

GET

```
FILE='D:\oeris\Desktop\GG study 15OCT14.sav'.  
DATASET NAME DataSet1 WINDOW=FRONT.  
NPAR TESTS  
  /WILCOXON=Ease_of_use_EH WITH Ease_of_use_GG (PAIRED)  
  /STATISTICS DESCRIPTIVES  
  /MISSING ANALYSIS.
```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Ease_of_use_EH	14	1.7143	.42582	1.00	2.00
Ease_of_use_GG	14	1.2857	.42582	1.00	2.00

## Wilcoxon Signed Ranks Test

### Ranks

	N	Mean Rank	Sum of Ranks
Ease_of_use_GG - Ease_of_use_EH	Negative Ranks 9 <sup>a</sup>	6.50	58.50
	Positive Ranks 3 <sup>b</sup>	6.50	19.50
	Ties 2 <sup>c</sup>		
	Total 14		

- a. Ease\_of\_use\_GG < Ease\_of\_use\_EH
- b. Ease\_of\_use\_GG > Ease\_of\_use\_EH
- c. Ease\_of\_use\_GG = Ease\_of\_use\_EH

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

	Ease_of_use_ GG - Ease_of_use_ EH
Z	-1.732 <sup>b</sup>
Asymp. Sig. (2-tailed)	.083

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.

NPAR TESTS

```
/WILCOXON=Sterility_EH WITH Sterility_GG (PAIRED)  
/STATISTICS DESCRIPTIVES  
/MISSING ANALYSIS.
```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Sterility_EH	16	1.9688	.12500	1.50	2.00
Sterility_GG	16	1.0313	.12500	1.00	1.50

**Wilcoxon Signed Ranks Test**

**Ranks**

	N	Mean Rank	Sum of Ranks
Sterility_GG - Sterility_EH	Negative Ranks	15 <sup>a</sup>	120.00
	Positive Ranks	0 <sup>b</sup>	.00
	Ties	1 <sup>c</sup>	
	Total	16	

a. Sterility\_GG < Sterility\_EH

b. Sterility\_GG > Sterility\_EH

c. Sterility\_GG = Sterility\_EH

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

	Sterility_GG - Sterility_EH
Z	-3.873 <sup>b</sup>
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

**NPAR TESTS**

```

/WILCOXON=PhotoCapture_EH WITH PhotoCapture_GG (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
PhotoCapture_EH	16	1.6563	.35208	1.00	2.00
PhotoCapture_GG	16	1.3437	.35208	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
PhotoCapture_GG - PhotoCapture_EH	Negative Ranks	7 <sup>a</sup>	5.00	35.00
	Positive Ranks	2 <sup>b</sup>	5.00	10.00
	Ties	7 <sup>c</sup>		
	Total	16		

- a. PhotoCapture\_GG < PhotoCapture\_EH
- b. PhotoCapture\_GG > PhotoCapture\_EH
- c. PhotoCapture\_GG = PhotoCapture\_EH

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

	PhotoCapture _GG - PhotoCapture _EH
Z	-1.667 <sup>b</sup>
Asymp. Sig. (2-tailed)	.096

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.

**NPART TESTS**

```

/WILCOXON=Preview_EH WITH Preview_GG (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Preview_EH	16	1.4063	.45529	1.00	2.00
Preview_GG	16	1.5938	.45529	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
Preview_GG - Preview_EH	Negative Ranks	5 <sup>a</sup>	7.00	35.00
	Positive Ranks	8 <sup>b</sup>	7.00	56.00
	Ties	3 <sup>c</sup>		
	Total	16		

- a. Preview\_GG < Preview\_EH
- b. Preview\_GG > Preview\_EH
- c. Preview\_GG = Preview\_EH

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

	Preview_GG - Preview_EH
Z	-.832 <sup>b</sup>
Asymp. Sig. (2-tailed)	.405

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

**NPAR TESTS**

/WILCOXON=Image\_EH WITH Image\_GG (PAIRED)

/STATISTICS DESCRIPTIVES

/MISSING ANALYSIS.

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Image_EH	15	1.4333	.31997	1.00	2.00
Image_GG	15	1.5667	.31997	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
Image_GG - Image_EH	Negative Ranks	2 <sup>a</sup>	3.50	7.00
	Positive Ranks	4 <sup>b</sup>	3.50	14.00
	Ties	9 <sup>c</sup>		
	Total	15		

a. Image\_GG < Image\_EH

b. Image\_GG > Image\_EH

c. Image\_GG = Image\_EH

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

	Image_GG - Image_EH
Z	-.816 <sup>b</sup>
Asymp. Sig. (2-tailed)	.414

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

**NPAR TESTS**

/WILCOXON=Benefit\_over\_historical\_YES WITH Benefit\_over\_historical\_NO (PAIRED)

```

/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.

```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Benefit_over_historical_Y ES	14	1.0000	.00000	1.00	1.00
Benefit_over_historical_N O	14	2.0000	.00000	2.00	2.00

## Wilcoxon Signed Ranks Test

### Ranks

		N	Mean Rank	Sum of Ranks
Benefit_over_historical_N O -	Negative Ranks	0 <sup>a</sup>	.00	.00
Benefit_over_historical_Y ES	Positive Ranks	14 <sup>b</sup>	7.50	105.00
	Ties	0 <sup>c</sup>		
	Total	14		

- a. Benefit\_over\_historical\_NO < Benefit\_over\_historical\_YES
- b. Benefit\_over\_historical\_NO > Benefit\_over\_historical\_YES
- c. Benefit\_over\_historical\_NO = Benefit\_over\_historical\_YES

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

	Benefit_over_historical_NO - Benefit_over_historical_YE S
Z	-3.742 <sup>b</sup>
Asymp. Sig. (2-tailed)	.000

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

NPAR TESTS

```

/WILCOXON=Preferred_Display_headmounted WITH Preferred_Display_smartphon
e (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.

```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Preferred_Display_headmounted	15	1.6667	.48795	1.00	2.00
Preferred_Display_smartphone	15	1.3333	.48795	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

	N	Mean Rank	Sum of Ranks
Preferred_Display_smartphone - Preferred_Display_headmounted	10 <sup>a</sup>	8.00	80.00
	5 <sup>b</sup>	8.00	40.00
	0 <sup>c</sup>		
Total	15		

- a. Preferred\_Display\_smartphone < Preferred\_Display\_headmounted
- b. Preferred\_Display\_smartphone > Preferred\_Display\_headmounted
- c. Preferred\_Display\_smartphone = Preferred\_Display\_headmounted

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

	Preferred_Display_smartphone - Preferred_Display_headmounted
Z	-1.291 <sup>b</sup>
Asymp. Sig. (2-tailed)	.197

- a. Wilcoxon Signed Ranks Test
- b. Based on positive ranks.

**NPAR TESTS**

```

/WILCOXON=Digital_Ruler_YES WITH Digital_Ruler_NO (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Digital_Ruler_YES	13	1.0769	.27735	1.00	2.00
Digital_Ruler_NO	13	1.9231	.27735	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
Digital_Ruler_NO - Digital_Ruler_YES	Negative Ranks	1 <sup>a</sup>	7.00	7.00
	Positive Ranks	12 <sup>b</sup>	7.00	84.00
	Ties	0 <sup>c</sup>		
	Total	13		

- a. Digital\_Ruler\_NO < Digital\_Ruler\_YES
- b. Digital\_Ruler\_NO > Digital\_Ruler\_YES
- c. Digital\_Ruler\_NO = Digital\_Ruler\_YES

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

	Digital_Ruler_NO - Digital_Ruler_YES
Z	-3.051 <sup>b</sup>
Asymp. Sig. (2-tailed)	.002

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

**NPAR TESTS**

```

/WILCOXON=Future_HMD_use_YES WITH Future_HMD_use_NO (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Future_HMD_use_YES	13	1.0000	.00000	1.00	1.00
Future_HMD_use_NO	13	2.0000	.00000	2.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
Future_HMD_use_NO - Future_HMD_use_YES	Negative Ranks	0 <sup>a</sup>	.00	.00
	Positive Ranks	13 <sup>b</sup>	7.00	91.00
	Ties	0 <sup>c</sup>		
	Total	13		

- a. Future\_HMD\_use\_NO < Future\_HMD\_use\_YES
- b. Future\_HMD\_use\_NO > Future\_HMD\_use\_YES
- c. Future\_HMD\_use\_NO = Future\_HMD\_use\_YES

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

	Future_HMD_ use_NO - Future_HMD_ use_YES
Z	-3.606 <sup>b</sup>
Asymp. Sig. (2-tailed)	.000

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

**NPAR TESTS**

```

/WILCOXON=Barcode_Scanning_LIKE WITH Barcode_Scanning_DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.

```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Barcode_Scanning_LIKE	15	1.0000	.00000	1.00	1.00
Barcode_Scanning_DISLI KE	15	2.0000	.00000	2.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

	N	Mean Rank	Sum of Ranks
Barcode_Scanning_DISLI KE -	Negative Ranks 0 <sup>a</sup>	.00	.00
Barcode_Scanning_LIKE	Positive Ranks 15 <sup>b</sup>	8.00	120.00
	Ties 0 <sup>c</sup>		
	Total 15		

- a. Barcode\_Scanning\_DISLIKE < Barcode\_Scanning\_LIKE
- b. Barcode\_Scanning\_DISLIKE > Barcode\_Scanning\_LIKE
- c. Barcode\_Scanning\_DISLIKE = Barcode\_Scanning\_LIKE

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

	Barcode_Sca nning_DISLIK E - Barcode_Sca nning_LIKE
Z	-3.873 <sup>b</sup>
Asymp. Sig. (2-tailed)	.000

- a. Wilcoxon Signed Ranks Test



b. Based on negative ranks.

NPART TESTS

```
/WILCOXON=Zooming_LIKE WITH Zooming_DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Zooming_LIKE	10	1.2000	.42164	1.00	2.00
Zooming_DISLIKE	10	1.8000	.42164	1.00	2.00

## Wilcoxon Signed Ranks Test

### Ranks

	N	Mean Rank	Sum of Ranks
Zooming_DISLIKE - Zooming_LIKE	2 <sup>a</sup>	5.50	11.00
	8 <sup>b</sup>	5.50	44.00
	0 <sup>c</sup>		
Total	10		

a. Zooming\_DISLIKE < Zooming\_LIKE

b. Zooming\_DISLIKE > Zooming\_LIKE

c. Zooming\_DISLIKE = Zooming\_LIKE

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

	Zooming_DIS LIKE - Zooming_LIK E
Z	-1.897 <sup>b</sup>
Asymp. Sig. (2-tailed)	.058

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

NPART TESTS

```
/WILCOXON=DoubleBlink_LIKE WITH DoubleBlink_DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
```

## NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
DoubleBlink_LIKE	13	1.0000	.00000	1.00	1.00
DoubleBlink_DISLIKE	13	2.0000	.00000	2.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

	N	Mean Rank	Sum of Ranks
DoubleBlink_DISLIKE - DoubleBlink_LIKE	Negative Ranks 0 <sup>a</sup>	.00	.00
	Positive Ranks 13 <sup>b</sup>	7.00	91.00
	Ties 0 <sup>c</sup>		
	Total 13		

a. DoubleBlink\_DISLIKE < DoubleBlink\_LIKE

b. DoubleBlink\_DISLIKE > DoubleBlink\_LIKE

c. DoubleBlink\_DISLIKE = DoubleBlink\_LIKE

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

	DoubleBlink_ DISLIKE - DoubleBlink_L IKE
Z	-3.606 <sup>b</sup>
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

**NPAR TESTS**

```

/WILCOXON=VoiceDocumentation_LIKE WITH VoiceDocumentation_DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
VoiceDocumentation_LIKE	15	1.1333	.35187	1.00	2.00
VoiceDocumentation_DISLIKE	15	1.8667	.35187	1.00	2.00

**Wilcoxon Signed Ranks Test**

**Ranks**

		N	Mean Rank	Sum of Ranks
VoiceDocumentation_DISLIKE -	Negative Ranks	2 <sup>a</sup>	8.00	16.00
VoiceDocumentation_LIKE	Positive Ranks	13 <sup>b</sup>	8.00	104.00
	Ties	0 <sup>c</sup>		
	Total	15		

- a. VoiceDocumentation\_DISLIKE < VoiceDocumentation\_LIKE
- b. VoiceDocumentation\_DISLIKE > VoiceDocumentation\_LIKE
- c. VoiceDocumentation\_DISLIKE = VoiceDocumentation\_LIKE

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

	VoiceDocumentation_DISLIKE - VoiceDocumentation_LIKE
Z	-2.840 <sup>b</sup>
Asymp. Sig. (2-tailed)	.005

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

**NPART TESTS**

```

/WILCOXON=Smartphone_Patient_Select_LIKE WITH Smartphone_Patient_Select_
DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.
    
```

**NPar Tests**

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Smartphone_Patient_Select_LIKE	15	1.0667	.25820	1.00	2.00
Smartphone_Patient_Select_DISLIKE	15	1.9333	.25820	1.00	2.00

**Wilcoxon Signed Ranks Test**

### Ranks

		N	Mean Rank	Sum of Ranks
Smartphone_Patient_Select_DISLIKE - Smartphone_Patient_Select_LIKE	Negative Ranks	1 <sup>a</sup>	8.00	8.00
	Positive Ranks	14 <sup>b</sup>	8.00	112.00
	Ties	0 <sup>c</sup>		
	Total	15		

- a. Smartphone\_Patient\_Select\_DISLIKE < Smartphone\_Patient\_Select\_LIKE
- b. Smartphone\_Patient\_Select\_DISLIKE > Smartphone\_Patient\_Select\_LIKE
- c. Smartphone\_Patient\_Select\_DISLIKE = Smartphone\_Patient\_Select\_LIKE

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

	Smartphone_Patient_Select_DISLIKE - Smartphone_Patient_Select_LIKE
Z	-3.357 <sup>b</sup>
Asymp. Sig. (2-tailed)	.001

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

### NPAR TESTS

```

/WILCOXON=Smartphone_Preview_LIKE WITH Smartphone_Preview_DISLIKE (PAIRED)
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS.

```

### NPar Tests

[DataSet1] D:\oeris\Desktop\GG study 15OCT14.sav

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Smartphone_Preview_LIKE	14	1.0714	.26726	1.00	2.00
Smartphone_Preview_DISLIKE	14	1.9286	.26726	1.00	2.00

### Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
Smartphone_Preview_DISLIKE - Smartphone_Preview_LIKE	Negative Ranks	1 <sup>a</sup>	7.50	7.50
	Positive Ranks	13 <sup>b</sup>	7.50	97.50
	Ties	0 <sup>c</sup>		
	Total	14		

- a. Smartphone\_Preview\_DISLIKE < Smartphone\_Preview\_LIKE
- b. Smartphone\_Preview\_DISLIKE > Smartphone\_Preview\_LIKE
- c. Smartphone\_Preview\_DISLIKE = Smartphone\_Preview\_LIKE

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

	Smartphone_Preview_DISLIKE - Smartphone_Preview_LIKE
Z	-3.207 <sup>b</sup>
Asymp. Sig. (2-tailed)	.001

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.