

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION DATA USED : Au EXTRACTION DATA FOR ROCK TYPE 40

DATA VALUES ENTERED

CLASS INTERVAL : .027  
MINIMUM HISTOGRAM VALUE : .002  
MAXIMUM HISTOGRAM VALUE : 1.342  
TOTAL NUMBER OF SAMPLES USED : 116

MINIMUM POPULATION DATA POINT : .002  
MAXIMUM POPULATION DATA POINT : 1.342  
TOTAL POPULATION : 117

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CLASSICAL STATISTICS :	UNGROUPED DATA	GROUPED DATA
TOTAL NO OF SAMPLES	116	
ARITHMETIC MEAN	.1479	.1479
MEDIAN		.0938
GEOMETRIC MEAN	.0935	.0954
NATURAL LOG MEAN	-2.3700	-2.3502
STANDARD DEVIATION	.1760	.1763
VARIANCE	.0310	.0311
COEFFICIENT OF VARIATION	1.1895	1.1915
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0310	.0311
MOMENT 3 ABOUT ARITHMETIC MEAN	.0199	.0198
MOMENT 4 ABOUT ARITHMETIC MEAN	.0198	.0195
MOMENT COEFFICIENT OF SKEWNESS	3.6591	3.6147
MOMENT COEFFICIENT OF KURTOSIS	20.6514	20.2084

HEC 116

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

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FREQUENCY DISTRIBUTIONS

CLASS INTERVAL		LESS THAN UPPER BND GREATER THAN LOWER BND									
		<--INCREMENTAL-->					>--DECREASING-->				
FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN
.00200	.02900	12	.01478	12	.01478	10.34	116	.14793	100.00		
.029	.056	13	.044	25	.030	21.55	104	.163	89.66		
.056	.083	23	.073	48	.050	41.38	91	.180	78.45		
.083	.110	25	.096	73	.066	62.93	68	.217	58.62		
.110	.137	8	.119	81	.071	69.83	43	.287	37.07		
.137	.164	5	.148	86	.076	74.14	35	.326	30.17		
.164	.191	6	.183	92	.083	79.31	30	.355	25.86		
.191	.218	6	.203	98	.090	84.48	24	.398	20.69		
.218	.245	0	.000	98	.090	84.48	18	.463	15.52		
.245	.272	1	.270	99	.092	85.34	18	.463	15.52		
.272	.299	2	.282	101	.096	87.07	17	.474	14.66		
.299	.326	4	.304	105	.104	90.52	15	.500	12.93		
.326	.353	1	.339	106	.106	91.38	11	.572	9.48		
.353	.380	3	.367	109	.113	93.97	10	.595	8.62		
.380	.407	0	.000	109	.113	93.97	7	.692	6.03		
.407	.434	1	.417	110	.116	94.83	7	.692	6.03		
.434	.461	1	.436	111	.119	95.69	6	.738	5.17		
.461	.488	1	.479	112	.122	96.55	5	.799	4.31		
.488	.515	0	.000	112	.122	96.55	4	.879	3.45		
.515	.542	0	.000	112	.122	96.55	4	.879	3.45		
.542	.569	0	.000	112	.122	96.55	4	.879	3.45		
.569	.596	0	.000	112	.122	96.55	4	.879	3.45		
.596	.623	0	.000	112	.122	96.55	4	.879	3.45		
.623	.650	0	.000	112	.122	96.55	4	.879	3.45		
.650	.677	1	.651	113	.127	97.41	4	.879	3.45		

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FREQUENCY DISTRIBUTIONS

CLASS INTERVAL		LESS THAN UPPER BND GREATER THAN LOWER BND														
		<--INCREMENTAL-->					<-----INCREASING----->					<-----DECREASING----->				
FROM	TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM PERCENT	CUM COUNT	CUM MEAN	CUM PERCENT	CUM COUNT	CUM MEAN	CUM PERCENT	CUM COUNT	CUM MEAN	CUM PERCENT	
.677	.704	0	.000	113	.127	97.41	3	.954	2.59							
.704	.731	1	.709	114	.132	98.28	3	.954	2.59							
.731	.758	0	.000	114	.132	98.28	2	1.077	1.72							
.758	.785	0	.000	114	.132	98.28	2	1.077	1.72							
.785	.812	0	.000	114	.132	98.28	2	1.077	1.72							
.812	.839	1	.838	115	.138	99.14	2	1.077	1.72							
.839	.866	0	.000	115	.138	99.14	1	1.316	.86							
.866	.893	0	.000	115	.138	99.14	1	1.316	.86							
.893	.920	0	.000	115	.138	99.14	1	1.316	.86							
.920	.947	0	.000	115	.138	99.14	1	1.316	.86							
.947	.974	0	.000	115	.138	99.14	1	1.316	.86							
.974	1.001	0	.000	115	.138	99.14	1	1.316	.86							
1.001	1.028	0	.000	115	.138	99.14	1	1.316	.86							
1.028	1.055	0	.000	115	.138	99.14	1	1.316	.86							
1.055	1.082	0	.000	115	.138	99.14	1	1.316	.86							
1.082	1.109	0	.000	115	.138	99.14	1	1.316	.86							
1.109	1.136	0	.000	115	.138	99.14	1	1.316	.86							
1.136	1.163	0	.000	115	.138	99.14	1	1.316	.86							
1.163	1.190	0	.000	115	.138	99.14	1	1.316	.86							
1.190	1.217	0	.000	115	.138	99.14	1	1.316	.86							
1.217	1.244	0	.000	115	.138	99.14	1	1.316	.86							
1.244	1.271	0	.000	115	.138	99.14	1	1.316	.86							
1.271	1.298	0	.000	115	.138	99.14	1	1.316	.86							
1.298	1.325	1	1.316	116	.148	100.00	1	1.316	.86							
1.325	1.352	0	.000	116	.148	100.00	0	1.316	.00							

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NORMAL HISTOGRAM

FREQUENCY .4310 PERCENT PER STAR

FROM	TO	4.31	8.62	12.93	17.24	21.55	25.86
.002	.029	*****					
.029	.056	*****					
.056	.083	*****					
.083	.110	*****					
.110	.137	*****					
.137	.164	*****					
.164	.191	*****					
.191	.218	*****					
.218	.245						
.245	.272	**					
.272	.299	****					
.299	.326	*****					
.326	.353	**					
.353	.380	*****					
.380	.407						
.407	.434	**					
.434	.461	**					
.461	.488	**					
.488	.515						
.515	.542						
.542	.569						
.569	.596						
.596	.623						
.623	.650						
.650	.677	**					
.677	.704						
.704	.731	**					
.731	.758						
.758	.785						
.785	.812						
.812	.839	**					
.839	.866						
.866	.893						
.893	.920						
.920	.947						
.947	.974						
.974	1.001						
1.001	1.028						
1.028	1.055						
1.055	1.082						
1.082	1.109						
1.109	1.136						

1.163	1.190
1.190	1.217
1.217	1.244
1.244	1.271
1.271	1.298
1.298	1.325**
1.325	1.352

FROM TO |-----|-----|-----|-----|-----|

5 10 15 20 25 30

.5000 COUNTS PER STAR