

## RELIABILITY

```
/VARIABLES=P1 P2 P3  
/SCALE('Internal reliability of P') ALL  
/MODEL=ALPHA  
/STATISTICS=DESCRIPTIVE  
/SUMMARY=TOTAL MEANS VARIANCE COV.
```

## Reliability

### Scale: Internal reliability of P (Positive Emotion)

#### Case Processing Summary

		N	%
Cases	Valid	181	100.0
	Excluded <sup>a</sup>	0	.0
	Total	181	100.0

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

#### Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.817	.819	3

#### Item Statistics

	Mean	Std. Deviation	N
P1	5.7901	2.52545	181
P2	6.0939	2.26741	181
P3	6.1657	2.18712	181

### Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	6.017	5.790	6.166	.376	1.065	.040
Item Variances	5.434	4.783	6.378	1.594	1.333	.700
Inter-Item Covariances	3.252	2.779	3.864	1.085	1.390	.247

### Summary Item Statistics

	N of Items
Item Means	3
Item Variances	3
Inter-Item Covariances	3

### Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
P1	12.2597	16.149	.655	.466	.771
P2	11.9558	16.720	.752	.566	.665
P3	11.8840	19.248	.614	.405	.803

#### RELIABILITY

```

/VARIABLES=E1 E2 E3
/SCALE('Internal reliability of E (Engagement)') ALL
/MODEL=ALPHA
/STATISTICS=DESCRIPTIVE
/SUMMARY=TOTAL MEANS VARIANCE COV.

```

## Reliability

### Scale: Internal reliability of E (Engagement)

#### Case Processing Summary

		N	%
Cases	Valid	181	100.0
	Excluded <sup>a</sup>	0	.0
	Total	181	100.0

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

### Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.571	.573	3

### Item Statistics

	Mean	Std. Deviation	N
E1	6.6243	2.26133	181
E2	6.8508	2.14343	181
E3	7.3812	2.26163	181

### Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	6.952	6.624	7.381	.757	1.114	.151
Item Variances	4.941	4.594	5.115	.521	1.113	.090
Inter-Item Covariances	1.521	.985	2.199	1.214	2.233	.307

### Summary Item Statistics

	N of Items
Item Means	3
Item Variances	3
Inter-Item Covariances	3

### Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
E1	14.2320	11.679	.463	.239	.337
E2	14.0055	12.983	.412	.213	.424
E3	13.4751	14.106	.278	.081	.624

RELIABILITY

/VARIABLES=R1 R2 R3

/SCALE('Internal reliability of R (Relationship)') ALL

/MODEL=ALPHA

```

/STATISTICS=DESCRIPTIVE
/SUMMARY=TOTAL MEANS VARIANCE COV.

```

## Reliability

### Scale: Internal reliability of R (Relationship)

#### Case Processing Summary

		N	%
Cases	Valid	181	100.0
	Excluded <sup>a</sup>	0	.0
	Total	181	100.0

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

#### Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.716	.718	3

#### Item Statistics

	Mean	Std. Deviation	N
R1	6.3646	2.48991	181
R2	6.8619	2.50948	181
R3	6.3978	2.77825	181

#### Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	6.541	6.365	6.862	.497	1.078	.077
Item Variances	6.739	6.200	7.719	1.519	1.245	.723
Inter-Item Covariances	3.077	2.332	3.866	1.534	1.658	.472

### Summary Item Statistics

	N of Items
Item Means	3
Item Variances	3
Inter-Item Covariances	3

### Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
R1	13.2597	21.749	.462	.242	.711
R2	12.7624	18.582	.638	.408	.502
R3	13.2265	18.565	.518	.314	.654

#### RELIABILITY

```

/VARIABLES=M1 M2 M3
/SCALE('Internal reliability of M (Meaning)') ALL
/MODEL=ALPHA
/STATISTICS=DESCRIPTIVE
/SUMMARY=TOTAL MEANS VARIANCE COV.

```

## Reliability

### Scale: Internal reliability of M (Meaning)

#### Case Processing Summary

		N	%
Cases	Valid	181	100.0
	Excluded <sup>a</sup>	0	.0
	Total	181	100.0

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

### Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.858	.859	3

### Item Statistics

	Mean	Std. Deviation	N
M1	5.9116	2.32927	181
M2	6.0276	2.53735	181
M3	5.8508	2.49552	181

### Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	5.930	5.851	6.028	.177	1.030	.008
Item Variances	6.030	5.425	6.438	1.013	1.187	.286
Inter-Item Covariances	4.033	3.698	4.230	.532	1.144	.068

### Summary Item Statistics

	N of Items
Item Means	3
Item Variances	3
Inter-Item Covariances	3

### Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
M1	11.8785	21.007	.743	.560	.794
M2	11.7624	19.049	.759	.582	.777
M3	11.9392	20.324	.699	.489	.833

RELIABILITY

/VARIABLES=A1 A2 A3

/SCALE('Internal reliability of A (Accomplishment)') ALL

/MODEL=ALPHA

```

/STATISTICS=DESCRIPTIVE
/SUMMARY=TOTAL MEANS VARIANCE COV.

```

## Reliability

### Scale: Internal reliability of A (Accomplishment)

#### Case Processing Summary

		N	%
Cases	Valid	181	100.0
	Excluded <sup>a</sup>	0	.0
	Total	181	100.0

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

#### Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.764	.762	3

#### Item Statistics

	Mean	Std. Deviation	N
A1	5.3204	2.04860	181
A2	5.7680	2.20637	181
A3	6.6851	1.97913	181

#### Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance
Item Means	5.924	5.320	6.685	1.365	1.256	.484
Item Variances	4.327	3.917	4.868	.951	1.243	.239
Inter-Item Covariances	2.244	1.674	2.936	1.262	1.754	.328

### Summary Item Statistics

	N of Items
Item Means	3
Item Variances	3
Inter-Item Covariances	3

### Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
A1	12.4530	13.027	.623	.434	.651
A2	12.0055	11.461	.677	.479	.584
A3	11.0884	14.937	.496	.252	.786