearson Correlation	-.146	1
	Sig. (2-tailed)	.458	
	N	28	28

```
COMPUTE EQITYandKATE=misconceptions + MISCONCEPKATEHELP.
EXECUTE.
```

```
CORRELATIONS
```

```
  /VARIABLES=EQITYandKATE KATEALGEBRAKNOWLEDGE
```

```
  /PRINT=TWOTAIL NOSIG
```

```
  /STATISTICS DESCRIPTIVES
```

```
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		22-OCT-2014 16:06:32
Comments		
Input	Data	/Users/aoner/Desktop/Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=EQITYandKATE KATEALGEBRAKNOWLEDGE /PRINT=TWOTAIL NOSIG /STATISTICS DESCRIPTIVES /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

```
[DataSet0] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav
```

Descriptive Statistics

	Mean	Std. Deviation	N
EQITYandKATE	36.8214	11.28438	28
KATEALGEBRAKNOWLEDGE	8.8214	1.58823	28

Correlations

		EQITYandKATE	KATEALGEBRAKNOWLEDGE
EQITYandKATE	Pearson Correlation	1	.075
	Sig. (2-tailed)		.706
	N	28	28
KATEALGEBRAKNOWLEDGE	Pearson Correlation	.075	1
	Sig. (2-tailed)	.706	
	N	28	28

```

COMPUTE katemisconceptiontoaddequity=K11+K13+K15.
EXECUTE.
DATASET ACTIVATE DataSet0.

```

```

SAVE OUTFILE=' /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav'
/COMPRESSED.

```

CORRELATIONS

```

/VARIABLES=dinner food katemis1 katemis2 katemis3 K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K102
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

Correlations

Notes

Output Created		23-OCT-2014 22:18:43
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=dinner food katemis1 katemis2 katemis3 K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K102 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

[DataSet1] /Users/aoner/Desktop/Fall2013equitychallenge/misKATEMTEBI.sav

Correlations

		dinner	food	katemis1	katemis2	katemis3	K1	K2	K3
dinner	Pearson Correlation	1	.230	.373	-.525**	-.545**	-.083	-.275	-.333
	Sig. (2-tailed)		.239	.051	.004	.003	.673	.157	.083
	N	28	28	28	28	28	28	28	28
food	Pearson Correlation	.230	1	.113	-.253	-.208	-.174	.063	.100
	Sig. (2-tailed)	.239		.568	.194	.289	.374	.750	.614
	N	28	28	28	28	28	28	28	28
katemis1	Pearson Correlation	.373	.113	1	.054	-.083	.032	.380*	.059
	Sig. (2-tailed)	.051	.568		.784	.676	.870	.046	.766
	N	28	28	28	28	28	28	28	28
katemis2	Pearson Correlation	-.525**	-.253	.054	1	.478*	-.084	.309	.249
	Sig. (2-tailed)	.004	.194	.784		.010	.671	.110	.201
	N	28	28	28	28	28	28	28	28
katemis3	Pearson Correlation	-.545**	-.208	-.083	.478*	1	-.230	.087	.070
	Sig. (2-tailed)	.003	.289	.676	.010		.239	.660	.723
	N	28	28	28	28	28	28	28	28
K1	Pearson Correlation	-.083	-.174	.032	-.084	-.230	1	.204	.068
	Sig. (2-tailed)	.673	.374	.870	.671	.239		.298	.729
	N	28	28	28	28	28	28	28	28
K2	Pearson Correlation	-.275	.063	.380*	.309	.087	.204	1	.662**
	Sig. (2-tailed)	.157	.750	.046	.110	.660	.298		.000
	N	28	28	28	28	28	28	28	28
K3	Pearson Correlation	-.333	.100	.059	.249	.070	.068	.662**	1
	Sig. (2-tailed)	.083	.614	.766	.201	.723	.729	.000	
	N	28	28	28	28	28	28	28	28
K4	Pearson Correlation	-.304	-.008	-.335	-.030	.024	.189	-.096	.043
	Sig. (2-tailed)	.116	.969	.082	.881	.903	.337	.627	.828
	N	28	28	28	28	28	28	28	28
K5	Pearson Correlation	-.277	-.311	.113	.350	-.022	.439*	.298	.240
	Sig. (2-tailed)	.153	.107	.566	.068	.910	.020	.124	.218
	N	28	28	28	28	28	28	28	28
K6	Pearson Correlation	.b	.b	.b	.b	.b	.b	.b	.b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K7	Pearson Correlation	.b	.b	.b	.b	.b	.b	.b	.b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K8	Pearson Correlation	.b	.b	.b	.b	.b	.b	.b	.b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K9	Pearson Correlation	-.198	-.110	-.283	.350	.135	.132	.020	-.040
	Sig. (2-tailed)	.312	.577	.144	.068	.495	.505	.920	.840
	N	28	28	28	28	28	28	28	28
K10	Pearson Correlation	-.188	.004	-.156	.228	.377*	.073	.126	-.022
	Sig. (2-tailed)	.339	.984	.428	.242	.048	.714	.523	.911
	N	28	28	28	28	28	28	28	28
K102	Pearson Correlation	.256	.017	.079	-.294	-.233	-.122	-.179	-.222
	Sig. (2-tailed)	.188	.933	.691	.129	.232	.537	.362	.256
	N	28	28	28	28	28	28	28	28

Correlations

		K4	K5	K6	K7	K8	K9	K10	K102
dinner	Pearson Correlation	-.304	-.277	. ^b	. ^b	. ^b	-.198	-.188	.256
	Sig. (2-tailed)	.116	.153	.	.	.	.312	.339	.188
	N	28	28	28	28	28	28	28	28
food	Pearson Correlation	-.008	-.311	. ^b	. ^b	. ^b	-.110	.004	.017
	Sig. (2-tailed)	.969	.107	.	.	.	.577	.984	.933
	N	28	28	28	28	28	28	28	28
katemis1	Pearson Correlation	-.335	.113	. ^b	. ^b	. ^b	-.283	-.156	.079
	Sig. (2-tailed)	.082	.566	.	.	.	.144	.428	.691
	N	28	28	28	28	28	28	28	28
katemis2	Pearson Correlation	-.030	.350	. ^b	. ^b	. ^b	.350	.228	-.294
	Sig. (2-tailed)	.881	.068	.	.	.	.068	.242	.129
	N	28	28	28	28	28	28	28	28
katemis3	Pearson Correlation	.024	-.022	. ^b	. ^b	. ^b	.135	.377 [*]	-.233
	Sig. (2-tailed)	.903	.910	.	.	.	.495	.048	.232
	N	28	28	28	28	28	28	28	28
K1	Pearson Correlation	.189	.439 [*]	. ^b	. ^b	. ^b	.132	.073	-.122
	Sig. (2-tailed)	.337	.020	.	.	.	.505	.714	.537
	N	28	28	28	28	28	28	28	28
K2	Pearson Correlation	-.096	.298	. ^b	. ^b	. ^b	.020	.126	-.179
	Sig. (2-tailed)	.627	.124	.	.	.	.920	.523	.362
	N	28	28	28	28	28	28	28	28
K3	Pearson Correlation	.043	.240	. ^b	. ^b	. ^b	-.040	-.022	-.222
	Sig. (2-tailed)	.828	.218	.	.	.	.840	.911	.256
	N	28	28	28	28	28	28	28	28
K4	Pearson Correlation	1	.083	. ^b	. ^b	. ^b	.372	.285	.258
	Sig. (2-tailed)		.676	.	.	.	.051	.142	.185
	N	28	28	28	28	28	28	28	28
K5	Pearson Correlation	.083	1	. ^b	. ^b	. ^b	-.077	.106	-.053
	Sig. (2-tailed)	.676		.	.	.	.697	.591	.787
	N	28	28	28	28	28	28	28	28
K6	Pearson Correlation	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K7	Pearson Correlation	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K8	Pearson Correlation	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b	. ^b
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K9	Pearson Correlation	.372	-.077	. ^b	. ^b	. ^b	1	.403 [*]	-.053
	Sig. (2-tailed)	.051	.697	.	.	.		.033	.787
	N	28	28	28	28	28	28	28	28
K10	Pearson Correlation	.285	.106	. ^b	. ^b	. ^b	.403 [*]	1	-.132
	Sig. (2-tailed)	.142	.591	.	.	.	.033		.502
	N	28	28	28	28	28	28	28	28
K102	Pearson Correlation	.258	-.053	. ^b	. ^b	. ^b	-.053	-.132	1
	Sig. (2-tailed)	.185	.787	.	.	.	.787	.502	
	N	28	28	28	28	28	28	28	28

- ** . Correlation is significant at the 0.01 level (2-tailed).
- * . Correlation is significant at the 0.05 level (2-tailed).
- b. Cannot be computed because at least one of the variables is constant.

GET

FILE=' /Users/aoner/Desktop/Fall2013equitychallengemiskATEMTEBI.sav' .

DATASET NAME DataSet1 WINDOW=FRONT.

CORRELATIONS

/VARIABLES=dinnerhelp foodhelp katemis1 katemis2 katemis3 K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K102

/PRINT=TWOTAIL NOSIG

/MISSING=PAIRWISE.

Correlations

Notes

Output Created	25-OCT-2014 13:34:33	
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge miskATEMTEBI.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=dinnerhelp foodhelp katemis1 katemis2 katemis3 K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K102 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

[DataSet1] /Users/aoner/Desktop/Fall2013equitychallengemiskATEMTEBI.sav

Correlations

		dinnerhelp	foodhelp	katemis1	katemis2	katemis3	K1	K2
dinnerhelp	Pearson Correlation	1	.093	.395*	-.508**	-.456*	-.136	-.222
	Sig. (2-tailed)		.638	.037	.006	.015	.490	.257
	N	28	28	28	28	28	28	28
foodhelp	Pearson Correlation	.093	1	.010	-.231	-.038	-.211	.008
	Sig. (2-tailed)	.638		.959	.237	.849	.282	.967
	N	28	28	28	28	28	28	28
katemis1	Pearson Correlation	.395*	.010	1	.054	-.083	.032	.380*
	Sig. (2-tailed)	.037	.959		.784	.676	.870	.046
	N	28	28	28	28	28	28	28
katemis2	Pearson Correlation	-.508**	-.231	.054	1	.478*	-.084	.309
	Sig. (2-tailed)	.006	.237	.784		.010	.671	.110
	N	28	28	28	28	28	28	28
katemis3	Pearson Correlation	-.456*	-.038	-.083	.478*	1	-.230	.087
	Sig. (2-tailed)	.015	.849	.676	.010		.239	.660
	N	28	28	28	28	28	28	28
K1	Pearson Correlation	-.136	-.211	.032	-.084	-.230	1	.204
	Sig. (2-tailed)	.490	.282	.870	.671	.239		.298
	N	28	28	28	28	28	28	28
K2	Pearson Correlation	-.222	.008	.380*	.309	.087	.204	1
	Sig. (2-tailed)	.257	.967	.046	.110	.660	.298	
	N	28	28	28	28	28	28	28
K3	Pearson Correlation	-.335	.047	.059	.249	.070	.068	.662**
	Sig. (2-tailed)	.081	.812	.766	.201	.723	.729	.000
	N	28	28	28	28	28	28	28
K4	Pearson Correlation	-.325	.021	-.335	-.030	.024	.189	-.096
	Sig. (2-tailed)	.092	.917	.082	.881	.903	.337	.627
	N	28	28	28	28	28	28	28
K5	Pearson Correlation	-.227	-.275	.113	.350	-.022	.439*	.298
	Sig. (2-tailed)	.246	.156	.566	.068	.910	.020	.124
	N	28	28	28	28	28	28	28
K6	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28
K7	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28
K8	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28
K9	Pearson Correlation	-.171	-.080	-.283	.350	.135	.132	.020
	Sig. (2-tailed)	.384	.685	.144	.068	.495	.505	.920
	N	28	28	28	28	28	28	28
K10	Pearson Correlation	-.171	.070	-.156	.228	.377*	.073	.126
	Sig. (2-tailed)	.384	.723	.428	.242	.048	.714	.523
	N	28	28	28	28	28	28	28
K102	Pearson Correlation	.248	-.056	.079	-.294	-.233	-.122	-.179
	Sig. (2-tailed)	.203	.779	.691	.129	.232	.537	.362
	N	28	28	28	28	28	28	28

Correlations

		K3	K4	K5	K6	K7	K8	K9	K10
dinnerhelp	Pearson Correlation	-.335	-.325	-.227	. ^c	. ^c	. ^c	-.171	-.171
	Sig. (2-tailed)	.081	.092	.246	.	.	.	.384	.384
	N	28	28	28	28	28	28	28	28
foodhelp	Pearson Correlation	.047	.021	-.275	. ^c	. ^c	. ^c	-.080	.070
	Sig. (2-tailed)	.812	.917	.156	.	.	.	.685	.723
	N	28	28	28	28	28	28	28	28
katemis1	Pearson Correlation	.059	-.335	.113	. ^c	. ^c	. ^c	-.283	-.156
	Sig. (2-tailed)	.766	.082	.566	.	.	.	.144	.428
	N	28	28	28	28	28	28	28	28
katemis2	Pearson Correlation	.249	-.030	.350	. ^c	. ^c	. ^c	.350	.228
	Sig. (2-tailed)	.201	.881	.068	.	.	.	.068	.242
	N	28	28	28	28	28	28	28	28
katemis3	Pearson Correlation	.070	.024	-.022	. ^c	. ^c	. ^c	.135	.377 [*]
	Sig. (2-tailed)	.723	.903	.910	.	.	.	.495	.048
	N	28	28	28	28	28	28	28	28
K1	Pearson Correlation	.068	.189	.439 [*]	. ^c	. ^c	. ^c	.132	.073
	Sig. (2-tailed)	.729	.337	.020	.	.	.	.505	.714
	N	28	28	28	28	28	28	28	28
K2	Pearson Correlation	.662 ^{**}	-.096	.298	. ^c	. ^c	. ^c	.020	.126
	Sig. (2-tailed)	.000	.627	.124	.	.	.	.920	.523
	N	28	28	28	28	28	28	28	28
K3	Pearson Correlation	1	.043	.240	. ^c	. ^c	. ^c	-.040	-.022
	Sig. (2-tailed)		.828	.218	.	.	.	.840	.911
	N	28	28	28	28	28	28	28	28
K4	Pearson Correlation	.043	1	.083	. ^c	. ^c	. ^c	.372	.285
	Sig. (2-tailed)	.828		.676	.	.	.	.051	.142
	N	28	28	28	28	28	28	28	28
K5	Pearson Correlation	.240	.083	1	. ^c	. ^c	. ^c	-.077	.106
	Sig. (2-tailed)	.218	.676		.	.	.	.697	.591
	N	28	28	28	28	28	28	28	28
K6	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K7	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K8	Pearson Correlation	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c	. ^c
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
	N	28	28	28	28	28	28	28	28
K9	Pearson Correlation	-.040	.372	-.077	. ^c	. ^c	. ^c	1	.403 [*]
	Sig. (2-tailed)	.840	.051	.697	.	.	.		.033
	N	28	28	28	28	28	28	28	28
K10	Pearson Correlation	-.022	.285	.106	. ^c	. ^c	. ^c	.403 [*]	1
	Sig. (2-tailed)	.911	.142	.591	.	.	.	.033	
	N	28	28	28	28	28	28	28	28
K102	Pearson Correlation	-.222	.258	-.053	. ^c	. ^c	. ^c	-.053	-.132
	Sig. (2-tailed)	.256	.185	.787	.	.	.	.787	.502
	N	28	28	28	28	28	28	28	28

Correlations

		K102
dinnerhelp	Pearson Correlation	.248
	Sig. (2-tailed)	.203
	N	28
foodhelp	Pearson Correlation	-.056
	Sig. (2-tailed)	.779
	N	28
katemis1	Pearson Correlation	.079
	Sig. (2-tailed)	.691
	N	28
katemis2	Pearson Correlation	-.294
	Sig. (2-tailed)	.129
	N	28
katemis3	Pearson Correlation	-.233
	Sig. (2-tailed)	.232
	N	28
K1	Pearson Correlation	-.122
	Sig. (2-tailed)	.537
	N	28
K2	Pearson Correlation	-.179
	Sig. (2-tailed)	.362
	N	28
K3	Pearson Correlation	-.222
	Sig. (2-tailed)	.256
	N	28
K4	Pearson Correlation	.258
	Sig. (2-tailed)	.185
	N	28
K5	Pearson Correlation	-.053
	Sig. (2-tailed)	.787
	N	28
K6	Pearson Correlation	. ^c
	Sig. (2-tailed)	.
	N	28
K7	Pearson Correlation	. ^c
	Sig. (2-tailed)	.
	N	28
K8	Pearson Correlation	. ^c
	Sig. (2-tailed)	.
	N	28
K9	Pearson Correlation	-.053
	Sig. (2-tailed)	.787
	N	28
K10	Pearson Correlation	-.132
	Sig. (2-tailed)	.502
	N	28
K102	Pearson Correlation	1
	Sig. (2-tailed)	
	N	28

- *. Correlation is significant at the 0.05 level (2-tailed).
- **. Correlation is significant at the 0.01 level (2-tailed).
- c. Cannot be computed because at least one of the variables is constant.

```

COMPUTE PMTEPRE=MTPRq2+MTPR3+MTPR5+MTPR6+MTPR8+MTPR11+MTPR15+MTPR16+MTPR17+MTPR18+MTPR19+MTPR20.
EXECUTE.
COMPUTE PMTEPOST=MTEBIPREQ1+MTPR4+MTPR7+MTPR9+MTPR10+MTPR12+MTPR13+MTPR14.
EXECUTE.
COMPUTE PMTEPOST=MTP02+MTP03+MTP05+MTP06+MTP08+MTP011+MTP015+MTP016+MTP017+MTP018+MTP019+MTP020.
EXECUTE.
COMPUTE MTOEPOST=MTEBIPostQ1+MTP04+MTP07+MTP09+MTP010+MTP012+MTP013+MTP014.
EXECUTE.
COMPUTE PMTEDIFF=PMTEPOST-PMTEPRE.
EXECUTE.
COMPUTE MTOEDIFF=MTOEPOST-MTOEPRE.
EXECUTE.
CORRELATIONS
/VARIABLES=dinnerhelp foodhelp katemis1 katemis2 katemis3 PMTEPRE MTOEPRE PMTEPOST MTOEPOST
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

Correlations

Notes

Output Created	25-OCT-2014 14:08:47	
Comments		
Input	Data	/Users/aoner/Desktop/Fall2013equitychallenge misKATEMTEBI.sav
	Active Dataset	DataSet1
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	Split File	<none>
	N of Rows in Working Data File	28
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=dinnerhelp foodhelp katemis1 katemis2 katemis3 PMTEPRE MTOEPRE PMTEPOST MTOEPOST PMTEDIFF MTOEDIFF /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

[DataSet1] /Users/aoner/Desktop/Fall2013equitychallenge/misKATEMTEBI.sav

Correlations

		dinnerhelp	foodhelp	katemis1	katemis2	katemis3	PMTEPRE	MTOEPRE
dinnerhelp	Pearson Correlation	1	.093	.395*	-.508**	-.456*	-.492**	.054
	Sig. (2-tailed)		.638	.037	.006	.015	.008	.784
	N	28	28	28	28	28	28	28
foodhelp	Pearson Correlation	.093	1	.010	-.231	-.038	.044	-.021
	Sig. (2-tailed)	.638		.959	.237	.849	.823	.914
	N	28	28	28	28	28	28	28
katemis1	Pearson Correlation	.395*	.010	1	.054	-.083	-.344	-.067
	Sig. (2-tailed)	.037	.959		.784	.676	.073	.735
	N	28	28	28	28	28	28	28
katemis2	Pearson Correlation	-.508**	-.231	.054	1	.478*	.112	-.207
	Sig. (2-tailed)	.006	.237	.784		.010	.571	.292
	N	28	28	28	28	28	28	28
katemis3	Pearson Correlation	-.456*	-.038	-.083	.478*	1	.225	-.087
	Sig. (2-tailed)	.015	.849	.676	.010		.250	.661
	N	28	28	28	28	28	28	28
PMTEPRE	Pearson Correlation	-.492**	.044	-.344	.112	.225	1	.078
	Sig. (2-tailed)	.008	.823	.073	.571	.250		.693
	N	28	28	28	28	28	28	28
MTOEPRE	Pearson Correlation	.054	-.021	-.067	-.207	-.087	.078	1
	Sig. (2-tailed)	.784	.914	.735	.292	.661	.693	
	N	28	28	28	28	28	28	28
PMTEPOST	Pearson Correlation	-.300	.357	-.223	-.298	.055	.363	-.227
	Sig. (2-tailed)	.121	.062	.254	.124	.781	.057	.245
	N	28	28	28	28	28	28	28
MTOEPOST	Pearson Correlation	.035	.363	.332	.035	.192	-.137	.417*
	Sig. (2-tailed)	.858	.058	.084	.859	.326	.486	.027
	N	28	28	28	28	28	28	28
PMTEDIFF	Pearson Correlation	.161	.282	.101	-.365	-.147	-.549**	-.272
	Sig. (2-tailed)	.412	.146	.608	.056	.455	.002	.161
	N	28	28	28	28	28	28	28
MTOEDIFF	Pearson Correlation	-.017	.359	.372	.222	.260	-.200	-.526**
	Sig. (2-tailed)	.933	.061	.051	.256	.182	.308	.004
	N	28	28	28	28	28	28	28

Correlations

		PMTEPOST	MTOEPOST	PMTEDIFF	MTOEDIFF
dinnerhelp	Pearson Correlation	-.300	.035	.161	-.017
	Sig. (2-tailed)	.121	.858	.412	.933
	N	28	28	28	28
foodhelp	Pearson Correlation	.357	.363	.282	.359
	Sig. (2-tailed)	.062	.058	.146	.061
	N	28	28	28	28
katemis1	Pearson Correlation	-.223	.332	.101	.372
	Sig. (2-tailed)	.254	.084	.608	.051
	N	28	28	28	28
katemis2	Pearson Correlation	-.298	.035	-.365	.222
	Sig. (2-tailed)	.124	.859	.056	.256
	N	28	28	28	28
katemis3	Pearson Correlation	.055	.192	-.147	.260
	Sig. (2-tailed)	.781	.326	.455	.182
	N	28	28	28	28
PMTEPRE	Pearson Correlation	.363	-.137	-.549**	-.200
	Sig. (2-tailed)	.057	.486	.002	.308
	N	28	28	28	28
MTOEPRE	Pearson Correlation	-.227	.417*	-.272	-.526**
	Sig. (2-tailed)	.245	.027	.161	.004
	N	28	28	28	28
PMTEPOST	Pearson Correlation	1	.081	.579**	.284
	Sig. (2-tailed)		.683	.001	.143
	N	28	28	28	28
MTOEPOST	Pearson Correlation	.081	1	.192	.554**
	Sig. (2-tailed)	.683		.327	.002
	N	28	28	28	28
PMTEDIFF	Pearson Correlation	.579**	.192	1	.429*
	Sig. (2-tailed)	.001	.327		.023
	N	28	28	28	28
MTOEDIFF	Pearson Correlation	.284	.554**	.429*	1
	Sig. (2-tailed)	.143	.002	.023	
	N	28	28	28	28

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

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

```

COMPUTE MISCONCEPTIONTOTAL=katemis1+katemis2+katemis3+dinnerhelp+foodhelp.
EXECUTE.
CORRELATIONS
/VARIABLES=PMTEPRE MTOEPRE PMTEPOST MTOEPOST PMTEDIFF MTOEDIFF MISCONCEPTIONTOTAL
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

Correlations

Notes

Output Created		25-OCT-2014 14:14:29
Comments		
Input	Data	/Users/aoner/Desktop/ Fall2013equitychallenge misKATEMTEBI.sav
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	N of Rows in Working Data File	28
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=PMTEPRE MTOEPRE PMTEPOST MTOEPOST PMTEDIFF MTOEDIFF MISCONCEPTIONTOTAL /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/aoner/Desktop/Fall2013equitychallenge/misKATEMTEBI.sav

Correlations

		PMTEPRE	MTOEPRE	PMTEPOST	MTOEPOST	PMTEDIFF	MTOEDIFF
PMTEPRE	Pearson Correlation	1	.078	.363	-.137	-.549**	-.200
	Sig. (2-tailed)		.693	.057	.486	.002	.308
	N	28	28	28	28	28	28
MTOEPRE	Pearson Correlation	.078	1	-.227	.417*	-.272	-.526**
	Sig. (2-tailed)	.693		.245	.027	.161	.004
	N	28	28	28	28	28	28
PMTEPOST	Pearson Correlation	.363	-.227	1	.081	.579**	.284
	Sig. (2-tailed)	.057	.245		.683	.001	.143
	N	28	28	28	28	28	28
MTOEPOST	Pearson Correlation	-.137	.417*	.081	1	.192	.554**
	Sig. (2-tailed)	.486	.027	.683		.327	.002
	N	28	28	28	28	28	28
PMTEDIFF	Pearson Correlation	-.549**	-.272	.579**	.192	1	.429*
	Sig. (2-tailed)	.002	.161	.001	.327		.023
	N	28	28	28	28	28	28
MTOEDIFF	Pearson Correlation	-.200	-.526**	.284	.554**	.429*	1
	Sig. (2-tailed)	.308	.004	.143	.002	.023	
	N	28	28	28	28	28	28
MISCONCEPTIONTOTAL	Pearson Correlation	-.393*	.000	-.120	.272	.236	.255
	Sig. (2-tailed)	.039	.999	.543	.161	.226	.191
	N	28	28	28	28	28	28

Correlations

		MISCONCEPT IONTOTAL
PMTEPRE	Pearson Correlation	-.393*
	Sig. (2-tailed)	.039
	N	28
MTOEPRE	Pearson Correlation	.000
	Sig. (2-tailed)	.999
	N	28
PMTEPOST	Pearson Correlation	-.120
	Sig. (2-tailed)	.543
	N	28
MTOEPOST	Pearson Correlation	.272
	Sig. (2-tailed)	.161
	N	28
PMTEDIFF	Pearson Correlation	.236
	Sig. (2-tailed)	.226
	N	28
MTOEDIFF	Pearson Correlation	.255
	Sig. (2-tailed)	.191
	N	28
MISCONCEPTIONTOTAL	Pearson Correlation	1
	Sig. (2-tailed)	
	N	28

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

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

NONPAR CORR

```
/VARIABLES=PMTEPRE MTOEPRE PMTEPOST MTOEPOST PMTEDIFF MTOEDIFF MISCONCEPTIONTOTAL
/PRINT=SPEARMAN TWOTAIL NOSIG
/MISSING=PAIRWISE.
```

Nonparametric Correlations

Notes

Output Created	25-OCT-2014 15:22:30	
Comments		
Input	Data	/Users/aoner/Desktop/Fall2013equitychallenge misKATEMTEBI.sav
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	N of Rows in Working Data File	28
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	NONPAR CORR /VARIABLES=PMTEPRE MTOEPRE PMTEPOST MTOEPOST PMTEDIFF MTOEDIFF MISCONCEPTIONTOTAL /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.	
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	78643 cases ^a

a. Based on availability of workspace memory

[DataSet1] /Users/aoner/Desktop/Fall2013equitychallengemisKATEMTEBI.sav

Correlations

			PMTEPRE	MTOEPRE	PMTEPOST	MTOEPOST
Spearman's rho	PMTEPRE	Correlation Coefficient	1.000	.244	.312	-.192
		Sig. (2-tailed)	.	.212	.106	.328
		N	28	28	28	28
	MTOEPRE	Correlation Coefficient	.244	1.000	-.166	.378*
		Sig. (2-tailed)	.212	.	.399	.048
		N	28	28	28	28
	PMTEPOST	Correlation Coefficient	.312	-.166	1.000	.097
		Sig. (2-tailed)	.106	.399	.	.625
		N	28	28	28	28
	MTOEPOST	Correlation Coefficient	-.192	.378*	.097	1.000
		Sig. (2-tailed)	.328	.048	.625	.
		N	28	28	28	28
	PMTEDIFF	Correlation Coefficient	-.487**	-.296	.620**	.269
		Sig. (2-tailed)	.009	.126	.000	.167
		N	28	28	28	28
	MTOEDIFF	Correlation Coefficient	-.253	-.458*	.313	.559**
		Sig. (2-tailed)	.194	.014	.105	.002
		N	28	28	28	28
	MISCONCEPTIONTOTAL	Correlation Coefficient	-.431*	.054	-.068	.218
		Sig. (2-tailed)	.022	.787	.733	.265
		N	28	28	28	28

Correlations

			PMTEDIFF	MTOEDIFF	MISCONCEPT IONTOTAL
Spearman's rho	PMTEPRE	Correlation Coefficient	-.487**	-.253	-.431*
		Sig. (2-tailed)	.009	.194	.022
		N	28	28	28
	MTOEPRE	Correlation Coefficient	-.296	-.458*	.054
		Sig. (2-tailed)	.126	.014	.787
		N	28	28	28
	PMTEPOST	Correlation Coefficient	.620**	.313	-.068
		Sig. (2-tailed)	.000	.105	.733
		N	28	28	28
	MTOEPOST	Correlation Coefficient	.269	.559**	.218
		Sig. (2-tailed)	.167	.002	.265
		N	28	28	28
	PMTEDIFF	Correlation Coefficient	1.000	.422*	.210
		Sig. (2-tailed)	.	.025	.282
		N	28	28	28
	MTOEDIFF	Correlation Coefficient	.422*	1.000	.101
		Sig. (2-tailed)	.025	.	.610
		N	28	28	28
	MISCONCEPTIONTOTAL	Correlation Coefficient	.210	.101	1.000
		Sig. (2-tailed)	.282	.610	.
		N	28	28	28

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

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