```
 GET
  FILE='/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files
/datasets/q7_anal_lab.sav'.
DATASET NAME DataSet7 WINDOW=FRONT.
EXAMINE VARIABLES=distance_expectedC1C2distance_HSV distance_LCh distance_CMY
K distance_RGB distance_Lab
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		**21-SEP-2016 17:02:28**
Comments		
Input	**Data**	**/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q7_anal_lab.sav**
	Active Dataset	**DataSet7**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**22**
Missing Value Handling	**Definition of Missing**	**User-defined missing values for dependent variables are treated as missing.**
	Cases Used	**Statistics are based on cases with no missing values for any dependent variable or factor used.**

Notes

Syntax		**EXAMINE VARIABLES=distance_expectedC1C2 distance_HSV distance_LCh distance_CMYK distance_RGB distance_Lab /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.**
Resources	**Processor Time**	**00:00:02,80**
	Elapsed Time	**00:00:03,00**

[DataSet7] /Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q7_anal_lab.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
distance_expectedC1C2	22	100,0%	0	0,0%	22	100,0%
distance_HSV	22	100,0%	0	0,0%	22	100,0%
distance_LCh	22	100,0%	0	0,0%	22	100,0%
distance_CMYK	22	100,0%	0	0,0%	22	100,0%
distance_RGB	22	100,0%	0	0,0%	22	100,0%
distance_Lab	22	100,0%	0	0,0%	22	100,0%

Descriptives

			Statistic	Std. Error
distance_expected C1C2	Mean		.4536	.02457
	95% Confidence Interval for Mean	Lower Bound	.4025	
		Upper Bound	.5047	
	5% Trimmed Mean		.4523	
	Median		.4350	
	Variance		,013	
	Std. Deviation		.11524	
	Minimum		.28	
	Maximum		.65	
	Range		.37	
	Interquartile Range		.21	
	Skewness		,302	,491
	Kurtosis		-,997	,953
distance_HSV	Mean		.1577	.04409
	95% Confidence Interval for Mean	Lower Bound	.0660	
		Upper Bound	.2494	
	5% Trimmed Mean		.1447	
	Median		.0600	
	Variance		,043	
	Std. Deviation		.20679	
	Minimum		.01	
	Maximum		.54	
	Range		.53	
	Interquartile Range		.21	
	Skewness		1,297	,491
	Kurtosis		-,156	,953
distance_LCh	Mean		.2323	.02140
	95% Confidence Interval for Mean	Lower Bound	.1878	
		Upper Bound	.2768	
	5% Trimmed Mean		.2374	
	Median		.2700	
	Variance		,010	
	Std. Deviation		.10038	
	Minimum		.03	
	Maximum		.34	
	Range		.31	
	Interquartile Range		.19	
	Skewness		-,720	,491
	Kurtosis		-1,019	,953
distance_CMYK	Mean		.0986	.01604
	95% Confidence Interval for Mean	Lower Bound	.0653	
		Upper Bound	.1320	
	5% Trimmed Mean		.0942	
	Median		.0600	

Descriptives

			Statistic	Std. Error
	Variance		,006	
	Std. Deviation		.07523	
	Minimum		.03	
	Maximum		.25	
	Range		.22	
	Interquartile Range		.10	
	Skewness		,989	,491
	Kurtosis		-,583	,953
distance_RGB	Mean		.1455	.02736
	95% Confidence Interval for Mean	Lower Bound	.0885	
		Upper Bound	.2024	
	5% Trimmed Mean		.1405	
	Median		.1000	
	Variance		,016	
	Std. Deviation		.12835	
	Minimum		.00	
	Maximum		.38	
	Range		.38	
	Interquartile Range		.12	
	Skewness		1,149	,491
	Kurtosis		-,228	,953
distance_Lab	Mean		.1705	.01690
	95% Confidence Interval for Mean	Lower Bound	.1353	
		Upper Bound	.2056	
	5% Trimmed Mean		.1721	
	Median		.1600	
	Variance		,006	
	Std. Deviation		.07925	
	Minimum		.02	
	Maximum		.29	
	Range		.27	
	Interquartile Range		.12	
	Skewness		-,111	,491
	Kurtosis		-,836	,953

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
distance_expectedC1C2	,103	22	,200*	,949	22	,296
distance_HSV	,326	22	,000	,670	22	,000
distance_LCh	,245	22	,001	,857	22	,004
distance_CMYK	,242	22	,002	,797	22	,000
distance_RGB	,306	22	,000	,764	22	,000
distance_Lab	,128	22	,200*	,954	22	,372

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

```
NPAR TESTS
  /FRIEDMAN=distance_expectedC1C2distance_HSV distance_LCh distance_CMYK dist
ance_RGB distance_Lab
  /STATISTICS DESCRIPTIVES QUARTILES
  /MISSING LISTWISE.
```

NPar Tests

Notes

Output Created		21-SEP-2016 17:03:54
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q7_anal_lab.sav
	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	22
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.

Notes

Syntax		NPAR TESTS /FRIEDMAN=distance_expectedC1C2 distance_HSV distance_LCh distance_CMYK distance_RGB distance_Lab /STATISTICS DESCRIPTIVES QUARTILES /MISSING LISTWISE.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	71493

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile 25th
distance_expectedC1C2	22	.4536	.11524	.28	.65	.3475
distance_HSV	22	.1577	.20679	.01	.54	.0100
distance_LCh	22	.2323	.10038	.03	.34	.1250
distance_CMYK	22	.0986	.07523	.03	.25	.0475
distance_RGB	22	.1455	.12835	.00	.38	.0650
distance_Lab	22	.1705	.07925	.02	.29	.1225

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_expectedC1C2	.4350	.5600
distance_HSV	.0600	.2175
distance_LCh	.2700	.3125
distance_CMYK	.0600	.1500
distance_RGB	.1000	.1875
distance_Lab	.1600	.2425

Friedman Test

Ranks

	Mean Rank
distance_expected C1C2	5,95
distance_HSV	2,59
distance_LCh	4,02
distance_CMYK	2,14
distance_RGB	2,73
distance_Lab	3,57

Test Statistics[a]

N	22
Chi-Square	60,886
df	5
Asymp. Sig.	,000

a. Friedman Test

```
NPAR TESTS
  /WILCOXON=distance_HSV distance_HSV distance_HSV distance_HSV distance_LCh d
istance_LCh distance_LCh distance_CMYK distance_CMYK distance_RGB WITH distanc
e_LCh distance_CMYK distance_RGB distance_Lab distance_CMYK distance_RGB dista
nce_Lab distance_RGB distance_Lab distance_Lab (PAIRED)
  /STATISTICS DESCRIPTIVES QUARTILES
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		21-SEP-2016 17:04:34
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q7_anal_lab.sav
	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	22
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=distance_HSV distance_HSV distance_HSV distance_HSV distance_LCh distance_LCh distance_LCh distance_CMYK distance_CMYK distance_RGB WITH distance_LCh distance_CMYK distance_RGB distance_Lab distance_CMYK distance_RGB distance_Lab distance_RGB distance_Lab distance_Lab (PAIRED) /STATISTICS DESCRIPTIVES QUARTILES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,01
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	78643

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile 25th
distance_HSV	22	.1577	.20679	.01	.54	.0100
distance_LCh	22	.2323	.10038	.03	.34	.1250
distance_CMYK	22	.0986	.07523	.03	.25	.0475
distance_RGB	22	.1455	.12835	.00	.38	.0650
distance_Lab	22	.1705	.07925	.02	.29	.1225

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_HSV	.0600	.2175
distance_LCh	.2700	.3125
distance_CMYK	.0600	.1500
distance_RGB	.1000	.1875
distance_Lab	.1600	.2425

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
distance_LCh - distance_HSV	Negative Ranks	6[a]	13,58	81,50
	Positive Ranks	15[b]	9,97	149,50
	Ties	1[c]		
	Total	22		
distance_CMYK - distance_HSV	Negative Ranks	10[d]	14,65	146,50
	Positive Ranks	12[e]	8,88	106,50
	Ties	0[f]		
	Total	22		
distance_RGB - distance_HSV	Negative Ranks	10[g]	11,35	113,50
	Positive Ranks	10[h]	9,65	96,50
	Ties	2[i]		
	Total	22		
distance_Lab - distance_HSV	Negative Ranks	7[j]	14,93	104,50
	Positive Ranks	15[k]	9,90	148,50
	Ties	0[l]		
	Total	22		
distance_CMYK - distance_LCh	Negative Ranks	18[m]	12,50	225,00
	Positive Ranks	4[n]	7,00	28,00
	Ties	0[o]		
	Total	22		
distance_RGB - distance_LCh	Negative Ranks	17[p]	9,26	157,50
	Positive Ranks	4[q]	18,38	73,50

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	1[r]		
	Total	22		
distance_Lab - distance_LCh	Negative Ranks	15[s]	11,93	179,00
	Positive Ranks	7[t]	10,57	74,00
	Ties	0[u]		
	Total	22		
distance_RGB - distance_CMYK	Negative Ranks	5[v]	5,90	29,50
	Positive Ranks	16[w]	12,59	201,50
	Ties	1[x]		
	Total	22		
distance_Lab - distance_CMYK	Negative Ranks	3[y]	3,00	9,00
	Positive Ranks	18[z]	12,33	222,00
	Ties	1[aa]		
	Total	22		
distance_Lab - distance_RGB	Negative Ranks	6[ab]	14,33	86,00
	Positive Ranks	16[ac]	10,44	167,00
	Ties	0[ad]		
	Total	22		

a. distance_LCh < distance_HSV

b. distance_LCh > distance_HSV

c. distance_LCh = distance_HSV

d. distance_CMYK < distance_HSV
e. distance_CMYK > distance_HSV
f. distance_CMYK = distance_HSV
g. distance_RGB < distance_HSV
h. distance_RGB > distance_HSV
i. distance_RGB = distance_HSV
j. distance_Lab < distance_HSV
k. distance_Lab > distance_HSV
l. distance_Lab = distance_HSV
m. distance_CMYK < distance_LCh
n. distance_CMYK > distance_LCh
o. distance_CMYK = distance_LCh
p. distance_RGB < distance_LCh
q. distance_RGB > distance_LCh
r. distance_RGB = distance_LCh
s. distance_Lab < distance_LCh
t. distance_Lab > distance_LCh
u. distance_Lab = distance_LCh
v. distance_RGB < distance_CMYK
w. distance_RGB > distance_CMYK
x. distance_RGB = distance_CMYK
y. distance_Lab < distance_CMYK
z. distance_Lab > distance_CMYK
aa. distance_Lab = distance_CMYK
ab. distance_Lab < distance_RGB
ac. distance_Lab > distance_RGB
ad. distance_Lab = distance_RGB

Test Statistics[a]

	distance_LCh - distance_HSV	distance_CMYK - distance_HSV	distance_RGB - distance_HSV	distance_Lab - distance_HSV	distance_CMYK - distance_LCh
Z	-1,183[b]	-,652[c]	-,318[c]	-,714[b]	-3,200[c]
Asymp. Sig. (2-tailed)	,237	,515	,751	,475	,001

Test Statistics[a]

	distance_RGB - distance_LCh	distance_Lab - distance_LCh	distance_RGB - distance_CMYK	distance_Lab - distance_CMYK	distance_Lab - distance_RGB
Z	-1,461[c]	-1,705[c]	-3,003[b]	-3,704[b]	-1,318[b]
Asymp. Sig. (2-tailed)	,144	,088	,003	,000	,187

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

c. Based on positive ranks.