```
GET DATA /TYPE=XLSX
  /FILE='C:\Users\common\Desktop\tPad\exp-questionnaires.xlsx'
  /SHEET=name 'Exp2'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.

SAVE OUTFILE='C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitat
ive.sav'
  /COMPRESSED.
NPAR TESTS
  /FRIEDMAN=Acc.Hover Acc.tPad Acc.HoverCrop Acc.tPadCrop
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:05:26
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Acc.Hover Acc.tPad Acc.HoverCrop Acc.tPadCrop /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.002
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Acc.Hover	1.92
Acc.tPad	2.96
Acc.HoverCrop	2.04
Acc.tPadCrop	3.08

Test Statistics[a]

N	12
Chi-Square	9.416
df	3
Asymp. Sig.	.024

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=Acc.Hover Acc.Hover Acc.Hover Acc.tPad Acc.tPad Acc.HoverCrop WIT
H Acc.tPad Acc.HoverCrop Acc.tPadCrop Acc.HoverCrop Acc.tPadCrop Acc.tPadCrop
 (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:06:09
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
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 /WILCOXON=Acc.Hover Acc.Hover Acc.Hover Acc.tPad Acc.tPad Acc. HoverCrop WITH Acc.tPad Acc. HoverCrop Acc.tPadCrop Acc. HoverCrop Acc.tPadCrop Acc. tPadCrop (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.015
	Elapsed Time	0:00:00.006
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Acc.tPad - Acc.Hover	Negative Ranks	1[a]	6.00	6.00
	Positive Ranks	8[b]	4.88	39.00
	Ties	3[c]		
	Total	12		
Acc.HoverCrop - Acc. Hover	Negative Ranks	4[d]	5.00	20.00
	Positive Ranks	6[e]	5.83	35.00
	Ties	2[f]		
	Total	12		
Acc.tPadCrop - Acc.Hover	Negative Ranks	3[g]	2.67	8.00
	Positive Ranks	8[h]	7.25	58.00
	Ties	1[i]		
	Total	12		
Acc.HoverCrop - Acc.tPad	Negative Ranks	8[j]	5.75	46.00
	Positive Ranks	2[k]	4.50	9.00
	Ties	2[l]		
	Total	12		
Acc.tPadCrop - Acc.tPad	Negative Ranks	3[m]	4.67	14.00
	Positive Ranks	5[n]	4.40	22.00
	Ties	4[o]		
	Total	12		
Acc.tPadCrop - Acc. HoverCrop	Negative Ranks	1[p]	2.00	2.00
	Positive Ranks	8[q]	5.38	43.00
	Ties	3[r]		
	Total	12		

a. Acc.tPad < Acc.Hover
b. Acc.tPad > Acc.Hover
c. Acc.tPad = Acc.Hover
d. Acc.HoverCrop < Acc.Hover
e. Acc.HoverCrop > Acc.Hover
f. Acc.HoverCrop = Acc.Hover
g. Acc.tPadCrop < Acc.Hover
h. Acc.tPadCrop > Acc.Hover
i. Acc.tPadCrop = Acc.Hover
j. Acc.HoverCrop < Acc.tPad
k. Acc.HoverCrop > Acc.tPad
l. Acc.HoverCrop = Acc.tPad
m. Acc.tPadCrop < Acc.tPad
n. Acc.tPadCrop > Acc.tPad
o. Acc.tPadCrop = Acc.tPad
p. Acc.tPadCrop < Acc.HoverCrop
q. Acc.tPadCrop > Acc.HoverCrop
r. Acc.tPadCrop = Acc.HoverCrop

Test Statistics[c]

	Acc.tPad - Acc.Hover	Acc. HoverCrop - Acc.Hover	Acc.tPadCrop - Acc.Hover	Acc. HoverCrop - Acc.tPad
Z	-1.967[a]	-.784[a]	-2.243[a]	-1.924[b]
Asymp. Sig. (2-tailed)	.049	.433	.025	.054

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

Test Statistics[c]

	Acc.tPadCrop - Acc.tPad	Acc.tPadCrop - Acc. HoverCrop
Z	-.586[a]	-2.455[a]
Asymp. Sig. (2-tailed)	.558	.014

a. Based on negative ranks.

c. Wilcoxon Signed Ranks Test

```
NPAR TESTS
  /FRIEDMAN=Eff.Hover Eff.tPad Eff.HoverCrop Eff.tPadCrop
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:08:41
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Eff.Hover Eff.tPad Eff.HoverCrop Eff.tPadCrop /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.004
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Eff.Hover	1.92
Eff.tPad	3.42
Eff.HoverCrop	1.58
Eff.tPadCrop	3.08

Test Statistics[a]

N	12
Chi-Square	19.615
df	3
Asymp. Sig.	.000

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=Eff.Hover Eff.Hover Eff.Hover Eff.tPad Eff.tPad Eff.HoverCrop WIT
H Eff.tPad Eff.HoverCrop Eff.tPadCrop Eff.HoverCrop Eff.tPadCrop Eff.tPadCrop
 (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:09:21
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
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 /WILCOXON=Eff.Hover Eff.Hover Eff.Hover Eff.tPad Eff.tPad Eff.HoverCrop WITH Eff.tPad Eff.HoverCrop Eff.tPadCrop Eff.HoverCrop Eff.tPadCrop Eff.tPadCrop (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.016
	Elapsed Time	0:00:00.016
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Eff.tPad - Eff.Hover	Negative Ranks	0[a]	.00	.00
	Positive Ranks	9[b]	5.00	45.00
	Ties	3[c]		
	Total	12		
Eff.HoverCrop - Eff.Hover	Negative Ranks	6[d]	6.00	36.00
	Positive Ranks	3[e]	3.00	9.00
	Ties	3[f]		
	Total	12		
Eff.tPadCrop - Eff.Hover	Negative Ranks	2[g]	7.00	14.00
	Positive Ranks	10[h]	6.40	64.00
	Ties	0[i]		
	Total	12		
Eff.HoverCrop - Eff.tPad	Negative Ranks	11[j]	6.91	76.00
	Positive Ranks	1[k]	2.00	2.00
	Ties	0[l]		
	Total	12		
Eff.tPadCrop - Eff.tPad	Negative Ranks	4[m]	3.25	13.00
	Positive Ranks	1[n]	2.00	2.00
	Ties	7[o]		
	Total	12		
Eff.tPadCrop - Eff. HoverCrop	Negative Ranks	0[p]	.00	.00
	Positive Ranks	9[q]	5.00	45.00
	Ties	3[r]		
	Total	12		

a. Eff.tPad < Eff.Hover
b. Eff.tPad > Eff.Hover
c. Eff.tPad = Eff.Hover
d. Eff.HoverCrop < Eff.Hover
e. Eff.HoverCrop > Eff.Hover
f. Eff.HoverCrop = Eff.Hover
g. Eff.tPadCrop < Eff.Hover
h. Eff.tPadCrop > Eff.Hover
i. Eff.tPadCrop = Eff.Hover
j. Eff.HoverCrop < Eff.tPad
k. Eff.HoverCrop > Eff.tPad
l. Eff.HoverCrop = Eff.tPad
m. Eff.tPadCrop < Eff.tPad
n. Eff.tPadCrop > Eff.tPad
o. Eff.tPadCrop = Eff.tPad
p. Eff.tPadCrop < Eff.HoverCrop
q. Eff.tPadCrop > Eff.HoverCrop
r. Eff.tPadCrop = Eff.HoverCrop

Test Statistics[c]

	Eff.tPad - Eff. Hover	Eff.HoverCrop - Eff.Hover	Eff.tPadCrop - Eff.Hover	Eff.HoverCrop - Eff.tPad
Z	-2.716[a]	-1.643[b]	-2.008[a]	-2.921[b]
Asymp. Sig. (2-tailed)	.007	.100	.045	.003

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

Test Statistics[c]

	Eff.tPadCrop - Eff.tPad	Eff.tPadCrop - Eff.HoverCrop
Z	-1.518[b]	-2.716[a]
Asymp. Sig. (2-tailed)	.129	.007

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

```
NPAR TESTS
  /FRIEDMAN=Enj.Hover Enj.tPad Enj.HoverCrop Enj.tPadCrop
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:10:25
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Enj.Hover Enj.tPad Enj.HoverCrop Enj.tPadCrop /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Enj.Hover	2.04
Enj.tPad	3.08
Enj.HoverCrop	2.00
Enj.tPadCrop	2.88

Test Statistics[a]

N	12
Chi-Square	8.934
df	3
Asymp. Sig.	.030

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=Enj.Hover Enj.Hover Enj.Hover Enj.tPad Enj.tPad Enj.HoverCrop WIT
H Enj.tPad Enj.HoverCrop Enj.tPadCrop Enj.HoverCrop Enj.tPadCrop Enj.tPadCrop
 (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:11:19
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
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 /WILCOXON=Enj.Hover Enj.Hover Enj.Hover Enj.tPad Enj.tPad Enj.HoverCrop WITH Enj.tPad Enj.HoverCrop Enj.tPadCrop Enj.HoverCrop Enj.tPadCrop Enj.tPadCrop (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Enj.tPad - Enj.Hover	Negative Ranks	2[a]	2.00	4.00
	Positive Ranks	7[b]	5.86	41.00
	Ties	3[c]		
	Total	12		
Enj.HoverCrop - Enj. Hover	Negative Ranks	3[d]	3.33	10.00
	Positive Ranks	3[e]	3.67	11.00
	Ties	6[f]		
	Total	12		
Enj.tPadCrop - Enj.Hover	Negative Ranks	2[g]	9.00	18.00
	Positive Ranks	8[h]	4.63	37.00
	Ties	2[i]		
	Total	12		
Enj.HoverCrop - Enj.tPad	Negative Ranks	7[j]	6.00	42.00
	Positive Ranks	2[k]	1.50	3.00
	Ties	3[l]		
	Total	12		
Enj.tPadCrop - Enj.tPad	Negative Ranks	6[m]	4.00	24.00
	Positive Ranks	2[n]	6.00	12.00
	Ties	4[o]		
	Total	12		
Enj.tPadCrop - Enj. HoverCrop	Negative Ranks	1[p]	7.50	7.50
	Positive Ranks	8[q]	4.69	37.50
	Ties	3[r]		
	Total	12		

a. Enj.tPad < Enj.Hover
b. Enj.tPad > Enj.Hover
c. Enj.tPad = Enj.Hover
d. Enj.HoverCrop < Enj.Hover
e. Enj.HoverCrop > Enj.Hover
f. Enj.HoverCrop = Enj.Hover
g. Enj.tPadCrop < Enj.Hover
h. Enj.tPadCrop > Enj.Hover
i. Enj.tPadCrop = Enj.Hover
j. Enj.HoverCrop < Enj.tPad
k. Enj.HoverCrop > Enj.tPad
l. Enj.HoverCrop = Enj.tPad
m. Enj.tPadCrop < Enj.tPad
n. Enj.tPadCrop > Enj.tPad
o. Enj.tPadCrop = Enj.tPad
p. Enj.tPadCrop < Enj.HoverCrop
q. Enj.tPadCrop > Enj.HoverCrop
r. Enj.tPadCrop = Enj.HoverCrop

Test Statistics[c]

	Enj.tPad - Enj. Hover	Enj. HoverCrop - Enj.Hover	Enj.tPadCrop - Enj.Hover	Enj. HoverCrop - Enj.tPad
Z	-2.209[a]	-.106[a]	-.978[a]	-2.354[b]
Asymp. Sig. (2-tailed)	.027	.915	.328	.019

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

Test Statistics[c]

	Enj.tPadCrop - Enj.tPad	Enj.tPadCrop - Enj. HoverCrop
Z	-.855[b]	-1.801[a]
Asymp. Sig. (2-tailed)	.393	.072

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

```
NPAR TESTS
  /FRIEDMAN=Nat.Hover Nat.tPad Nat.HoverCrop Nat.tPadCrop
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:12:03
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Nat.Hover Nat.tPad Nat.HoverCrop Nat.tPadCrop /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Nat.Hover	2.25
Nat.tPad	3.25
Nat.HoverCrop	1.79
Nat.tPadCrop	2.71

Test Statistics[a]

N	12
Chi-Square	9.721
df	3
Asymp. Sig.	.021

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=Nat.Hover Nat.Hover Nat.Hover Nat.tPad Nat.tPad Nat.HoverCrop WIT
H Nat.tPad Nat.HoverCrop Nat.tPadCrop Nat.HoverCrop Nat.tPadCrop Nat.tPadCrop
 (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:12:57
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
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 /WILCOXON=Nat.Hover Nat.Hover Nat.Hover Nat.tPad Nat.tPad Nat.HoverCrop WITH Nat.tPad Nat.HoverCrop Nat.tPadCrop Nat.HoverCrop Nat.tPadCrop Nat.tPadCrop (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Nat.tPad - Nat.Hover	Negative Ranks	2[a]	6.00	12.00
	Positive Ranks	8[b]	5.38	43.00
	Ties	2[c]		
	Total	12		
Nat.HoverCrop - Nat. Hover	Negative Ranks	6[d]	4.83	29.00
	Positive Ranks	2[e]	3.50	7.00
	Ties	4[f]		
	Total	12		
Nat.tPadCrop - Nat.Hover	Negative Ranks	3[g]	6.17	18.50
	Positive Ranks	7[h]	5.21	36.50
	Ties	2[i]		
	Total	12		
Nat.HoverCrop - Nat.tPad	Negative Ranks	10[j]	6.25	62.50
	Positive Ranks	2[k]	7.75	15.50
	Ties	0[l]		
	Total	12		
Nat.tPadCrop - Nat.tPad	Negative Ranks	6[m]	4.67	28.00
	Positive Ranks	2[n]	4.00	8.00
	Ties	4[o]		
	Total	12		
Nat.tPadCrop - Nat. HoverCrop	Negative Ranks	2[p]	4.50	9.00
	Positive Ranks	7[q]	5.14	36.00
	Ties	3[r]		
	Total	12		

a. Nat.tPad < Nat.Hover
b. Nat.tPad > Nat.Hover
c. Nat.tPad = Nat.Hover
d. Nat.HoverCrop < Nat.Hover
e. Nat.HoverCrop > Nat.Hover
f. Nat.HoverCrop = Nat.Hover
g. Nat.tPadCrop < Nat.Hover
h. Nat.tPadCrop > Nat.Hover
i. Nat.tPadCrop = Nat.Hover
j. Nat.HoverCrop < Nat.tPad
k. Nat.HoverCrop > Nat.tPad
l. Nat.HoverCrop = Nat.tPad
m. Nat.tPadCrop < Nat.tPad
n. Nat.tPadCrop > Nat.tPad
o. Nat.tPadCrop = Nat.tPad
p. Nat.tPadCrop < Nat.HoverCrop
q. Nat.tPadCrop > Nat.HoverCrop
r. Nat.tPadCrop = Nat.HoverCrop

Test Statistics[c]

	Nat.tPad - Nat.Hover	Nat. HoverCrop - Nat.Hover	Nat.tPadCrop - Nat.Hover	Nat. HoverCrop - Nat.tPad
Z	-1.596[a]	-1.613[b]	-.930[a]	-1.873[b]
Asymp. Sig. (2-tailed)	.111	.107	.352	.061

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

Test Statistics[c]

	Nat.tPadCrop - Nat.tPad	Nat.tPadCrop - Nat. HoverCrop
Z	-1.508[b]	-1.616[a]
Asymp. Sig. (2-tailed)	.132	.106

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

```
NPAR TESTS
  /FRIEDMAN=Pow.Hover Pow.tPad Pow.HoverCrop Pow.tPadCrop
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:16:53
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Pow.Hover Pow.tPad Pow.HoverCrop Pow.tPadCrop /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Pow.Hover	1.95
Pow.tPad	2.59
Pow.HoverCrop	2.27
Pow.tPadCrop	3.18

Test Statistics[a]

N	11
Chi-Square	7.107
df	3
Asymp. Sig.	.069

a. Friedman Test

```
NPAR TESTS
  /FRIEDMAN=Pref.T Pref.TC Pref.H Pref.HC
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:17:18
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for all tests are based on cases with no missing data for any variables used.
Syntax		NPAR TESTS /FRIEDMAN=Pref.T Pref.TC Pref.H Pref.HC /MISSING LISTWISE.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Friedman Test

Ranks

	Mean Rank
Pref.T	1.67
Pref.TC	2.33
Pref.H	2.83
Pref.HC	3.17

Test Statistics[a]

N	12
Chi-Square	9.200
df	3
Asymp. Sig.	.027

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=Pref.T Pref.T Pref.T Pref.TC Pref.TC Pref.H WITH Pref.TC Pref.H P
ref.HC Pref.H Pref.HC Pref.HC (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		13-Sep-2013 22:18:06
Comments		
Input	Data	C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
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 /WILCOXON=Pref.T Pref.T Pref.T Pref.TC Pref.TC Pref.H WITH Pref.TC Pref.H Pref.HC Pref.H Pref.HC Pref.HC (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	87381

a. Based on availability of workspace memory.

```
[DataSet1] C:\Users\common\Desktop\tPad\Experiment 2 - InfCapture\Qualitative
.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Pref.TC - Pref.T	Negative Ranks	3[a]	6.83	20.50
	Positive Ranks	9[b]	6.39	57.50
	Ties	0[c]		
	Total	12		
Pref.H - Pref.T	Negative Ranks	3[d]	3.50	10.50
	Positive Ranks	9[e]	7.50	67.50
	Ties	0[f]		
	Total	12		
Pref.HC - Pref.T	Negative Ranks	2[g]	5.50	11.00
	Positive Ranks	10[h]	6.70	67.00
	Ties	0[i]		
	Total	12		
Pref.H - Pref.TC	Negative Ranks	4[j]	7.25	29.00
	Positive Ranks	8[k]	6.13	49.00
	Ties	0[l]		
	Total	12		
Pref.HC - Pref.TC	Negative Ranks	3[m]	6.17	18.50
	Positive Ranks	9[n]	6.61	59.50
	Ties	0[o]		
	Total	12		
Pref.HC - Pref.H	Negative Ranks	5[p]	5.50	27.50
	Positive Ranks	7[q]	7.21	50.50
	Ties	0[r]		
	Total	12		

a. Pref.TC < Pref.T
b. Pref.TC > Pref.T
c. Pref.TC = Pref.T
d. Pref.H < Pref.T
e. Pref.H > Pref.T
f. Pref.H = Pref.T
g. Pref.HC < Pref.T
h. Pref.HC > Pref.T
i. Pref.HC = Pref.T
j. Pref.H < Pref.TC
k. Pref.H > Pref.TC
l. Pref.H = Pref.TC
m. Pref.HC < Pref.TC
n. Pref.HC > Pref.TC
o. Pref.HC = Pref.TC
p. Pref.HC < Pref.H
q. Pref.HC > Pref.H
r. Pref.HC = Pref.H

Test Statistics[b]

	Pref.TC - Pref. T	Pref.H - Pref.T	Pref.HC - Pref. T	Pref.H - Pref. TC
Z	-1.502[a]	-2.276[a]	-2.236[a]	-.799[a]
Asymp. Sig. (2-tailed)	.133	.023	.025	.424

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

Test Statistics[b]

	Pref.HC - Pref. TC	Pref.HC - Pref. H
Z	-1.637[a]	-.966[a]
Asymp. Sig. (2-tailed)	.102	.334

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test