

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.110/13/2016 3:05:20 PM								
5	From File			ProUCL input 01-007(b) 0-1, 0-5, 0-10_a.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	Chromium											
12												
13	General Statistics											
14	Total Number of Observations				34		Number of Distinct Observations				30	
15							Number of Missing Observations				0	
16	Minimum				1.33		Mean				7.298	
17	Maximum				41.1		Median				3.215	
18	SD				8.844		Std. Error of Mean				1.517	
19	Coefficient of Variation				1.212		Skewness				2.368	
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic				0.669		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk Critical Value				0.933		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic				0.263		Lilliefors GOF Test					
25	5% Lilliefors Critical Value				0.15		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL					95% UCLs (Adjusted for Skewness)						
30	95% Student's-t UCL				9.865		95% Adjusted-CLT UCL (Chen-1995)				10.45	
31							95% Modified-t UCL (Johnson-1978)				9.968	
32												
33	Gamma GOF Test											
34	A-D Test Statistic				2.037		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value				0.772		Data Not Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic				0.225		Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value				0.155		Data Not Gamma Distributed at 5% Significance Level					
38	Data Not Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)				1.183		k star (bias corrected MLE)				1.098	
42	Theta hat (MLE)				6.168		Theta star (bias corrected MLE)				6.644	
43	nu hat (MLE)				80.46		nu star (bias corrected)				74.7	
44	MLE Mean (bias corrected)				7.298		MLE Sd (bias corrected)				6.963	
45							Approximate Chi Square Value (0.05)				55.79	
46	Adjusted Level of Significance				0.0422		Adjusted Chi Square Value				54.98	
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50))				9.771		95% Adjusted Gamma UCL (use when n<50)				9.915	
50												
51	Lognormal GOF Test											
52	Shapiro Wilk Test Statistic				0.903		Shapiro Wilk Lognormal GOF Test					

	A	B	C	D	E	F	G	H	I	J	K	L	
53	5% Shapiro Wilk Critical Value					0.933	Data Not Lognormal at 5% Significance Level						
54	Lilliefors Test Statistic					0.172	Lilliefors Lognormal GOF Test						
55	5% Lilliefors Critical Value					0.15	Data Not Lognormal at 5% Significance Level						
56	Data Not Lognormal at 5% Significance Level												
57													
58	Lognormal Statistics												
59	Minimum of Logged Data					0.285	Mean of logged Data					1.509	
60	Maximum of Logged Data					3.716	SD of logged Data					0.918	
61													
62	Assuming Lognormal Distribution												
63	95% H-UCL					10.04	90% Chebyshev (MVUE) UCL					10.41	
64	95% Chebyshev (MVUE) UCL					12.06	97.5% Chebyshev (MVUE) UCL					14.34	
65	99% Chebyshev (MVUE) UCL					18.83							
66													
67	Nonparametric Distribution Free UCL Statistics												
68	Data do not follow a Discernible Distribution (0.05)												
69													
70	Nonparametric Distribution Free UCLs												
71	95% CLT UCL					9.793	95% Jackknife UCL					9.865	
72	95% Standard Bootstrap UCL					9.75	95% Bootstrap-t UCL					11.18	
73	95% Hall's Bootstrap UCL					10.97	95% Percentile Bootstrap UCL					9.863	
74	95% BCA Bootstrap UCL					10.47							
75	90% Chebyshev(Mean, Sd) UCL					11.85	95% Chebyshev(Mean, Sd) UCL					13.91	
76	97.5% Chebyshev(Mean, Sd) UCL					16.77	99% Chebyshev(Mean, Sd) UCL					22.39	
77													
78	Suggested UCL to Use												
79	95% Chebyshev (Mean, Sd) UCL					13.91							
80													
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.												
82	Recommendations are based upon data size, data distribution, and skewness.												
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).												
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.												
85													
86													
87	Nickel												
88													
89	General Statistics												
90	Total Number of Observations					34	Number of Distinct Observations					28	
91							Number of Missing Observations					0	
92	Minimum					0.504	Mean					3.253	
93	Maximum					12.7	Median					1.95	
94	SD					3.152	Std. Error of Mean					0.541	
95	Coefficient of Variation					0.969	Skewness					1.926	
96													
97	Normal GOF Test												
98	Shapiro Wilk Test Statistic					0.708	Shapiro Wilk GOF Test						
99	5% Shapiro Wilk Critical Value					0.933	Data Not Normal at 5% Significance Level						
100	Lilliefors Test Statistic					0.311	Lilliefors GOF Test						
101	5% Lilliefors Critical Value					0.15	Data Not Normal at 5% Significance Level						
102	Data Not Normal at 5% Significance Level												
103													
104	Assuming Normal Distribution												

	A	B	C	D	E	F	G	H	I	J	K	L	
105	95% Normal UCL						95% UCLs (Adjusted for Skewness)						
106	95% Student's-t UCL					4.168	95% Adjusted-CLT UCL (Chen-1995)						4.333
107							95% Modified-t UCL (Johnson-1978)						4.197
108													
109	Gamma GOF Test												
110	A-D Test Statistic					1.921	Anderson-Darling Gamma GOF Test						
111	5% A-D Critical Value					0.764	Data Not Gamma Distributed at 5% Significance Level						
112	K-S Test Statistic					0.246	Kolmogorov-Smirnov Gamma GOF Test						
113	5% K-S Critical Value					0.153	Data Not Gamma Distributed at 5% Significance Level						
114	Data Not Gamma Distributed at 5% Significance Level												
115													
116	Gamma Statistics												
117	k hat (MLE)					1.659	k star (bias corrected MLE)					1.532	
118	Theta hat (MLE)					1.961	Theta star (bias corrected MLE)					2.123	
119	nu hat (MLE)					112.8	nu star (bias corrected)					104.2	
120	MLE Mean (bias corrected)					3.253	MLE Sd (bias corrected)					2.628	
121							Approximate Chi Square Value (0.05)					81.63	
122	Adjusted Level of Significance					0.0422	Adjusted Chi Square Value					80.65	
123													
124	Assuming Gamma Distribution												
125	95% Approximate Gamma UCL (use when n>=50))					4.151	95% Adjusted Gamma UCL (use when n<50)					4.202	
126													
127	Lognormal GOF Test												
128	Shapiro Wilk Test Statistic					0.929	Shapiro Wilk Lognormal GOF Test						
129	5% Shapiro Wilk Critical Value					0.933	Data Not Lognormal at 5% Significance Level						
130	Lilliefors Test Statistic					0.19	Lilliefors Lognormal GOF Test						
131	5% Lilliefors Critical Value					0.15	Data Not Lognormal at 5% Significance Level						
132	Data Not Lognormal at 5% Significance Level												
133													
134	Lognormal Statistics												
135	Minimum of Logged Data					-0.685	Mean of logged Data					0.849	
136	Maximum of Logged Data					2.542	SD of logged Data					0.782	
137													
138	Assuming Lognormal Distribution												
139	95% H-UCL					4.279	90% Chebyshev (MVUE) UCL					4.527	
140	95% Chebyshev (MVUE) UCL					5.157	97.5% Chebyshev (MVUE) UCL					6.032	
141	99% Chebyshev (MVUE) UCL					7.75							
142													
143	Nonparametric Distribution Free UCL Statistics												
144	Data do not follow a Discernible Distribution (0.05)												
145													
146	Nonparametric Distribution Free UCLs												
147	95% CLT UCL					4.142	95% Jackknife UCL					4.168	
148	95% Standard Bootstrap UCL					4.124	95% Bootstrap-t UCL					4.445	
149	95% Hall's Bootstrap UCL					4.253	95% Percentile Bootstrap UCL					4.17	
150	95% BCA Bootstrap UCL					4.376							
151	90% Chebyshev(Mean, Sd) UCL					4.874	95% Chebyshev(Mean, Sd) UCL					5.609	
152	97.5% Chebyshev(Mean, Sd) UCL					6.628	99% Chebyshev(Mean, Sd) UCL					8.631	
153													
154	Suggested UCL to Use												
155	95% Chebyshev (Mean, Sd) UCL					5.609							
156													

	A	B	C	D	E	F	G	H	I	J	K	L
157	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
158	Recommendations are based upon data size, data distribution, and skewness.											
159	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
160	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
161												
162	Selenium											
163												
164	General Statistics											
165	Total Number of Observations				34	Number of Distinct Observations				25		
166	Number of Detects				24	Number of Non-Detects				10		
167	Number of Distinct Detects				16	Number of Distinct Non-Detects				9		
168	Minimum Detect				0.17	Minimum Non-Detect				0.54		
169	Maximum Detect				0.96	Maximum Non-Detect				3.07		
170	Variance Detects				0.0328	Percent Non-Detects				29.41%		
171	Mean Detects				0.324	SD Detects				0.181		
172	Median Detects				0.27	CV Detects				0.559		
173	Skewness Detects				2.435	Kurtosis Detects				6.689		
174	Mean of Logged Detects				-1.23	SD of Logged Detects				0.431		
175												
176	Normal GOF Test on Detects Only											
177	Shapiro Wilk Test Statistic				0.721	Shapiro Wilk GOF Test						
178	5% Shapiro Wilk Critical Value				0.916	Detected Data Not Normal at 5% Significance Level						
179	Lilliefors Test Statistic				0.235	Lilliefors GOF Test						
180	5% Lilliefors Critical Value				0.177	Detected Data Not Normal at 5% Significance Level						
181	Detected Data Not Normal at 5% Significance Level											
182												
183	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
184	KM Mean				0.321	KM Standard Error of Mean				0.0348		
185	KM SD				0.172	95% KM (BCA) UCL				0.389		
186	95% KM (t) UCL				0.379	95% KM (Percentile Bootstrap) UCL				0.382		
187	95% KM (z) UCL				0.378	95% KM Bootstrap t UCL				0.425		
188	90% KM Chebyshev UCL				0.425	95% KM Chebyshev UCL				0.472		
189	97.5% KM Chebyshev UCL				0.538	99% KM Chebyshev UCL				0.667		
190												
191	Gamma GOF Tests on Detected Observations Only											
192	A-D Test Statistic				0.963	Anderson-Darling GOF Test						
193	5% A-D Critical Value				0.746	Detected Data Not Gamma Distributed at 5% Significance Level						
194	K-S Test Statistic				0.161	Kolmogorov-Smirnov GOF						
195	5% K-S Critical Value				0.178	Detected data appear Gamma Distributed at 5% Significance Level						
196	Detected data follow Appr. Gamma Distribution at 5% Significance Level											
197												
198	Gamma Statistics on Detected Data Only											
199	k hat (MLE)				5.004	k star (bias corrected MLE)				4.406		
200	Theta hat (MLE)				0.0648	Theta star (bias corrected MLE)				0.0736		
201	nu hat (MLE)				240.2	nu star (bias corrected)				211.5		
202	Mean (detects)				0.324							
203												
204	Gamma ROS Statistics using Imputed Non-Detects											
205	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
206	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
207	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
208	This is especially true when the sample size is small.											

A	B	C	D	E	F	G	H	I	J	K	L
209	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates										
210	Minimum				0.17	Mean				0.316	
211	Maximum				0.96	Median				0.294	
212	SD				0.153	CV				0.484	
213	k hat (MLE)				6.78	k star (bias corrected MLE)				6.201	
214	Theta hat (MLE)				0.0466	Theta star (bias corrected MLE)				0.0509	
215	nu hat (MLE)				461	nu star (bias corrected)				421.7	
216	Adjusted Level of Significance (β)				0.0422						
217	Approximate Chi Square Value (421.67, α)				375.1	Adjusted Chi Square Value (421.67, β)				372.9	
218	95% Gamma Approximate UCL (use when n>=50)				0.355	95% Gamma Adjusted UCL (use when n<50)				0.357	
219											
220	Estimates of Gamma Parameters using KM Estimates										
221	Mean (KM)				0.321	SD (KM)				0.172	
222	Variance (KM)				0.0297	SE of Mean (KM)				0.0348	
223	k hat (KM)				3.46	k star (KM)				3.174	
224	nu hat (KM)				235.3	nu star (KM)				215.9	
225	theta hat (KM)				0.0926	theta star (KM)				0.101	
226	80% gamma percentile (KM)				0.454	90% gamma percentile (KM)				0.562	
227	95% gamma percentile (KM)				0.662	99% gamma percentile (KM)				0.878	
228											
229	Gamma Kaplan-Meier (KM) Statistics										
230	Approximate Chi Square Value (215.86, α)				182.9	Adjusted Chi Square Value (215.86, β)				181.4	
231	95% Gamma Approximate KM-UCL (use when n>=50)				0.378	95% Gamma Adjusted KM-UCL (use when n<50)				0.382	
232											
233	Lognormal GOF Test on Detected Observations Only										
234	Shapiro Wilk Test Statistic				0.908	Shapiro Wilk GOF Test					
235	5% Shapiro Wilk Critical Value				0.916	Detected Data Not Lognormal at 5% Significance Level					
236	Lilliefors Test Statistic				0.133	Lilliefors GOF Test					
237	5% Lilliefors Critical Value				0.177	Detected Data appear Lognormal at 5% Significance Level					
238	Detected Data appear Approximate Lognormal at 5% Significance Level										
239											
240	Lognormal ROS Statistics Using Imputed Non-Detects										
241	Mean in Original Scale				0.314	Mean in Log Scale				-1.235	
242	SD in Original Scale				0.153	SD in Log Scale				0.363	
243	95% t UCL (assumes normality of ROS data)				0.358	95% Percentile Bootstrap UCL				0.359	
244	95% BCA Bootstrap UCL				0.37	95% Bootstrap t UCL				0.391	
245	95% H-UCL (Log ROS)				0.349						
246											
247	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution										
248	KM Mean (logged)				-1.237	KM Geo Mean				0.29	
249	KM SD (logged)				0.414	95% Critical H Value (KM-Log)				1.875	
250	KM Standard Error of Mean (logged)				0.0845	95% H-UCL (KM -Log)				0.362	
251	KM SD (logged)				0.414	95% Critical H Value (KM-Log)				1.875	
252	KM Standard Error of Mean (logged)				0.0845						
253											
254	DL/2 Statistics										
255	DL/2 Normal					DL/2 Log-Transformed					
256	Mean in Original Scale				0.594	Mean in Log Scale				-0.852	
257	SD in Original Scale				0.524	SD in Log Scale				0.789	
258	95% t UCL (Assumes normality)				0.746	95% H-Stat UCL				0.789	
259	DL/2 is not a recommended method, provided for comparisons and historical reasons										
260											

	A	B	C	D	E	F	G	H	I	J	K	L
261	Nonparametric Distribution Free UCL Statistics											
262	Detected Data appear Approximate Gamma Distributed at 5% Significance Level											
263												
264	Suggested UCL to Use											
265	95% KM Adjusted Gamma UCL				0.382	95% GROS Adjusted Gamma UCL					0.357	
266												
267	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
268	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
269												
270	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
271	Recommendations are based upon data size, data distribution, and skewness.											
272	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
273	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
274												
275	Plutonium-239/240											
276												
277	General Statistics											
278	Total Number of Observations				31	Number of Distinct Observations					30	
279	Number of Detects				23	Number of Non-Detects					8	
280	Number of Distinct Detects				23	Number of Distinct Non-Detects					7	
281	Minimum Detect				0.135	Minimum Non-Detect					0.0049	
282	Maximum Detect				20.1	Maximum Non-Detect					0.224	
283	Variance Detects				32.36	Percent Non-Detects					25.81%	
284	Mean Detects				5.423	SD Detects					5.689	
285	Median Detects				3.76	CV Detects					1.049	
286	Skewness Detects				1.326	Kurtosis Detects					1.111	
287	Mean of Logged Detects				0.995	SD of Logged Detects					1.378	
288												
289	Normal GOF Test on Detects Only											
290	Shapiro Wilk Test Statistic				0.83	Shapiro Wilk GOF Test						
291	5% Shapiro Wilk Critical Value				0.914	Detected Data Not Normal at 5% Significance Level						
292	Lilliefors Test Statistic				0.176	Lilliefors GOF Test						
293	5% Lilliefors Critical Value				0.18	Detected Data appear Normal at 5% Significance Level						
294	Detected Data appear Approximate Normal at 5% Significance Level											
295												
296	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
297	KM Mean				4.026	KM Standard Error of Mean					0.982	
298	KM SD				5.346	95% KM (BCA) UCL					5.715	
299	95% KM (t) UCL				5.692	95% KM (Percentile Bootstrap) UCL					5.672	
300	95% KM (z) UCL				5.641	95% KM Bootstrap t UCL					6.138	
301	90% KM Chebyshev UCL				6.971	95% KM Chebyshev UCL					8.305	
302	97.5% KM Chebyshev UCL				10.16	99% KM Chebyshev UCL					13.79	
303												
304	Gamma GOF Tests on Detected Observations Only											
305	A-D Test Statistic				0.345	Anderson-Darling GOF Test						
306	5% A-D Critical Value				0.777	Detected data appear Gamma Distributed at 5% Significance Level						
307	K-S Test Statistic				0.139	Kolmogorov-Smirmov GOF						
308	5% K-S Critical Value				0.188	Detected data appear Gamma Distributed at 5% Significance Level						
309	Detected data appear Gamma Distributed at 5% Significance Level											
310												
311	Gamma Statistics on Detected Data Only											
312	k hat (MLE)				0.847	k star (bias corrected MLE)					0.765	

	A	B	C	D	E	F	G	H	I	J	K	L	
313	Theta hat (MLE)					6.405	Theta star (bias corrected MLE)					7.086	
314	nu hat (MLE)					38.95	nu star (bias corrected)					35.2	
315	Mean (detects)					5.423							
316													
317	Gamma ROS Statistics using Imputed Non-Detects												
318	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs												
319	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)												
320	For such situations, GROS method may yield incorrect values of UCLs and BTVs												
321	This is especially true when the sample size is small.												
322	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates												
323	Minimum					0.01	Mean					4.026	
324	Maximum					20.1	Median					1.3	
325	SD					5.434	CV					1.35	
326	k hat (MLE)					0.363	k star (bias corrected MLE)					0.349	
327	Theta hat (MLE)					11.1	Theta star (bias corrected MLE)					11.53	
328	nu hat (MLE)					22.49	nu star (bias corrected)					21.65	
329	Adjusted Level of Significance (β)					0.0413							
330	Approximate Chi Square Value (21.65, α)					12.07	Adjusted Chi Square Value (21.65, β)					11.68	
331	95% Gamma Approximate UCL (use when n>=50)					7.219	95% Gamma Adjusted UCL (use when n<50)					7.465	
332													
333	Estimates of Gamma Parameters using KM Estimates												
334	Mean (KM)					4.026	SD (KM)					5.346	
335	Variance (KM)					28.58	SE of Mean (KM)					0.982	
336	k hat (KM)					0.567	k star (KM)					0.534	
337	nu hat (KM)					35.17	nu star (KM)					33.1	
338	theta hat (KM)					7.098	theta star (KM)					7.542	
339	80% gamma percentile (KM)					6.628	90% gamma percentile (KM)					10.74	
340	95% gamma percentile (KM)					15.11	99% gamma percentile (KM)					25.78	
341													
342	Gamma Kaplan-Meier (KM) Statistics												
343	Approximate Chi Square Value (33.10, α)					20.94	Adjusted Chi Square Value (33.10, β)					20.41	
344	95% Gamma Approximate KM-UCL (use when n>=50)					6.362	95% Gamma Adjusted KM-UCL (use when n<50)					6.53	
345													
346	Lognormal GOF Test on Detected Observations Only												
347	Shapiro Wilk Test Statistic					0.951	Shapiro Wilk GOF Test						
348	5% Shapiro Wilk Critical Value					0.914	Detected Data appear Lognormal at 5% Significance Level						
349	Lilliefors Test Statistic					0.139	Lilliefors GOF Test						
350	5% Lilliefors Critical Value					0.18	Detected Data appear Lognormal at 5% Significance Level						
351	Detected Data appear Lognormal at 5% Significance Level												
352													
353	Lognormal ROS Statistics Using Imputed Non-Detects												
354	Mean in Original Scale					4.058	Mean in Log Scale					0.21	
355	SD in Original Scale					5.41	SD in Log Scale					1.799	
356	95% t UCL (assumes normality of ROS data)					5.707	95% Percentile Bootstrap UCL					5.71	
357	95% BCA Bootstrap UCL					5.986	95% Bootstrap t UCL					6.016	
358	95% H-UCL (Log ROS)					19.7							
359													
360	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution												
361	KM Mean (logged)					-0.604	KM Geo Mean					0.547	
362	KM SD (logged)					2.965	95% Critical H Value (KM-Log)					5.332	
363	KM Standard Error of Mean (logged)					0.548	95% H-UCL (KM -Log)					796.4	
364	KM SD (logged)					2.965	95% Critical H Value (KM-Log)					5.332	

	A	B	C	D	E	F	G	H	I	J	K	L	
365	KM Standard Error of Mean (logged)					0.548							
366													
367	DL/2 Statistics												
368	DL/2 Normal					DL/2 Log-Transformed							
369	Mean in Original Scale					4.033	Mean in Log Scale					-0.255	
370	SD in Original Scale					5.429	SD in Log Scale					2.518	
371	95% t UCL (Assumes normality)					5.688	95% H-Stat UCL					154	
372	DL/2 is not a recommended method, provided for comparisons and historical reasons												
373													
374	Nonparametric Distribution Free UCL Statistics												
375	Detected Data appear Approximate Normal Distributed at 5% Significance Level												
376													
377	Suggested UCL to Use												
378	95% KM (t) UCL					5.692							
379													
380	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test												
381	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL												
382													
383	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.												
384	Recommendations are based upon data size, data distribution, and skewness.												
385	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).												
386	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.												
387													