



A	B	C	D	E	F	G	H	I	J	K	L													
<b>Assuming Gamma Distribution</b>																								
53	95% Approximate Gamma UCL (use when n>=50))			8.852		95% Adjusted Gamma UCL (use when n<50)				12.06														
54																								
55																								
56	<b>Lognormal GOF Test</b>																							
57	Shapiro Wilk Test Statistic			0.689		<b>Shapiro Wilk Lognormal GOF Test</b>																		
58	5% Shapiro Wilk Critical Value			0.818		Data Not Lognormal at 5% Significance Level																		
59	Lilliefors Test Statistic			0.31		<b>Lilliefors Lognormal GOF Test</b>																		
60	5% Lilliefors Critical Value			0.283		Data Not Lognormal at 5% Significance Level																		
61	<b>Data Not Lognormal at 5% Significance Level</b>																							
62																								
63	<b>Lognormal Statistics</b>																							
64	Minimum of Logged Data			-0.667		Mean of logged Data			0.138															
65	Maximum of Logged Data			2.885		SD of logged Data			1.169															
66																								
67	<b>Assuming Lognormal Distribution</b>																							
68	95% H-UCL			12.48		90% Chebyshev (MVUE) UCL			4.564															
69	95% Chebyshev (MVUE) UCL			5.719		97.5% Chebyshev (MVUE) UCL			7.321															
70	99% Chebyshev (MVUE) UCL			10.47																				
71																								
72	<b>Nonparametric Distribution Free UCL Statistics</b>																							
73	<b>Data do not follow a Discernible Distribution (0.05)</b>																							
74																								
75	<b>Nonparametric Distribution Free UCLs</b>																							
76	95% CLT UCL			6.481		95% Jackknife UCL			7.014															
77	95% Standard Bootstrap UCL			6.407		95% Bootstrap-t UCL			55.85															
78	95% Hall's Bootstrap UCL			47.44		95% Percentile Bootstrap UCL			7.16															
79	95% BCA Bootstrap UCL			9.24																				
80	90% Chebyshev(Mean, Sd) UCL			9.376		95% Chebyshev(Mean, Sd) UCL			12.28															
81	97.5% Chebyshev(Mean, Sd) UCL			16.31		99% Chebyshev(Mean, Sd) UCL			24.23															
82																								
83	<b>Suggested UCL to Use</b>																							
84	95% Hall's Bootstrap UCL			47.44																				
85																								
86	<b>Recommended UCL exceeds the maximum observation</b>																							
87																								
88	<b>In Case Bootstrap t and/or Hall's Bootstrap yields an unreasonably large UCL value, use 97.5% or 99% Chebyshev (Mean, Sd) UCL</b>																							
89																								
90	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.																							
91	Recommendations are based upon data size, data distribution, and skewness.																							
92	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).																							
93	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.																							
94																								
95																								
96	<b>Mercury</b>																							
97																								
98	<b>General Statistics</b>																							
99	Total Number of Observations			8		Number of Distinct Observations			8															
100										Number of Missing Observations														
101				Minimum		0.00778			Mean															
102				Maximum		1.4			Median															
103				SD		0.482			Std. Error of Mean															
104				Coefficient of Variation		2.045			Skewness															







