CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\comp120.mex
DATA DESCRIPTION : Pb+Zn LENGTH COMPOSITES WITH ROCK CODE 20 AT INTERVAL CENTER
DATA DESCRIPTION : comp by length rock code 20

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.000
MAXIMUM CUTOFF VALUE	:	24.661
TOTAL NUMBER OF SAMPLES USED	:	1307
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	24.661
CLASS INTERVAL	:	.525
MINIMUM POPULATION DATA POINT	:	.000
MAXIMUM POPULATION DATA POINT	:	24.661
TOTAL POPULATION	:	1307

	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	1307	
ARITHMETIC MEAN	4.5124	4.5304
MEDIAN		4.0080
GEOMETRIC MEAN	1.6954	2.7520
NATURAL LOG MEAN	.5279	1.0123
STANDARD DEVIATION	3.7630	3.7440
VARIANCE	14.1598	14.0173
COEFFICIENT OF VARIATION	.8339	.8264
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	14.1598	14.0173
MOMENT 3 ABOUT ARITHMETIC MEAN	62.2998	62.8008
MOMENT 4 ABOUT ARITHMETIC MEAN	977.4882	971.5756
MOMENT COEFFICIENT OF SKEWNESS	1.1692	1.1966
MOMENT COEFFICIENT OF KURTOSIS	4.8752	4.9448

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

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CLASS INTERVAL FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	DEC COUNT	DEC MEAN	DEC FREQ PERCENT
.00020	.52500	182	.14399	182	.14399	13.93	1307	4.51243	100.00
.525	1.050	88	.817	270	.363	20.66	1125	5.219	86.07
1.050	1.575	73	1.306	343	.564	26.24	1037	5.593	79.34
1.575	2.100	73	1.808	416	.782	31.83	964	5.917	73.76
2.100	2.625	73	2.380	489	1.021	37.41	891	6.254	68.17
2.625	3.150	59	2.861	548	1.219	41.93	818	6.600	62.59
3.150	3.675	63	3.391	611	1.443	46.75	759	6.891	58.07
3.675	4.200	67	3.956	678	1.691	51.87	696	7.207	53.25
4.200	4.725	78	4.487	756	1.979	57.84	629	7.554	48.13
4.725	5.250	74	4.961	830	2.245	63.50	551	7.988	42.16
5.250	5.775	67	5.493	897	2.488	68.63	477	8.457	36.50
5.775	6.300	63	6.065	960	2.723	73.45	410	8.942	31.37
6.300	6.825	41	6.586	1001	2.881	76.59	347	9.464	26.55
6.825	7.350	46	7.074	1047	3.065	80.11	306	9.850	23.41
7.350	7.875	49	7.634	1096	3.269	83.86	260	10.341	19.89
7.875	8.400	34	8.095	1130	3.415	86.46	211	10.970	16.14
8.400	8.925	32	8.618	1162	3.558	88.91	177	11.522	13.54
8.925	9.450	27	9.175	1189	3.685	90.97	145	12.163	11.09
9.450	9.975	17	9.697	1206	3.770	92.27	118	12.846	9.03
9.975	10.500	10	10.295	1216	3.824	93.04	101	13.376	7.73
10.500	11.025	6	10.746	1222	3.858	93.50	91	13.715	6.96
11.025	11.550	16	11.355	1238	3.955	94.72	85	13.924	6.50
11.550	12.075	12	11.773	1250	4.030	95.64	69	14.520	5.28
12.075	12.600	9	12.401	1259	4.090	96.33	57	15.098	4.36
12.600	13.125	4	12.798	1263	4.117	96.63	48	15.604	3.67
13.125	13.650	8	13.387	1271	4.175	97.25	44	15.960	3.37
13.650	14.175	6	13.880	1277	4.221	97.70	36	16.409	2.75
14.175	14.700	3	14.410	1280	4.245	97.93	30	16.915	2.30
14.700	15.225	6	15.029	1286	4.295	98.39	27	17.193	2.07
15.225	15.750	3	15.558	1289	4.321	98.62	21	17.812	1.61
15.750	16.275	2	15.960	1291	4.340	98.78	18	18.187	1.38
16.275	16.800	4	16.544	1295	4.377	99.08	16	18.466	1.22
16.800	17.325	2	16.891	1297	4.397	99.23	12	19.106	.92
17.325	17.850	1	17.623	1298	4.407	99.31	10	19.549	.77
17.850	18.375	2	17.953	1300	4.428	99.46	9	19.763	.69
18.375	18.900	3	18.479	1303	4.460	99.69	7	20.280	.54
18.900	19.425	0	.000	1303	4.460	99.69	4	21.623	.31
19.425	19.950	1	19.610	1304	4.472	99.77	4	21.623	.31
19.950	20.475	1	20.065	1305	4.483	99.85	3	22.294	.23
20.475	21.000	0	.000	1305	4.483	99.85	2	23.408	.15
21.000	21.525	0	.000	1305	4.483	99.85	2	23.408	.15
21.525	22.050	0	.000	1305	4.483	99.85	2	23.408	.15
22.050	22.575	1	22.156	1306	4.497	99.92	2	23.408	.15
22.575	23.100	0	.000	1306	4.497	99.92	1	24.661	.08
23.100	23.625	0	.000	1306	4.497	99.92	1	24.661	.08
23.625	24.150	0	.000	1306	4.497	99.92	1	24.661	.08
24.150	24.661	1	24.661	1307	4.512	100.00	1	24.661	.08

F5 - PRINT F6 - HISTOGRAM F7 - LINE GRAPH F8 - EXPORT F9 - REDO F10 - QUIT

NUM LOCK

PC-XPLOR Version :1.22 CURRAGH RESOURCES 20320 30/ 3/90 GEMCOM : 34.04

CLASS INTERVAL FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	DEC COUNT	DEC MEAN	DEC FREQ PERCENT
.00020	.52500	182	.14399	182	.14399	13.93	1307	4.51243	100.00
.525	1.050	88	.817	270	.363	20.66	1125	5.219	86.07
1.050	1.575	73	1.306	343	.564	26.24	1037	5.593	79.34
1.575	2.100	73	1.808	416	.782	31.83	964	5.917	73.76
2.100	2.625	73	2.380	489	1.021	37.41	891	6.254	68.17
2.625	3.150	59	2.861	548	1.219	41.93	818	6.600	62.59
3.150	3.675	63	3.391	611	1.443	46.75	759	6.891	58.07
3.675	4.200	67	3.956	678	1.691	51.87	696	7.207	53.25
4.200	4.725	78	4.487	756	1.979	57.84	629	7.554	48.13
4.725	5.250	74	4.961	830	2.245	63.50	551	7.988	42.16
5.250	5.775	67	5.493	897	2.488	68.63	477	8.457	36.50
5.775	6.300	63	6.065	960	2.723	73.45	410	8.942	31.37
6.300	6.825	41	6.586	1001	2.881	76.59	347	9.464	26.55
6.825	7.350	46	7.074	1047	3.065	80.11	306	9.850	23.41
7.350	7.875	49	7.634	1096	3.269	83.86	260	10.341	19.89
7.875	8.400	34	8.095	1130	3.415	86.46	211	10.970	16.14
8.400	8.925	32	8.618	1162	3.558	88.91	177	11.522	13.54
8.925	9.450	27	9.175	1189	3.685	90.97	145	12.163	11.09
9.450	9.975	17	9.697	1206	3.770	92.27	118	12.846	9.03
9.975	10.500	10	10.295	1216	3.824	93.04	101	13.376	7.73
10.500	11.025	6	10.746	1222	3.858	93.50	91	13.715	6.96
11.025	11.550	16	11.356	1238	3.955	94.72	85	13.924	6.50
11.550	12.075	12	11.773	1250	4.030	95.64	69	14.520	5.28
12.075	12.600	9	12.401	1259	4.090	96.33	57	15.098	4.36
12.600	13.125	4	12.788	1263	4.117	96.63	48	15.604	3.67
13.125	13.650	8	13.387	1271	4.175	97.25	44	15.860	3.37
13.650	14.175	6	13.880	1277	4.221	97.70	36	16.409	2.75
14.175	14.700	3	14.410	1280	4.245	97.93	30	16.915	2.30
14.700	15.225	6	15.029	1286	4.295	98.39	27	17.193	2.07
15.225	15.750	3	15.558	1289	4.321	98.62	21	17.812	1.61
15.750	16.275	2	15.960	1291	4.340	98.78	18	18.187	1.38
16.275	16.800	4	16.544	1295	4.377	99.08	16	18.466	1.22
16.800	17.325	2	16.891	1297	4.397	99.23	12	19.106	.92
17.325	17.850	1	17.623	1298	4.407	99.31	10	19.549	.77
17.850	18.375	2	17.953	1300	4.428	99.46	9	19.763	.69
18.375	18.900	3	18.490	1303	4.460	99.69	7	20.280	.54
18.900	19.425	0	.000	1303	4.460	99.69	4	21.623	.31
19.425	19.950	1	19.610	1304	4.472	99.77	4	21.623	.31
19.950	20.475	1	20.065	1305	4.483	99.85	3	22.294	.23
20.475	21.000	0	.000	1305	4.483	99.85	2	23.408	.15
21.000	21.525	0	.000	1305	4.483	99.85	2	23.408	.15
21.525	22.050	0	.000	1305	4.483	99.85	2	23.408	.15
22.050	22.575	1	22.156	1306	4.497	99.92	2	23.408	.15
22.575	23.100	0	.000	1306	4.497	99.92	1	24.661	.08
23.100	23.625	0	.000	1306	4.497	99.92	1	24.661	.08
23.625	24.150	0	.000	1306	4.497	99.92	1	24.661	.08
24.150	24.661	1	24.661	1307	4.512	100.00	1	24.661	.08

F5 - PRINT F6 - HISTOGRAM F7 - LINE GRAPH F8 - EXPORT F9 - REDO F10 - QUIT

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.00020	.52500	182	.14399	182	.14399	13.93	1307	4.51243	100.00
.525	1.050	88	.817	270	.363	20.66	1125	5.219	86.07
1.050	1.575	73	1.306	343	.564	26.24	1037	5.593	79.34
1.575	2.100	73	1.808	416	.782	31.83	964	5.917	73.76
2.100	2.625	73	2.380	489	1.021	37.41	891	6.254	68.17
2.625	3.150	59	2.861	548	1.219	41.93	818	6.600	62.59
3.150	3.675	63	3.391	611	1.443	46.75	759	6.891	58.07
3.675	4.200	67	3.956	678	1.691	51.87	696	7.207	53.25
4.200	4.725	78	4.487	756	1.979	57.84	629	7.554	48.13
4.725	5.250	74	4.961	830	2.245	63.50	551	7.988	42.16
5.250	5.775	67	5.493	897	2.488	68.63	477	8.457	36.50
5.775	6.300	63	6.065	960	2.723	73.45	410	8.942	31.37
6.300	6.825	41	6.586	1001	2.881	76.59	347	9.464	26.55
6.825	7.350	46	7.074	1047	3.065	80.11	306	9.850	23.41
7.350	7.875	49	7.634	1096	3.269	83.86	260	10.341	19.89

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CLASS INTERVAL FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	DEC COUNT	DEC MEAN	DEC FREQ PERCENT
7.350	7.875	49	7.634	1096	3.269	83.86	260	10.341	19.89
7.875	8.400	34	8.095	1130	3.415	86.46	211	10.970	16.14
8.400	8.925	32	8.618	1162	3.558	88.91	177	11.522	13.54
8.925	9.450	27	9.175	1189	3.685	90.97	145	12.163	11.09
9.450	9.975	17	9.697	1206	3.770	92.27	118	12.846	9.03
9.975	10.500	10	10.295	1216	3.824	93.04	101	13.376	7.73
10.500	11.025	6	10.746	1222	3.858	93.50	91	13.715	6.96
11.025	11.550	16	11.356	1238	3.955	94.72	85	13.924	6.50
11.550	12.075	12	11.773	1250	4.030	95.64	69	14.520	5.28
12.075	12.600	9	12.401	1259	4.090	96.33	57	15.098	4.36
12.600	13.125	4	12.788	1263	4.117	96.63	48	15.604	3.67
13.125	13.650	8	13.387	1271	4.175	97.25	44	15.860	3.37
13.650	14.175	6	13.880	1277	4.221	97.70	36	16.409	2.75
14.175	14.700	3	14.410	1280	4.245	97.93	30	16.915	2.30
14.700	15.225	6	15.029	1286	4.295	98.39	27	17.193	2.07

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CLASS INTERVAL FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	DEC COUNT	DEC MEAN	DEC FREQ PERCENT
14.700	15.225	6	15.029	1286	4.295	98.39	27	17.193	2.07
15.225	15.750	3	15.558	1289	4.321	98.62	21	17.812	1.61
15.750	16.275	2	15.960	1291	4.340	98.78	18	18.187	1.38
16.275	16.800	4	16.544	1295	4.377	99.08	16	18.466	1.22
16.800	17.325	2	16.891	1297	4.397	99.23	12	19.106	.92
17.325	17.850	1	17.623	1298	4.407	99.31	10	19.549	.77
17.850	18.375	2	17.953	1300	4.428	99.46	9	19.763	.69
18.375	18.900	3	18.490	1303	4.460	99.69	7	20.280	.54
18.900	19.425	0	.000	1303	4.460	99.69	4	21.623	.31
19.425	19.950	1	19.610	1304	4.472	99.77	4	21.623	.31
19.950	20.475	1	20.065	1305	4.483	99.85	3	22.294	.23
20.475	21.000	0	.000	1305	4.483	99.85	2	23.408	.15
21.000	21.525	0	.000	1305	4.483	99.85	2	23.408	.15
21.525	22.050	0	.000	1305	4.483	99.85	2	23.408	.15
22.050	22.575	1	22.156	1306	4.497	99.92	2	23.408	.15

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CLASS INTERVAL FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	DEC COUNT	DEC MEAN	DEC FREQ PERCENT
16.800	17.325	2	16.891	1297	4.397	99.23	12	19.106	.92
17.325	17.850	1	17.623	1298	4.407	99.31	10	19.549	.77
17.850	18.375	2	17.953	1300	4.428	99.46	9	19.763	.69
18.375	18.900	3	18.490	1303	4.460	99.69	7	20.280	.54
18.900	19.425	0	.000	1303	4.460	99.69	4	21.623	.31
19.425	19.950	1	19.610	1304	4.472	99.77	4	21.623	.31
19.950	20.475	1	20.065	1305	4.483	99.85	3	22.294	.23
20.475	21.000	0	.000	1305	4.483	99.85	2	23.408	.15
21.000	21.525	0	.000	1305	4.483	99.85	2	23.408	.15
21.525	22.050	0	.000	1305	4.483	99.85	2	23.408	.15
22.050	22.575	1	22.156	1306	4.497	99.92	2	23.408	.15
22.575	23.100	0	.000	1306	4.497	99.92	1	24.661	.08
23.100	23.625	0	.000	1306	4.497	99.92	1	24.661	.08
23.625	24.150	0	.000	1306	4.497	99.92	1	24.661	.08
24.150	24.661	1	24.661	1307	4.512	100.00	1	24.661	.08

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NUM LOCK