

```

>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/q8_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 NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

Explore

Notes

Output Created		21-SEP-2016 17:19:24
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q8_anal_lab.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	13
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_ex pectedC1C2 distance_HSV distance_LCh distance_CMYK distance_RGB distance_Lab /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /INTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time Elapsed Time	00:00:04,21 00:00:04,00

[DataSet1] /Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q8_anal_lab.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
distance_expectedC1C2	13	100,0%	0	0,0%	13	100,0%
distance_HSV	13	100,0%	0	0,0%	13	100,0%
distance_LCh	13	100,0%	0	0,0%	13	100,0%
distance_CMYK	13	100,0%	0	0,0%	13	100,0%
distance_RGB	13	100,0%	0	0,0%	13	100,0%
distance_Lab	13	100,0%	0	0,0%	13	100,0%

Descriptives

			Statistic	Std. Error
distance_expected C1C2	Mean		.4877	.07026
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.3346 .6408	
	5% Trimmed Mean		.4947	
	Median		.5600	
	Variance		.064	
	Std. Deviation		.25332	
	Minimum		.00	
	Maximum		.85	
	Range		.85	
	Interquartile Range		.29	
	Skewness		-.939	.616
	Kurtosis		.104	1.191
distance_HSV	Mean		.0954	.04521
	95% Confidence Interval for Mean	Lower Bound Upper Bound	-.0031 .1939	
	5% Trimmed Mean		.0788	
	Median		.0100	
	Variance		.027	
	Std. Deviation		.16302	
	Minimum		.00	
	Maximum		.49	
	Range		.49	
	Interquartile Range		.12	
	Skewness		1.909	.616
	Kurtosis		2.599	1.191
distance_LCh	Mean		.1700	.03563
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.0924 .2476	
	5% Trimmed Mean		.1672	
	Median		.1700	
	Variance		.017	
	Std. Deviation		.12845	
	Minimum		.00	
	Maximum		.39	
	Range		.39	
	Interquartile Range		.24	
	Skewness		.152	.616
	Kurtosis		-1.062	1.191
distance_CMYK	Mean		.1008	.01380
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.0707 .1308	
	5% Trimmed Mean		.0986	
	Median		.0900	

Descriptives

			Statistic	Std. Error
	Variance		,002	
	Std. Deviation		.04974	
	Minimum		.03	
	Maximum		.21	
	Range		.18	
	Interquartile Range		.08	
	Skewness		,604	,616
	Kurtosis		,476	1,191
distance_RGB	Mean		.1292	.02487
	95% Confidence Interval for Mean	Lower Bound	.0750	
		Upper Bound	.1834	
	5% Trimmed Mean		.1225	
	Median		.1200	
	Variance		,008	
	Std. Deviation		.08967	
	Minimum		.02	
	Maximum		.36	
	Range		.34	
	Interquartile Range		.11	
	Skewness		1,364	,616
	Kurtosis		2,829	1,191
distance_Lab	Mean		.1292	.02492
	95% Confidence Interval for Mean	Lower Bound	.0749	
		Upper Bound	.1835	
	5% Trimmed Mean		.1253	
	Median		.1400	
	Variance		,008	
	Std. Deviation		.08986	
	Minimum		.01	
	Maximum		.32	
	Range		.31	
	Interquartile Range		.15	
	Skewness		,529	,616
	Kurtosis		-,025	1,191

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
distance_expectedC1C2	,274	13	,008	,861	13	,039
distance_HSV	,307	13	,002	,652	13	,000
distance_LCh	,109	13	,200 [*]	,954	13	,656
distance_CMYK	,138	13	,200 [*]	,947	13	,550
distance_RGB	,178	13	,200 [*]	,894	13	,112
distance_Lab	,130	13	,200 [*]	,948	13	,568

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

a. Lilliefors Significance Correction

NPAR TESTS

```

/FRIEDMAN=distance_expectedC1C2distance_HSVdistance_LChdistance_CMYKdistance_RGBdistance_Lab
/STATISTICS DESCRIPTIVES QUANTILES
/MISSING LISTWISE.

```

NPar Tests

Notes

Output Created		21-SEP-2016 17:20:30
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q8_anal_lab.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	13
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_e xpectedC1C2 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_expected C1C2	13	.4877	.25332	.00	.85	.3200
distance_HSV	13	.0954	.16302	.00	.49	.0000
distance_LCh	13	.1700	.12845	.00	.39	.0450
distance_CMYK	13	.1008	.04974	.03	.21	.0650
distance_RGB	13	.1292	.08967	.02	.36	.0550
distance_Lab	13	.1292	.08986	.01	.32	.0500

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_expected C1C2	.5600	.6050
distance_HSV	.0100	.1200
distance_LCh	.1700	.2800
distance_CMYK	.0900	.1400
distance_RGB	.1200	.1650
distance_Lab	.1400	.1950

Friedman Test

Ranks

	Mean Rank
distance_expected C1C2	5,50
distance_HSV	1,92
distance_LCh	3,96
distance_CMYK	2,77
distance_RGB	3,50
distance_Lab	3,35

Test Statistics^a

N	13
Chi-Square	27,377
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_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 QUANTILES
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created		21-SEP-2016 17:21:27
Comments		
Input	Data	/Users/PauloGarcia/Desktop/blendingbox/Analysis/First Study/SPSS Files/datasets/q8_anal_I ab.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	13
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_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 (PAIRED) /STATISTICS DESCRIPTIVES QUANTILES /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	13	.0954	.16302	.00	.49	.0000
distance_LCh	13	.1700	.12845	.00	.39	.0450
distance_CMYK	13	.1008	.04974	.03	.21	.0650
distance_RGB	13	.1292	.08967	.02	.36	.0550
distance_Lab	13	.1292	.08986	.01	.32	.0500

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
distance_HSV	.0100	.1200
distance_LCh	.1700	.2800
distance_CMYK	.0900	.1400
distance_RGB	.1200	.1650
distance_Lab	.1400	.1950

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
distance_LCh - distance_HSV	Negative Ranks	2 ^a	5,50	11,00
	Positive Ranks	9 ^b	6,11	55,00
	Ties	2 ^c		
	Total	13		
distance_CMYK - distance_HSV	Negative Ranks	3 ^d	8,83	26,50
	Positive Ranks	9 ^e	5,72	51,50
	Ties	1 ^f		
	Total	13		
distance_RGB - distance_HSV	Negative Ranks	2 ^g	11,00	22,00
	Positive Ranks	11 ^h	6,27	69,00
	Ties	0 ⁱ		
	Total	13		
distance_Lab - distance_HSV	Negative Ranks	3 ^j	9,33	28,00
	Positive Ranks	10 ^k	6,30	63,00
	Ties	0 ^l		
	Total	13		
distance_CMYK - distance_LCh	Negative Ranks	9 ^m	7,78	70,00
	Positive Ranks	4 ⁿ	5,25	21,00
	Ties	0 ^o		
	Total	13		
distance_RGB - distance_LCh	Negative Ranks	8 ^p	6,69	53,50
	Positive Ranks	4 ^q	6,13	24,50

Ranks

		N	Mean Rank	Sum of Ranks
	Ties	1 ^r		
	Total	13		
distance_Lab - distance_LCh	Negative Ranks	8 ^s	7,31	58,50
	Positive Ranks	5 ^t	6,50	32,50
	Ties	0 ^u		
	Total	13		
distance_RGB - distance_CMYK	Negative Ranks	3 ^v	5,50	16,50
	Positive Ranks	9 ^w	6,83	61,50
	Ties	1 ^x		
	Total	13		
distance_Lab - distance_CMYK	Negative Ranks	5 ^y	3,70	18,50
	Positive Ranks	8 ^z	9,06	72,50
	Ties	0 ^{aa}		
	Total	13		
distance_Lab - distance_RGB	Negative Ranks	6 ^{ab}	6,17	37,00
	Positive Ranks	6 ^{ac}	6,83	41,00
	Ties	1 ^{ad}		
	Total	13		

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_CMY K - distance_HSV	distance_RGB - distance_HSV	distance_Lab - distance_HSV	distance_CMY K - distance_LCh
Z	-1,960 ^b	-,983 ^b	-1,644 ^b	-1,224 ^b	-1,715 ^c
Asymp. Sig. (2-tailed)	,050	,326	,100	,221	,086

Test Statistics^a

	distance_RGB - distance_LCh	distance_Lab - distance_LCh	distance_RGB - distance_CMY K	distance_Lab - distance_CMY K	distance_Lab - distance_RGB
Z	-1,139 ^c	-,909 ^c	-1,805 ^b	-1,896 ^b	-,158 ^b
Asymp. Sig. (2-tailed)	,255	,363	,071	,058	,875

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

c. Based on positive ranks.