

NPAR TESTS

/M-W= AgPractice AgProcess AgDepend AgUses V2.1 BY T\_Seq(1 2)  
 /MISSING ANALYSIS.

## NPar Tests

### Notes

Output Created		07-APR-2016 14:41:30
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= AgPractice AgProcess AgDepend AgUses V2.1 BY T_Seq (1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01
	Number of Cases Allowed <sup>a</sup>	285975

a. Based on availability of workspace memory.

## Mann-Whitney Test

**Ranks**

	T-test sequence	N	Mean Rank	Sum of Ranks
Ag Practice Index	Humans	14	8.86	124.00
	Insects	10	17.60	176.00
	Total	24		
Ag Process Index	Humans	15	9.47	142.00
	Insects	10	18.30	183.00
	Total	25		
Ag Dependence Index	Humans	15	10.73	161.00
	Insects	10	16.40	164.00
	Total	25		
Ag Uses Index	Humans	15	17.33	260.00
	Insects	10	6.50	65.00
	Total	25		
Degree of dependence on domesticates	Humans	15	8.67	130.00
	Insects	10	19.50	195.00
	Total	25		

**Test Statistics<sup>a</sup>**

	Ag Practice Index	Ag Process Index	Ag Dependence Index	Ag Uses Index	Degree of dependence on domesticates
Mann-Whitney U	19.000	22.000	41.000	10.000	10.000
Wilcoxon W	124.000	142.000	161.000	65.000	130.000
Z	-2.990	-2.969	-1.937	-3.759	-3.911
Asymp. Sig. (2-tailed)	.003	.003	.053	.000	.000
Exact Sig. [2*(1-tailed Sig.)]	.002 <sup>b</sup>	.002 <sup>b</sup>	.062 <sup>b</sup>	.000 <sup>b</sup>	.000 <sup>b</sup>

a. Grouping Variable: T-test sequence

b. Not corrected for ties.

**NPAR TESTS**

/K-W=Demo Special Control BY V2.1(1 3)

/STATISTICS DESCRIPTIVES

/MISSING ANALYSIS.

**NPar Tests**

**Notes**

Output Created		07-APR-2016 14:48:08
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		<pre> NPAR TESTS   /K-W=Demo Special Control BY V2.1(1 3) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS. </pre>
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed <sup>a</sup>	349525

a. Based on availability of workspace memory.

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Demographics Index	25	.0791	.78031	-1.43	.83
Specialization Index	25	.0000	.97497	-1.66	.58
Social Control Index	15	.0000	.70656	-1.25	.76
Degree of dependence on domesticates	25	2.28	.792	1	3

**Kruskal-Wallis Test**

**Ranks**

	Degree of dependence on domesticates	N	Mean Rank
Demographics Index	0 to 33%	5	7.20
	34 to 67%	8	12.75
	68 to 100%	12	15.58
	Total	25	
Specialization Index	0 to 33%	5	6.10
	34 to 67%	8	13.25
	68 to 100%	12	15.71
	Total	25	
Social Control Index	0 to 33%	5	3.40
	34 to 67%	8	10.06
	68 to 100%	2	11.25
	Total	15	

**Test Statistics<sup>a,b</sup>**

	Demographics Index	Specialization Index	Social Control Index
Chi-Square	4.729	9.822	8.254
df	2	2	2
Asymp. Sig.	.094	.007	.016

a. Kruskal Wallis Test

b. Grouping Variable: Degree of dependence on domesticates

**Notes**

Output Created		07-APR-2016 15:02:06
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
	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=ZV5.28,ZV5.29,ZV5.30,ZV5.31,ZV5.32,ZV5.33,ZV5.34,ZV5.35,ZV5.36 /SCALE('Communication Index') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

```

COMPUTE Comm=MEAN(ZV5.28,ZV5.31,ZV5.34).
VARIABLE LABELS Special 'Communication Index'.
EXECUTE.
RELIABILITY
/VARIABLES=ZV5.28,ZV5.31,ZV5.34
/SCALE('Communication Index') ALL
/MODEL=ALPHA.

```

## Reliability

**Notes**

Output Created		07-APR-2016 15:06:11
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
	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=ZV5.28,ZV5.31,ZV5.34 /SCALE('Communication Index') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

**Scale: Communication Index**

**Case Processing Summary**

		N	%
Cases	Valid	10	40.0
	Excluded <sup>a</sup>	15	60.0
	Total	25	100.0

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

**Reliability Statistics**

Cronbach's Alpha	N of Items
.915	3

```

EXECUTE.
NONPAR CORR
  /VARIABLES=V2.1 AgDepend AgUses AgPractice AgProcess Demo Special Control Co
mm
  /PRINT=KENDALL TWOTAIL NOSIG
  /MISSING=PAIRWISE.

```

## Nonparametric Correlations

### Notes

Output Created		07-APR-2016 15:14:16
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
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=V2.1 AgDepend AgUses AgPractice AgProcess Demo Special Control Comm /PRINT=KENDALL TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed	262144 cases <sup>a</sup>

a. Based on availability of workspace memory

**Correlations**

	Degree of dependence on domesticates	Ag Dependence Index	Ag Uses Index	Ag Practice Index	Ag Processes Index	Demographics Index	Specialization Index	Social Control Index	Communication Index
Degree of dependence on domesticates	1.00 .001 25	.54** .001 25	-.280 .110 25	.77** .000 24	.79** .000 25	.342* .043 25	.54** .005 25	.62** .006 15	.306 .100 24
Ag Dependence Index	.54** .001 25	1.00 .001 25	.122 .444 25	.52** .001 24	.77** .000 25	.303* .049 25	.55** .001 25	.362 .081 15	.338* .045 24
Ag Uses Index	-.280 .110 25	.122 .444 25	1.00 .001 25	-.067 .675 24	-.115 .473 25	.024 .882 25	.046 .802 25	.518* .016 15	-.060 .735 24
Ag Practice Index	.77** .000 24	.52** .001 24	-.067 .675 24	1.00 .000 24	.69** .000 24	.214 .164 24	.47** .007 24	.454* .030 14	.315 .060 23
Ag Process Index	.79** .000 25	.77** .000 25	-.115 .473 25	.69** .000 24	1.00 .000 25	.393* .011 25	.56** .001 25	.361 .076 15	.399* .018 24
Demographics Index	.342* .043 25	.303* .049 25	.024 .882 25	.214 .164 24	.393* .011 25	1.00 .001 25	.57** .001 25	.258 .218 15	.58** .001 24
Specialization Index	.54** .005 25	.55** .001 25	.046 .802 25	.47** .007 24	.56** .001 25	.57** .001 25	1.00 .001 25	.351 .136 15	.430* .025 24
Social Control Index	.62** .006 15	.362 .081 15	.518* .016 15	.454* .030 14	.361 .076 15	.258 .218 15	.351 .136 15	1.00 .001 15	.442 .070 14
Communication Index	.306 .100 24	.338* .045 24	-.060 .735 24	.315 .060 23	.399* .018 24	.58** .001 24	.430* .025 24	.442 .070 14	1.00 .001 24

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

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



```

/K-W=Comm BY V2.1(1 3)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.

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## NPar Tests

### Notes

Output Created		07-APR-2016 15:15:19
Comments		
Input	Data	\\elda\anthropology\peregrip\My Documents\PETER\In Progress\SFI\ag_workinggroup\agriculture_plus.sav
	Active Dataset	DataSet3
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /K-W=Comm BY V2.1(1 3) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01
	Number of Cases Allowed <sup>a</sup>	449389

a. Based on availability of workspace memory.

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Communication Index	24	.1247	.98023	-2.15	2.25
Degree of dependence on domesticates	25	2.28	.792	1	3

## Kruskal-Wallis Test

### Ranks

	Degree of dependence on domesticates	N	Mean Rank
Communication Index	0 to 33%	4	8.00
	34 to 67%	8	11.75
	68 to 100%	12	14.50
	Total	24	

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

	Communication Index
Chi-Square	3.083
df	2
Asymp. Sig.	.214

a. Kruskal Wallis Test

b. Grouping Variable: Degree of dependence on domesticates

DATASET ACTIVATE DataSet3.

```
SAVE OUTFILE='\\elda\anthropology\peregrip\My Documents\PETER\In '+
'Progress\SFI\ag_workinggroup\agriculture_plus.sav
/COMPRESSED.
```