Explore

Notes

Output Created		17-Aug-2013 13:41:38
Comments		
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1000
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.
Syntax		EXAMINE VARIABLES=BFDis BFTime /PLOT BOXPLOT HISTOGRAM NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	0:00:01.295
	Elapsed Time	0:00:01.304

[DataSet2]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
BFDis	1000	100.0%	0	.0%	1000	100.0%
BFTime	1000	100.0%	0	.0%	1000	100.0%

Descriptives

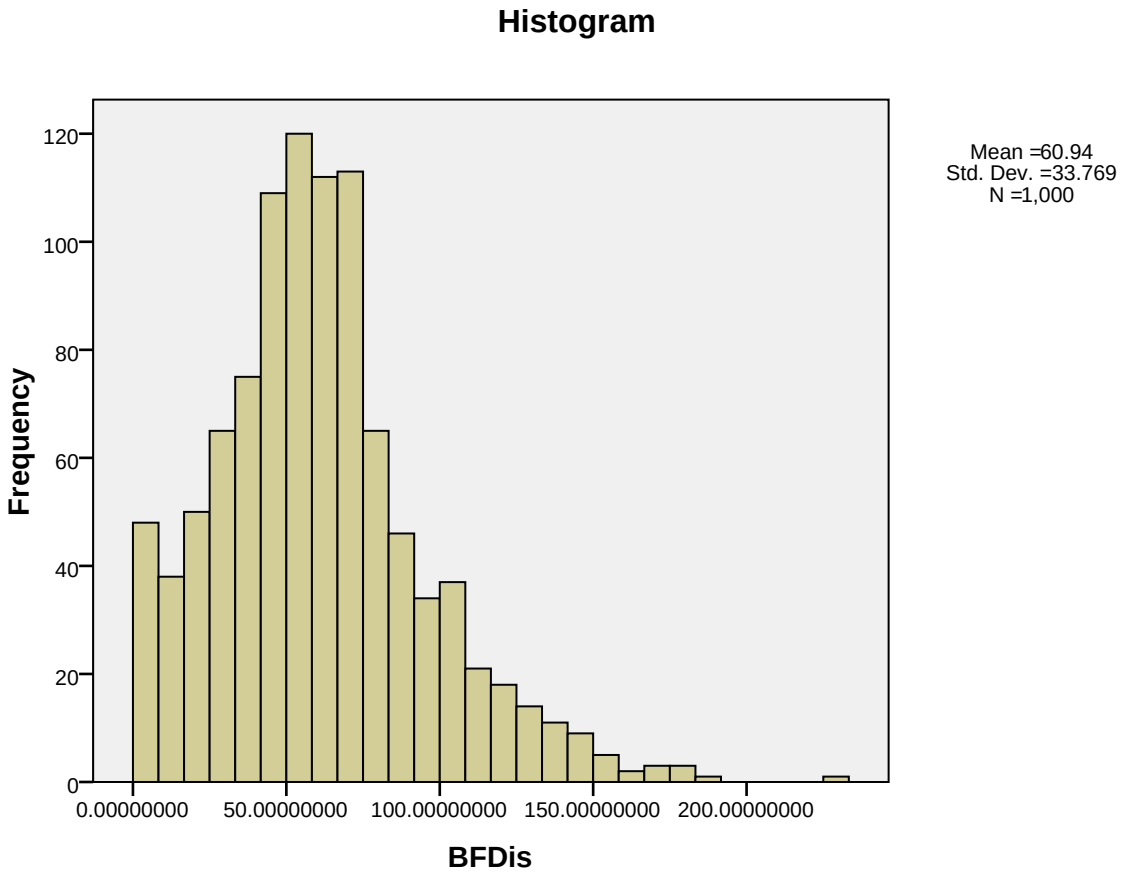
			Statistic	Std. Error
BFDis	Mean		6.09406657E1	1.0678E0
	95% Confidence Interval for Mean	Lower Bound	5.88451428E1	
		Upper Bound	6.30361887E1	
	5% Trimmed Mean		5.93199496E1	
	Median		5.79628780E1	
	Variance		1140.343	
	Std. Deviation		3.37689719E1	
	Minimum		.74679923	
	Maximum		2.30781940E2	
	Range		2.30035141E2	
	Interquartile Range		39.42272050	
	Skewness		.783	.077
	Kurtosis		1.208	.155
BFTime	Mean		16788.98	11.051
	95% Confidence Interval for Mean	Lower Bound	16767.30	
		Upper Bound	16810.67	
	5% Trimmed Mean		16736.38	
	Median		16666.50	
	Variance		122134.363	
	Std. Deviation		349.477	
	Minimum		16500	
	Maximum		18662	
	Range		2162	
	Interquartile Range		275	
	Skewness		2.419	.077
	Kurtosis		6.278	.155

Tests of Normality

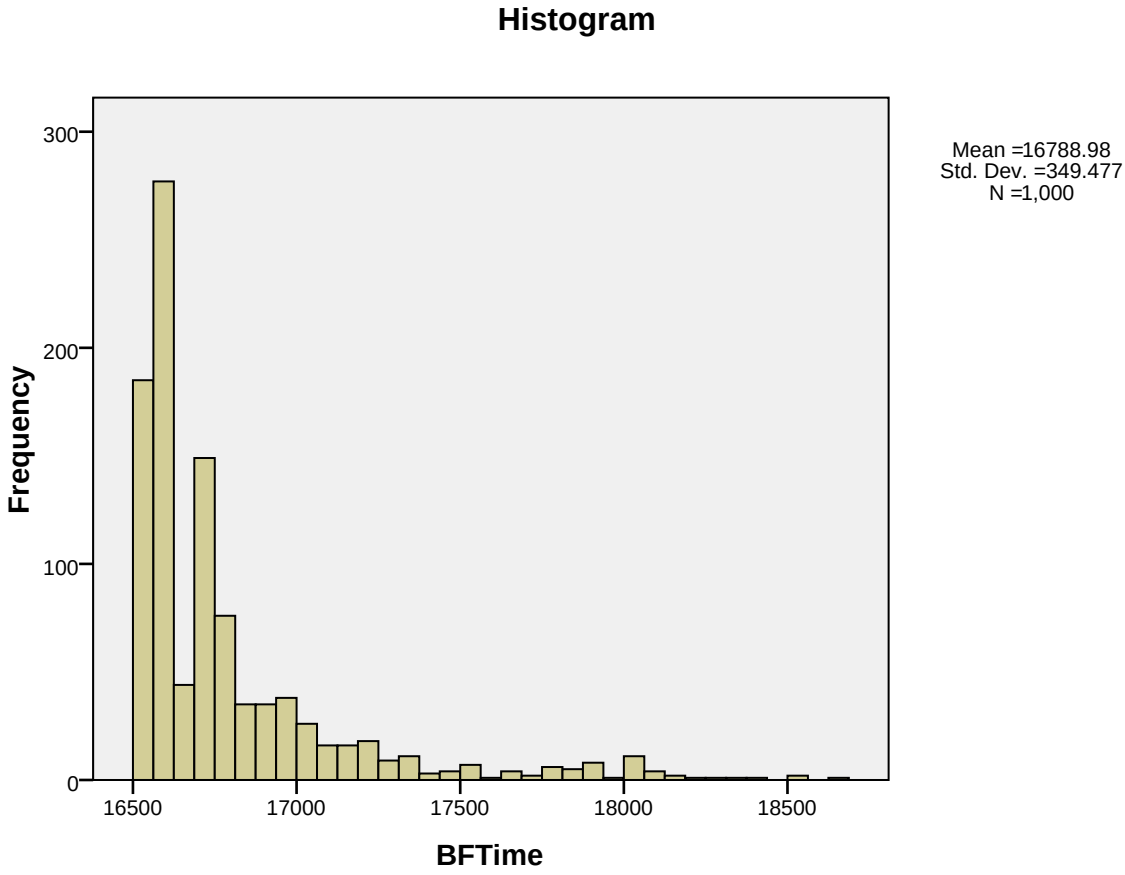
	Kolmogorov-Smirnov [a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
BFDis	.073	1000	.000	.964	1000	.000
BFTime	.222	1000	.000	.692	1000	.000

a. Lilliefors Significance Correction

BFDis


Histogram
Mean =60.94
Std. Dev. =33.769
N =1,000
Frequency
120
100
80
60
40
20
0
0.00000000
50.00000000
100.00000000
150.00000000
200.00000000
BFDis

BFTime




```
EXAMINE VARIABLES=QCHSCycles QCHSOffSet QCHSTime QCDCycles QCDOffSet QCDTime
SCCycles SCOffSet SCTime
  /PLOT BOXPLOT HISTOGRAM NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		17-Aug-2013 13:54:50
Comments		
Input	Data	C:\Users\common\Desktop\Color Correction\QuickCorrection.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	999
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.
Syntax		EXAMINE VARIABLES=QCHSCycles QCHSOffSet QCHSTime QCDCycles QCDOffSet QCDTime SCCycles SCOffSet SCTime /PLOT BOXPLOT HISTOGRAM NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	0:00:04.946
	Elapsed Time	0:00:04.946

[DataSet2] C:\Users\common\Desktop\Color Correction\QuickCorrection.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
QCHSCycles	999	100.0%	0	.0%	999	100.0%
QCHSOffSet	999	100.0%	0	.0%	999	100.0%
QCHSTime	999	100.0%	0	.0%	999	100.0%
QCDCycles	999	100.0%	0	.0%	999	100.0%
QCDOffSet	999	100.0%	0	.0%	999	100.0%
QCDTime	999	100.0%	0	.0%	999	100.0%
SCCycles	999	100.0%	0	.0%	999	100.0%
SCOffSet	999	100.0%	0	.0%	999	100.0%
SCTime	999	100.0%	0	.0%	999	100.0%

Descriptives

			Statistic	Std. Error
QCHSCycles	Mean		13.419419	.1247555
	95% Confidence Interval for Mean	Lower Bound	13.174606	
		Upper Bound	13.664233	
	5% Trimmed Mean		13.191469	
	Median		12.000000	
	Variance		15.548	
	Std. Deviation		3.9431409	
	Minimum		6.0000	
	Maximum		32.0000	
	Range		26.0000	
	Interquartile Range		4.0000	
	Skewness		1.220	.077
	Kurtosis		1.771	.155
QCHSOffSet	Mean		4.057814	.2530285
	95% Confidence Interval for Mean	Lower Bound	3.561285	
		Upper Bound	4.554343	
	5% Trimmed Mean		2.684014	
	Median		1.030779	
	Variance		63.959	
	Std. Deviation		7.9974617	
	Minimum		.0000	
	Maximum		61.8463	
	Range		61.8463	
	Interquartile Range		4.3451	
	Skewness		3.712	.077
	Kurtosis		16.499	.155
QCHSTime	Mean		159.683684	1.3826197
	95% Confidence Interval for Mean	Lower Bound	156.970508	
		Upper Bound	162.396859	
	5% Trimmed Mean		158.194639	
	Median		156.000000	
	Variance		1909.725	
	Std. Deviation		43.7004061	
	Minimum		71.0000	
	Maximum		447.0000	
	Range		376.0000	
	Interquartile Range		42.0000	
	Skewness		.735	.077
	Kurtosis		2.812	.155

Descriptives

			Statistic	Std. Error
QCDCycles	Mean		25.143143	.1061712
	95% Confidence Interval for Mean	Lower Bound	24.934799	
		Upper Bound	25.351488	
	5% Trimmed Mean		25.084640	
	Median		25.000000	
	Variance		11.261	
	Std. Deviation		3.3557492	
	Minimum		7.0000	
	Maximum		39.0000	
	Range		32.0000	
	Interquartile Range		5.0000	
	Skewness		-.272	.077
	Kurtosis		3.138	.155
QCDOffSet	Mean		16.425870	.4817703
	95% Confidence Interval for Mean	Lower Bound	15.480471	
		Upper Bound	17.371269	
	5% Trimmed Mean		15.391389	
	Median		11.330861	
	Variance		231.871	
	Std. Deviation		15.2272959	
	Minimum		.0000	
	Maximum		68.3138	
	Range		68.3138	
	Interquartile Range		24.6483	
	Skewness		.861	.077
	Kurtosis		-.274	.155
QCDTime	Mean		219.409409	1.8266117
	95% Confidence Interval for Mean	Lower Bound	215.824969	
		Upper Bound	222.993850	
	5% Trimmed Mean		216.087532	
	Median		215.000000	
	Variance		3333.174	
	Std. Deviation		57.7336462	
	Minimum		132.0000	
	Maximum		510.0000	
	Range		378.0000	
	Interquartile Range		63.0000	
	Skewness		.792	.077
	Kurtosis		1.009	.155

Descriptives

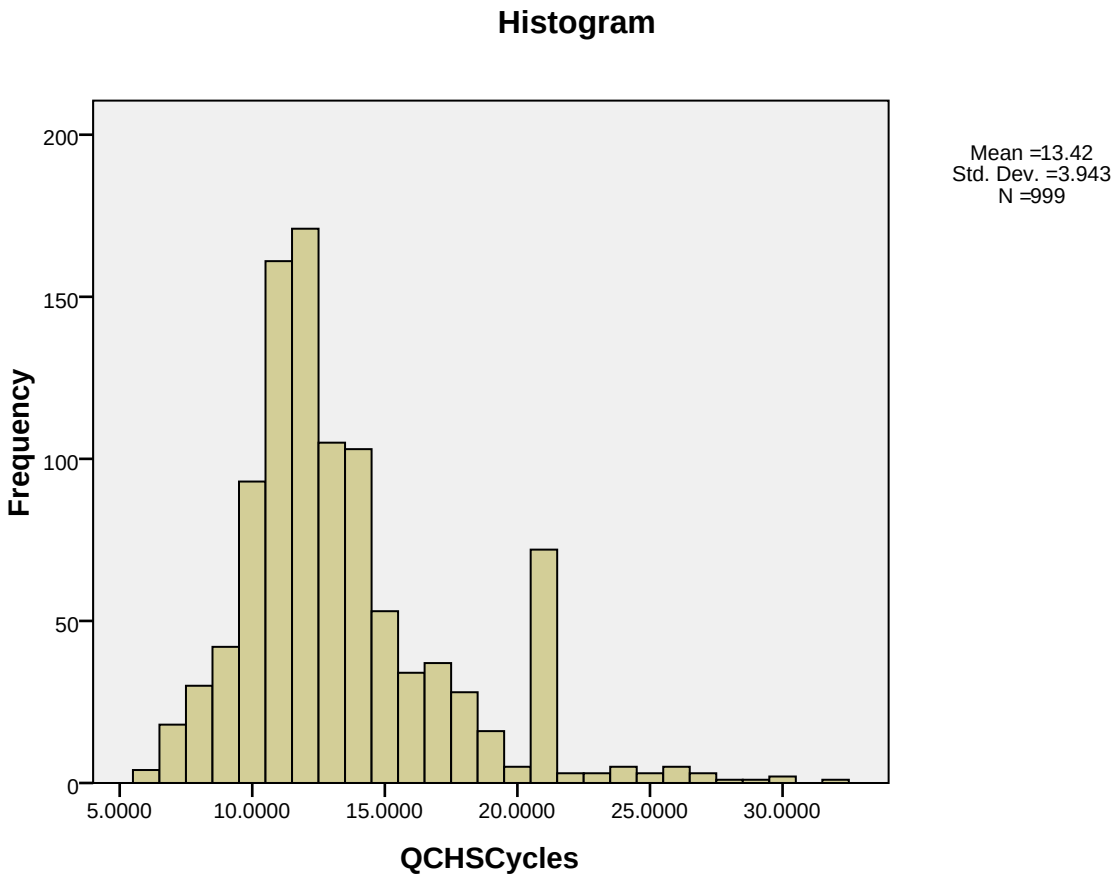
			Statistic	Std. Error
SCCycles	Mean		11.858859	.1385592
	95% Confidence Interval for Mean	Lower Bound	11.586958	
		Upper Bound	12.130760	
	5% Trimmed Mean		11.869814	
	Median		11.000000	
	Variance		19.179	
	Std. Deviation		4.3794358	
	Minimum		2.0000	
	Maximum		29.0000	
	Range		27.0000	
	Interquartile Range		6.0000	
	Skewness		.066	.077
	Kurtosis		-.651	.155
SCOffSet	Mean		5.836982	.2522019
	95% Confidence Interval for Mean	Lower Bound	5.342075	
		Upper Bound	6.331889	
	5% Trimmed Mean		4.953131	
	Median		1.598463	
	Variance		63.542	
	Std. Deviation		7.9713354	
	Minimum		.0000	
	Maximum		54.2710	
	Range		54.2710	
	Interquartile Range		9.7218	
	Skewness		1.661	.077
	Kurtosis		3.024	.155
SCTime	Mean		199.799800	2.2306860
	95% Confidence Interval for Mean	Lower Bound	195.422427	
		Upper Bound	204.177173	
	5% Trimmed Mean		198.950117	
	Median		196.000000	
	Variance		4970.984	
	Std. Deviation		70.5052050	
	Minimum		38.0000	
	Maximum		643.0000	
	Range		605.0000	
	Interquartile Range		105.0000	
	Skewness		.460	.077
	Kurtosis		1.314	.155

Tests of Normality

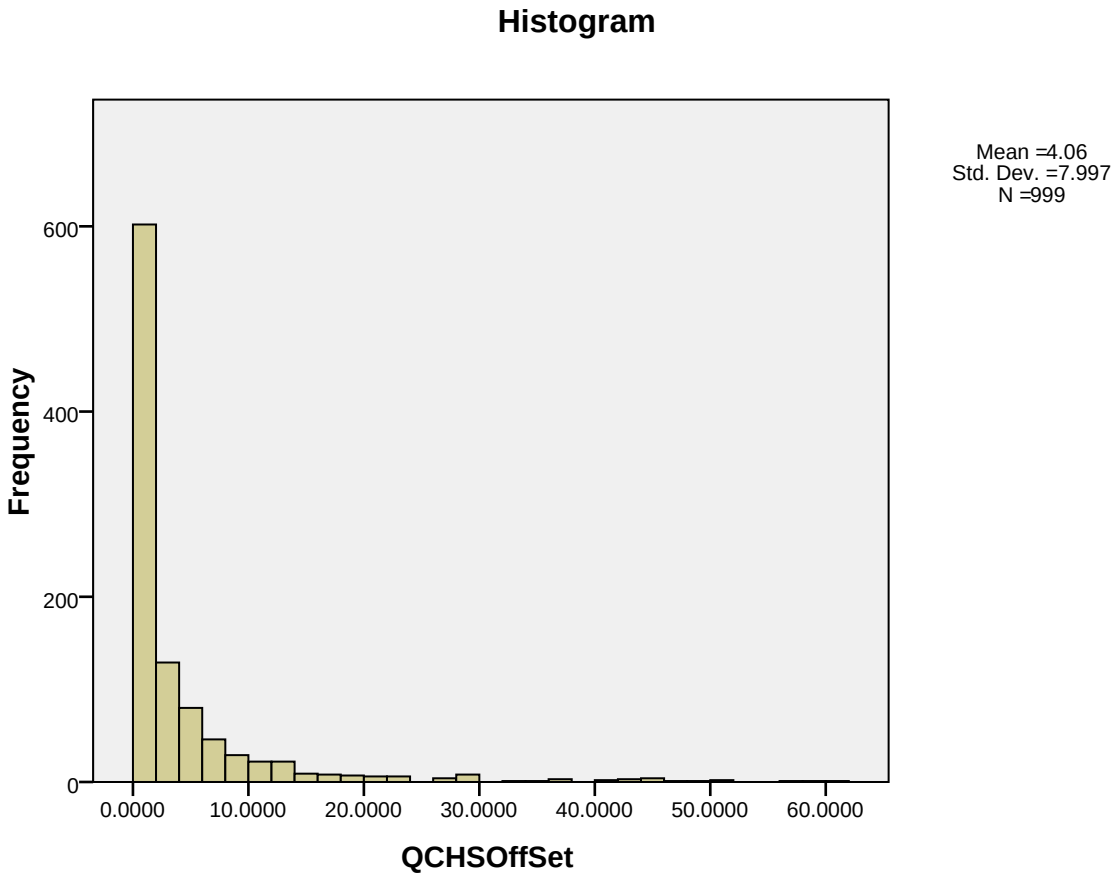
	Kolmogorov-Smirnov [a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
QCHSCycles	.169	999	.000	.902	999	.000
QCHSOffSet	.306	999	.000	.540	999	.000
QCHSTime	.086	999	.000	.948	999	.000
QCDCycles	.106	999	.000	.937	999	.000
QCDOffSet	.141	999	.000	.890	999	.000
QCDTime	.081	999	.000	.946	999	.000
SCCycles	.134	999	.000	.976	999	.000
SCOffSet	.239	999	.000	.754	999	.000
SCTime	.088	999	.000	.971	999	.000

a. Lilliefors Significance Correction

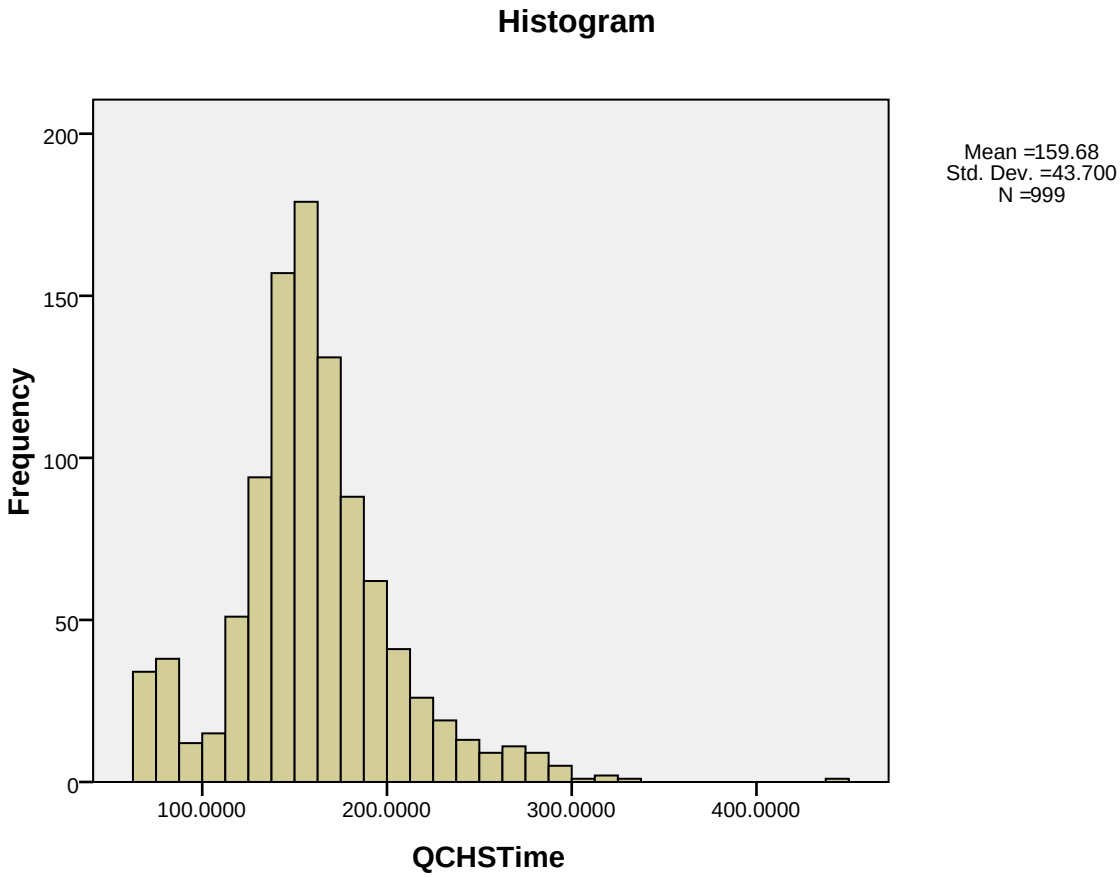
QCHSCycles



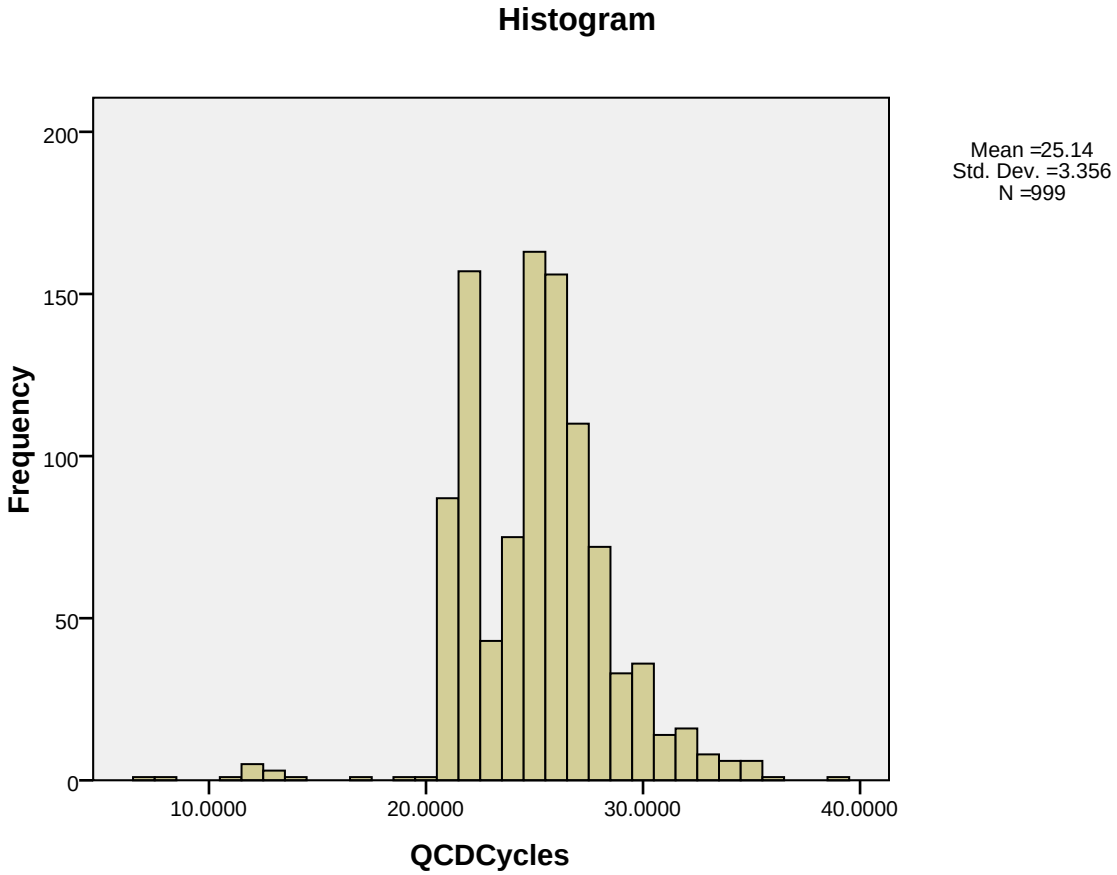
QCHSOffSet



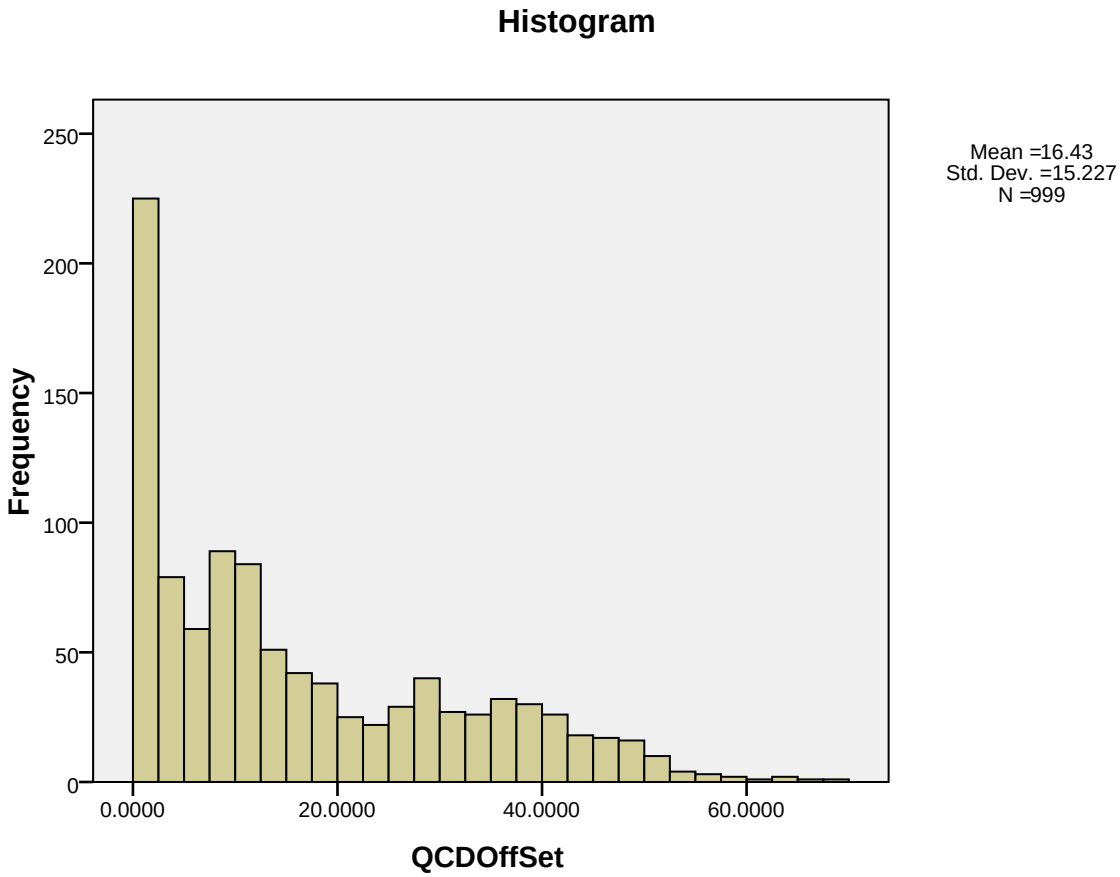
QCHSTime


Histogram
Mean =159.68
Std. Dev. =43.700
N =999
Frequency
200
150
100
50
0
100.0000
200.0000
300.0000
400.0000
QCHSTime

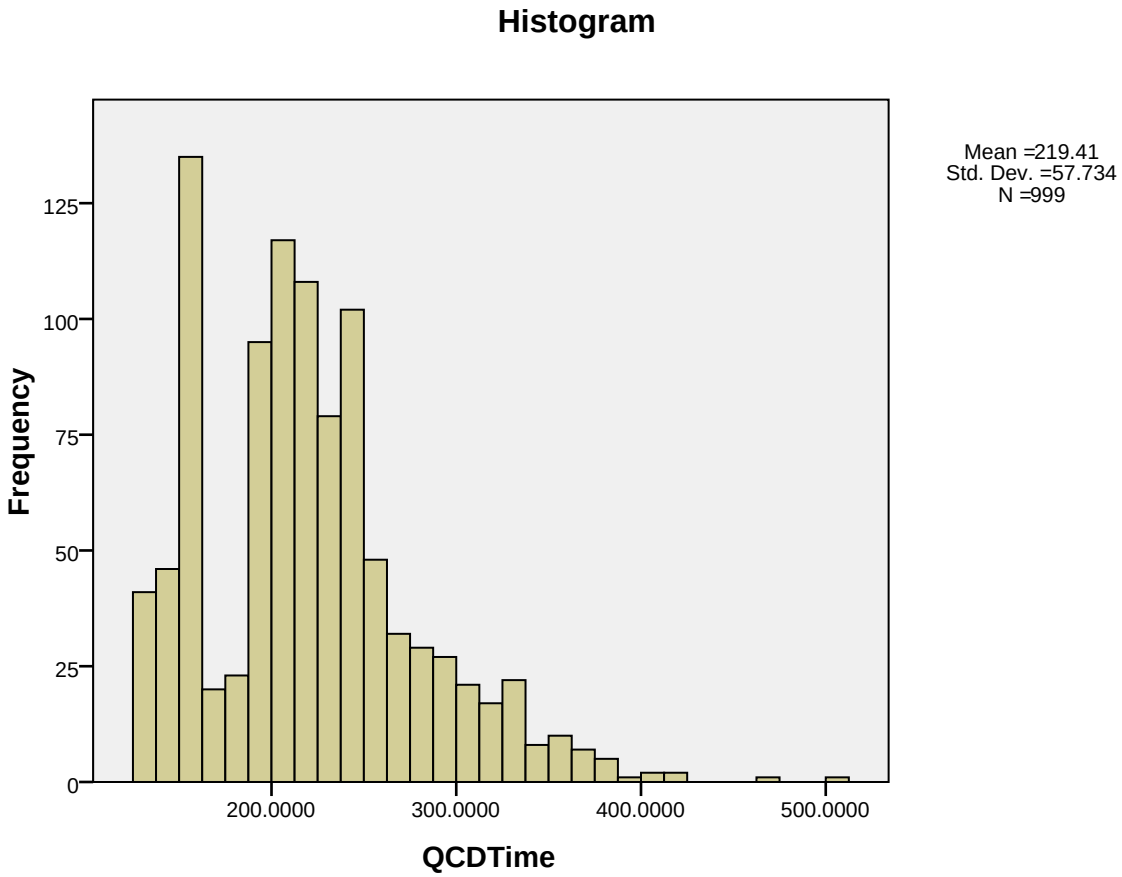
QCDCycles


Histogram
Mean =25.14
Std. Dev. =3.356
N =999
Frequency
200
150
100
50
0
10.0000
20.0000
30.0000
40.0000
QCDCycles

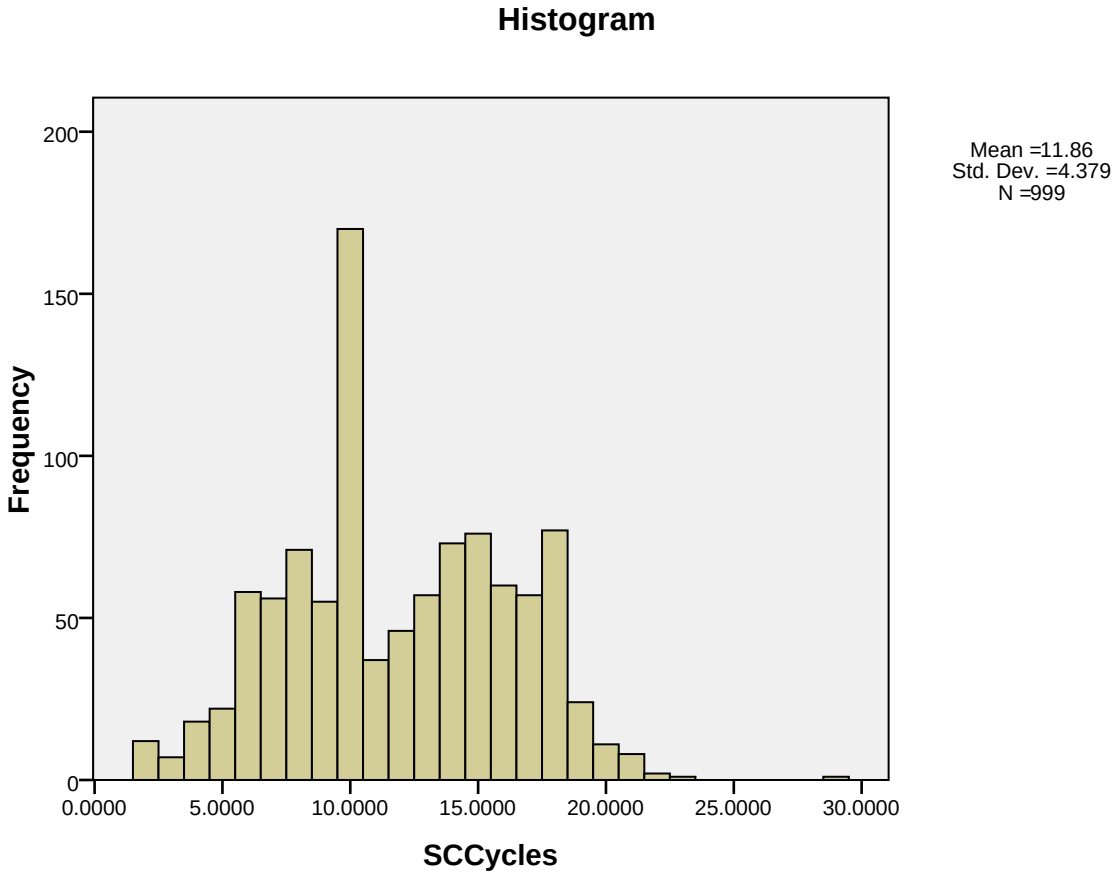
QCDOffSet


Histogram
Mean =16.43
Std. Dev. =15.227
N =999
Frequency
250
200
150
100
50
0
0.0000
20.0000
40.0000
60.0000
QCDOffSet

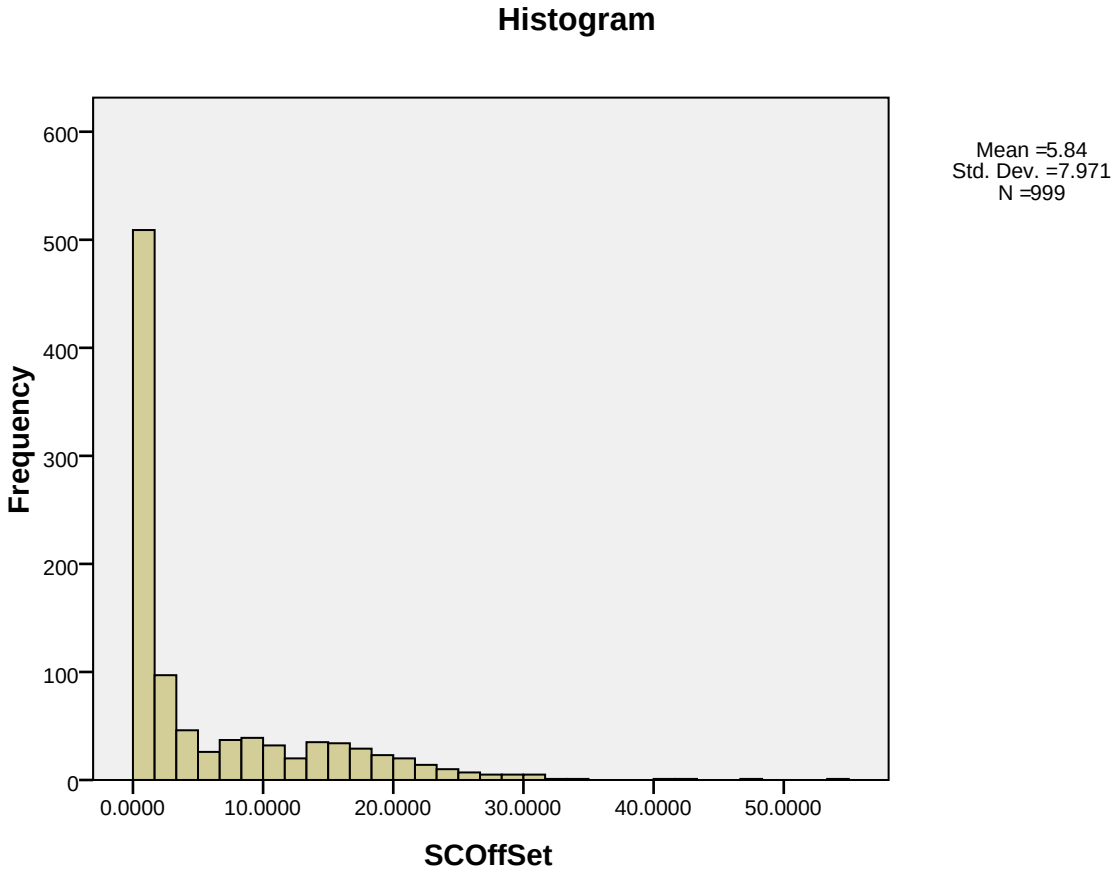
QCDTime


Histogram
Mean =219.41
Std. Dev. =57.734
N =999
Frequency
125
100
75
50
25
0
200.0000
300.0000
400.0000
500.0000
QCDTime

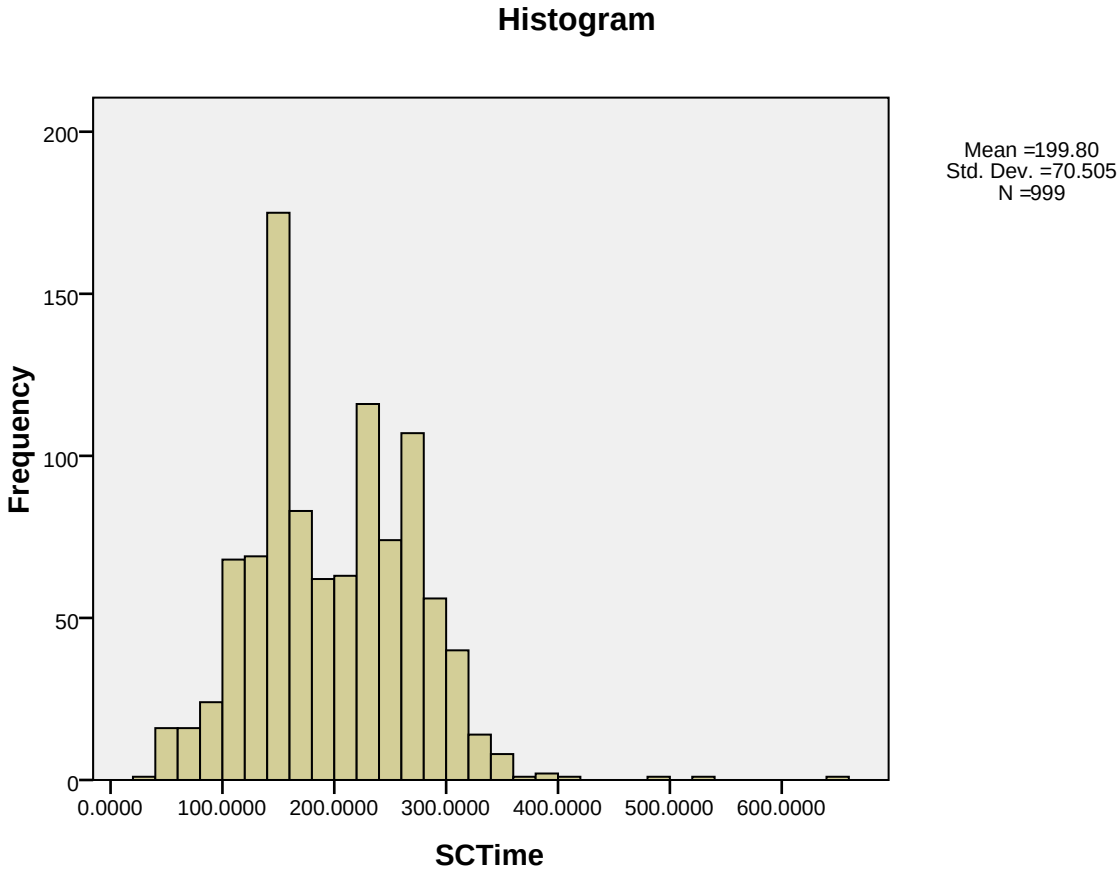
SCCycles


Histogram
Mean =11.86
Std. Dev. =4.379
N =999
Frequency
200
150
100
50
0
0.0000
5.0000
10.0000
15.0000
20.0000
25.0000
30.0000
SCCycles

SCOffSet


Histogram
Mean =5.84
Std. Dev. =7.971
N =999
Frequency
600
500
400
300
200
100
0
0.0000
10.0000
20.0000
30.0000
40.0000
50.0000
SCOffSet

SCTime




```
NPAR TESTS
  /WILCOXON=QCHSOffSet QCHSOffSet QCDOffSet WITH QCDOffSet SCOffSet SCOffSet
(PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		17-Aug-2013 13:59:20
Comments		
Input	Data	C:\Users\common\Desktop\Color Correction\QuickCorrection.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	999
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=QCHSOffSet QCHSOffSet QCDOffSet WITH QCDOffSet SCOffSet SCOffSet (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	98304

a. Based on availability of workspace memory.

```
[DataSet2] C:\Users\common\Desktop\Color Correction\QuickCorrection.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
QCDOffSet - QCHSOffSet	Negative Ranks	68[a]	172.65	11740.00
	Positive Ranks	828[b]	471.15	390116.00
	Ties	103[c]		
	Total	999		
SCOffSet - QCHSOffSet	Negative Ranks	228[d]	372.62	84958.00
	Positive Ranks	544[e]	392.32	213420.00
	Ties	227[f]		
	Total	999		
SCOffSet - QCDOffSet	Negative Ranks	825[g]	539.20	444841.00
	Positive Ranks	159[h]	250.18	39779.00
	Ties	15[i]		
	Total	999		

a. QCDOffSet < QCHSOffSet

b. QCDOffSet > QCHSOffSet

c. QCDOffSet = QCHSOffSet

d. SCOffSet < QCHSOffSet

e. SCOffSet > QCHSOffSet

f. SCOffSet = QCHSOffSet

g. SCOffSet < QCDOffSet

h. SCOffSet > QCDOffSet

i. SCOffSet = QCDOffSet

Test Statistics[c]

	QCDOffSet - QCHSOffSet	SCOffSet - QCHSOffSet	SCOffSet - QCDOffSet
Z	-24.415[a]	-10.363[a]	-22.712[b]
Asymp. Sig. (2-tailed)	.000	.000	.000

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test

```
NPAR TESTS
  /WILCOXON=QCHSTime QCHSTime QCDTime WITH QCDTime SCTime SCTime (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		17-Aug-2013 14:01:28
Comments		
Input	Data	C:\Users\common\Desktop\Color Correction\QuickCorrection.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	999
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=QCHSTime QCHSTime QCDTime WITH QCDTime SCTime SCTime (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	0:00:00.000
	Elapsed Time	0:00:00.000
	Number of Cases Allowed[a]	98304

a. Based on availability of workspace memory.

```
[DataSet2] C:\Users\common\Desktop\Color Correction\QuickCorrection.sav
```

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
QCDTime - QCHSTime	Negative Ranks	109[a]	194.28	21176.00
	Positive Ranks	882[b]	533.29	470360.00
	Ties	8[c]		
	Total	999		
SCTime - QCHSTime	Negative Ranks	255[d]	399.04	101754.50
	Positive Ranks	733[e]	527.71	386811.50
	Ties	11[f]		
	Total	999		
SCTime - QCDTime	Negative Ranks	511[g]	575.29	293971.00
	Positive Ranks	483[h]	415.20	200544.00
	Ties	5[i]		
	Total	999		

a. QCDTime < QCHSTime

b. QCDTime > QCHSTime

c. QCDTime = QCHSTime

d. SCTime < QCHSTime

e. SCTime > QCHSTime

f. SCTime = QCHSTime

g. SCTime < QCDTime

h. SCTime > QCDTime

i. SCTime = QCDTime

Test Statistics[c]

	QCDTime - QCHSTime	SCTime - QCHSTime	SCTime - QCDTime
Z	-24.920[a]	-15.887[a]	-5.160[b]
Asymp. Sig. (2-tailed)	.000	.000	.000

a. Based on negative ranks.

b. Based on positive ranks.

c. Wilcoxon Signed Ranks Test