```
 >Warning # 853 in column 23.  Text: pt_PT
>The LOCALE subcommand of the SET command specifies a locale
>for which collation and translation are not available.
GET
  FILE='/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files
/datasets/q10_anal_lab.sav'.
DATASET NAME DataSet1 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 17:32:40**
Comments		
Input	**Data**	**/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q10_anal_lab.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**14**
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**	**00:00:04,20**
	Elapsed Time	**00:00:03,00**

[DataSet1] /Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q10_anal_lab.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
distance_expectedC1C2	14	100,0%	0	0,0%	14	100,0%
distance_HSV	14	100,0%	0	0,0%	14	100,0%
distance_LCh	14	100,0%	0	0,0%	14	100,0%
distance_CMYK	14	100,0%	0	0,0%	14	100,0%
distance_RGB	14	100,0%	0	0,0%	14	100,0%
distance_Lab	14	100,0%	0	0,0%	14	100,0%

Descriptives

			Statistic	Std. Error
distance_expected C1C2	Mean		.5671	.04055
	95% Confidence Interval for Mean	Lower Bound	.4795	
		Upper Bound	.6547	
	5% Trimmed Mean		.5646	
	Median		.5950	
	Variance		,023	
	Std. Deviation		.15173	
	Minimum		.35	
	Maximum		.83	
	Range		.48	
	Interquartile Range		.27	
	Skewness		,131	,597
	Kurtosis		-1,052	1,154
distance_HSV	Mean		.3000	.04221
	95% Confidence Interval for Mean	Lower Bound	.2088	
		Upper Bound	.3912	
	5% Trimmed Mean		.3083	
	Median		.3950	
	Variance		,025	
	Std. Deviation		.15792	
	Minimum		.02	
	Maximum		.43	
	Range		.41	
	Interquartile Range		.30	
	Skewness		-,776	,597
	Kurtosis		-1,385	1,154
distance_LCh	Mean		.2557	.03111
	95% Confidence Interval for Mean	Lower Bound	.1885	
		Upper Bound	.3229	
	5% Trimmed Mean		.2591	
	Median		.2750	
	Variance		,014	
	Std. Deviation		.11640	
	Minimum		.05	
	Maximum		.40	
	Range		.35	
	Interquartile Range		.16	
	Skewness		-,703	,597
	Kurtosis		-,416	1,154
distance_CMYK	Mean		.1314	.01275
	95% Confidence Interval for Mean	Lower Bound	.1039	
		Upper Bound	.1590	
	5% Trimmed Mean		.1310	
	Median		.1200	

Descriptives

			Statistic	Std. Error
	Variance		,002	
	Std. Deviation		.04769	
	Minimum		.06	
	Maximum		.21	
	Range		.15	
	Interquartile Range		.08	
	Skewness		,393	,597
	Kurtosis		-1,130	1,154
distance_RGB	Mean		.2107	.01711
	95% Confidence Interval for Mean	Lower Bound	.1737	
		Upper Bound	.2477	
	5% Trimmed Mean		.2086	
	Median		.2000	
	Variance		,004	
	Std. Deviation		.06403	
	Minimum		.12	
	Maximum		.34	
	Range		.22	
	Interquartile Range		.07	
	Skewness		,936	,597
	Kurtosis		,194	1,154
distance_Lab	Mean		.2043	.02561
	95% Confidence Interval for Mean	Lower Bound	.1490	
		Upper Bound	.2596	
	5% Trimmed Mean		.2020	
	Median		.1750	
	Variance		,009	
	Std. Deviation		.09581	
	Minimum		.07	
	Maximum		.38	
	Range		.31	
	Interquartile Range		.16	
	Skewness		,784	,597
	Kurtosis		-,599	1,154

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
distance_expected C1C2	,137	14	,200*	,955	14	,633
distance_HSV	,358	14	,000	,747	14	,001
distance_LCh	,195	14	,157	,890	14	,081
distance_CMYK	,238	14	,031	,923	14	,241
distance_RGB	,228	14	,047	,898	14	,106
distance_Lab	,274	14	,006	,878	14	,054

*. 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 17:33:54
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q10_anal_lab.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
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	00:00:00,01
	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	14	.5671	.15173	.35	.83	.4300
distance_HSV	14	.3000	.15792	.02	.43	.1200
distance_LCh	14	.2557	.11640	.05	.40	.1875
distance_CMYK	14	.1314	.04769	.06	.21	.0975
distance_RGB	14	.2107	.06403	.12	.34	.1675
distance_Lab	14	.2043	.09581	.07	.38	.1375

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_expectedC1C2	.5950	.7000
distance_HSV	.3950	.4200
distance_LCh	.2750	.3450
distance_CMYK	.1200	.1750
distance_RGB	.2000	.2375
distance_Lab	.1750	.3025

Friedman Test

Ranks

	Mean Rank
distance_expected C1C2	5,68
distance_HSV	3,89
distance_LCh	3,54
distance_CMYK	1,43
distance_RGB	3,36
distance_Lab	3,11

Test Statistics[a]

N	14
Chi-Square	37,700
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 17:34:48
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q10_anal_lab.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
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	14	.3000	.15792	.02	.43	.1200
distance_LCh	14	.2557	.11640	.05	.40	.1875
distance_CMYK	14	.1314	.04769	.06	.21	.0975
distance_RGB	14	.2107	.06403	.12	.34	.1675
distance_Lab	14	.2043	.09581	.07	.38	.1375

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_HSV	.3950	.4200
distance_LCh	.2750	.3450
distance_CMYK	.1200	.1750
distance_RGB	.2000	.2375
distance_Lab	.1750	.3025

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
distance_LCh - distance_HSV	Negative Ranks	10[a]	6,40	64,00
	Positive Ranks	4[b]	10,25	41,00
	Ties	0[c]		
	Total	14		
distance_CMYK - distance_HSV	Negative Ranks	10[d]	9,15	91,50
	Positive Ranks	4[e]	3,38	13,50
	Ties	0[f]		
	Total	14		
distance_RGB - distance_HSV	Negative Ranks	9[g]	9,06	81,50
	Positive Ranks	5[h]	4,70	23,50
	Ties	0[i]		
	Total	14		
distance_Lab - distance_HSV	Negative Ranks	9[j]	8,06	72,50
	Positive Ranks	5[k]	6,50	32,50
	Ties	0[l]		
	Total	14		
distance_CMYK - distance_LCh	Negative Ranks	12[m]	8,13	97,50
	Positive Ranks	2[n]	3,75	7,50
	Ties	0[o]		
	Total	14		
distance_RGB - distance_LCh	Negative Ranks	9[p]	7,39	66,50
	Positive Ranks	4[q]	6,13	24,50

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	1[r]		
	Total	14		
distance_Lab - distance_LCh	Negative Ranks	8[s]	9,38	75,00
	Positive Ranks	6[t]	5,00	30,00
	Ties	0[u]		
	Total	14		
distance_RGB - distance_CMYK	Negative Ranks	0[v]	,00	,00
	Positive Ranks	14[w]	7,50	105,00
	Ties	0[x]		
	Total	14		
distance_Lab - distance_CMYK	Negative Ranks	0[y]	,00	,00
	Positive Ranks	14[z]	7,50	105,00
	Ties	0[aa]		
	Total	14		
distance_Lab - distance_RGB	Negative Ranks	9[ab]	5,67	51,00
	Positive Ranks	4[ac]	10,00	40,00
	Ties	1[ad]		
	Total	14		

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	-,723[b]	-2,451[b]	-1,826[b]	-1,260[b]	-2,826[b]
Asymp. Sig. (2-tailed)	,470	,014	,068	,208	,005

Test Statistics[a]

	distance_RGB - distance_LCh	distance_Lab - distance_LCh	distance_RGB - distance_CMYK	distance_Lab - distance_CMYK	distance_Lab - distance_RGB
Z	-1,469[b]	-1,414[b]	-3,306[c]	-3,301[c]	-,395[b]
Asymp. Sig. (2-tailed)	,142	,157	,001	,001	,693

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

c. Based on negative ranks.