UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.125/04/2020 16:53:43
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

foc SP

General Statistics

Total Number of Observations	10	Number of Distinct Observations	5
		Number of Missing Observations	0
Minimum	-0.022	Mean	-0.0187
Maximum	-0.017	Median	-0.0185
SD	0.00149	Std. Error of Mean	4.7258E-4
Coefficient of Variation	-0.0799	Skewness	-1.139

Normal GOF Test

Shapiro Wilk Test Statistic	0.892	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.22	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.262	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	-0.0178	95% Adjusted-CLT UCL (Chen-1995)	-0.0181
		95% Modified-t UCL (Johnson-1978)	-0.0179

Gamma Statistics Not Available

Lognormal Statistics Not Available

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	-0.0179	95% Jackknife UCL	-0.0178
95% Standard Bootstrap UCL	-0.018	95% Bootstrap-t UCL	-0.018
95% Hall's Bootstrap UCL	-0.0181	95% Percentile Bootstrap UCL	-0.018
95% BCA Bootstrap UCL	-0.0181		
90% Chebyshev(Mean, Sd) UCL	-0.0173	95% Chebyshev(Mean, Sd) UCL	-0.0166
97.5% Chebyshev(Mean, Sd) UCL	-0.0157	99% Chebyshev(Mean, Sd) UCL	-0.014

Suggested UCL to Use

95% Student's-t UCL	-0.0178		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be reliable. Chen's and Johnson's methods provide adjustments for positvely skewed data sets.

Variabile : Vento medio
Stazione : SAMASSI longitudine : 8.9195 latitudine : 39.5225

ANNO	VALORE (m/s)
2005	3.5
2006	3.6
2007	3.8
2008	3.8
2009	3.7
2010	NA
2011	NA
2012	NA
2013	3.7
2014	3.6
2015	3.6
2016	3.5
2017	NA
MIN	**3.5**