

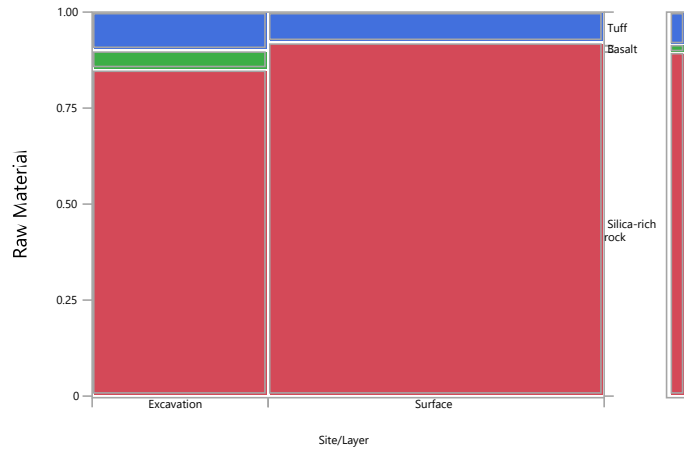
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Statistical Analyses of handaxe technological variables vs. context

Fit Group

Contingency Analysis of Raw Material By Site/Layer

Mosaic Plot



Contingency Table

Site/Layer By Raw Material

Count	Silica-rich rock-	Basalt	Tuff	Total
Row %				
Excavation	17 85.00	1 5.00	2 10.00	20
Surface	35 92.11	0 0.00	3 7.89	38
Total	52	1	5	58

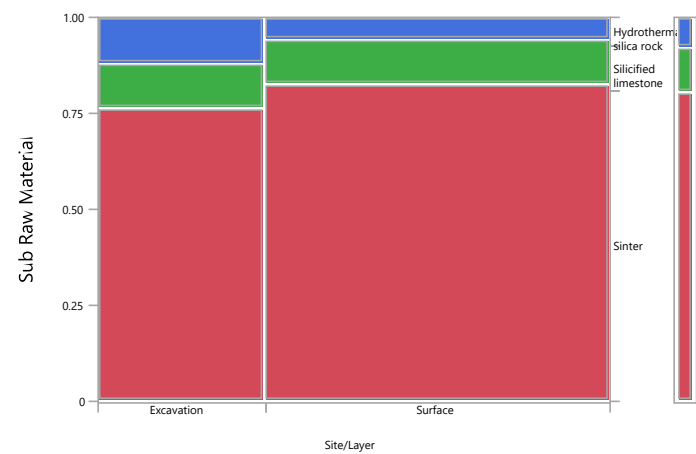
Tests

N	DF	-LogLike	RSquare (U)
58	2	1.1348524	0.0516

Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	2.270	0.3215
Pearson	2.041	0.3604

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Contingency Analysis of Sub Raw Material By Site/Layer
Mosaic Plot



Contingency Table
Site/Layer By Sub Raw Material

Count Row %	Sinter	Silicified limestone	Hydrothermal silica rock	Total
Excavation	13 76.47	2 11.76	2 11.76	17
Surface	29 82.86	4 11.43	2 5.71	35
Total	42	6	4	52

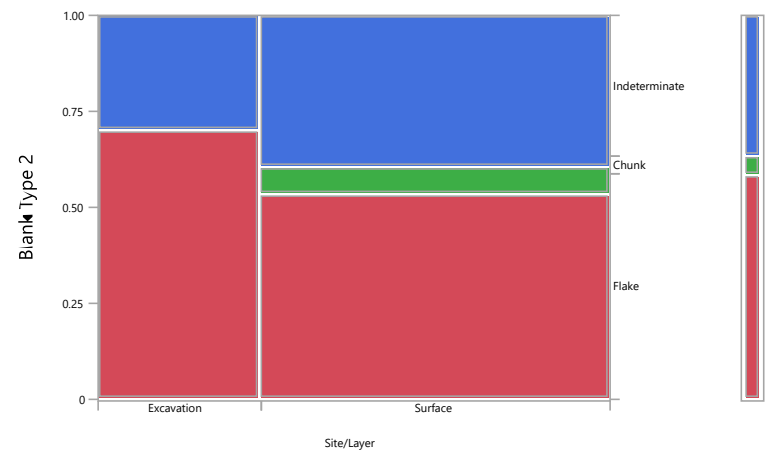
Tests

N	DF	-LogLike	RSquare (U)
52	2	0.28498738	0.0089

Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	0.570	0.7520
Pearson	0.603	0.7395

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Contingency Analysis of Blank Type 2 By Site/Layer
Mosaic Plot



Contingency Table

Site/Layer By Blank Type 2

Count	Flake	Chunk	Indeterminate	Total
Row %				
Excavation	14	0	6	20
	70.00	0.00	30.00	
Surface	23	3	17	43
	53.49	6.98	39.53	
Total	37	3	23	63

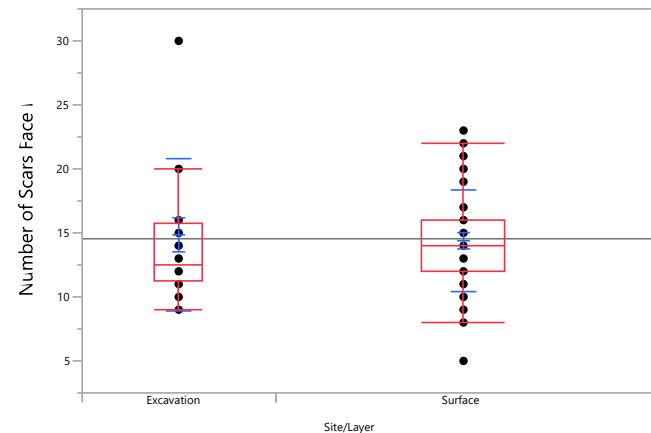
Tests

N	DF	-LogLike	RSquare (U)
63	2	1.6292608	0.0313

Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	3.259	0.1961
Pearson	2.369	0.3059

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Oneway Analysis of Number of Scars Face I By Site/Layer



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Std Dev Lower 95%	Std Dev Upper 95%
Excavation	20	14.85	5.9495688	1.330364	12.065516	17.634484	4.5245899	8.6897714
Surface	39	14.384615	3.9710491	0.6358768	13.09735	15.671881	3.2453237	5.1178016

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	20	557.000	600.000	27.8500	-0.684
Surface	39	1213.00	1170.00	31.1026	0.684

Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
557	-0.68382	0.4941

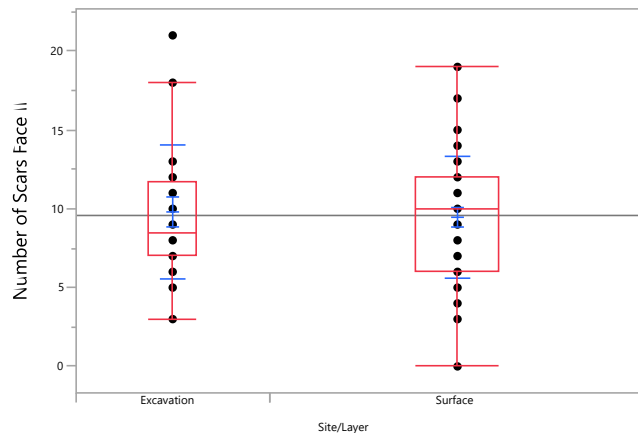
Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.4787	1	0.4890

Missing Rows 4
Excluded Rows 438

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Oneway Analysis of Number of Scars Face II By Site/Layer



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Std Dev Lower 95%	Std Dev Upper 95%
Excavation	20	9.8	4.2500774	0.9503462	7.8109025	11.789097	3.232143	6.2075425
Surface	39	9.4615385	3.8651353	0.618917	8.2086065	10.71447	3.1587661	4.9813023

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	20	592.500	600.000	29.6250	-0.113
Surface	39	1177.50	1170.00	30.1923	0.113

Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
592.5	-0.11258	0.9104

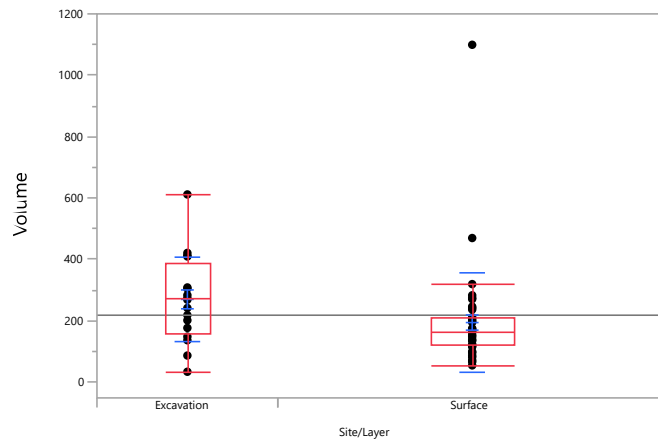
Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.0146	1	0.9040

Missing Rows 4
Excluded Rows 438

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Oneway Analysis of Volume By Site/Layer



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Std Dev Lower 95%	Std Dev Upper 95%
Excavation	20	269.11386	137.63232	30.775522	204.69995	333.52777	104.66806	201.02186
Surface	43	193.54336	162.16175	24.729436	143.63734	243.44938	133.70896	206.10929

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	20	827.000	640.000	41.3500	2.754
Surface	43	1189.00	1376.00	27.6512	-2.754

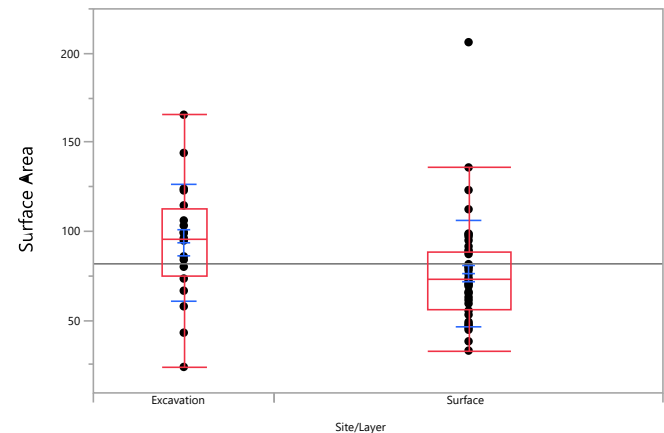
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
827	2.75379	0.0059*

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
7.6241	1	0.0058*

Oneway Analysis of Surface Area By Site/Layer



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Std Dev Lower 95%	Std Dev Upper 95%
Excavation	20	93.586375	32.835077	7.3421465	78.219086	108.95366	24.970761	47.957983
Surface	43	76.262177	29.888683	4.5579815	67.063798	85.460556	24.644436	37.988831

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	20	815.000	640.000	40.7500	2.577
Surface	43	1201.00	1376.00	27.9302	-2.577

Wilcoxon Two-Sample Test, Normal Approximation

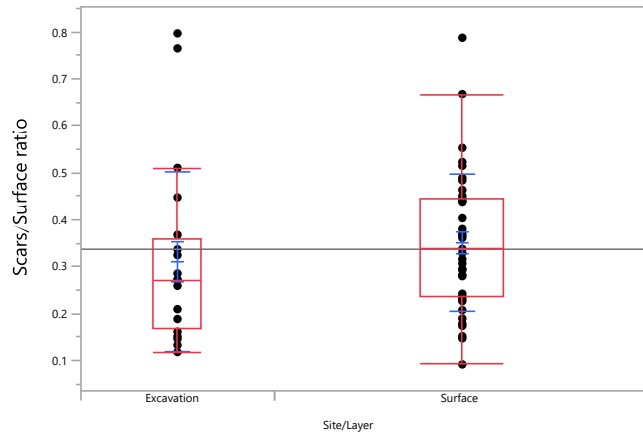
S	Z	Prob> Z
815	2.57660	0.0100*

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
6.6770	1	0.0098*

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Oneway Analysis of Scars/Surface ratio By Site/Layer



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%	Std Dev Lower 95%	Std Dev Upper 95%
Excavation	20	0.3103366	0.1914756	0.0428152	0.2207233	0.39995	0.1456153	0.2796638
Surface	39	0.3508808	0.146071	0.0233901	0.30353	0.3982315	0.1193759	0.1882531

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	20	494.000	600.000	24.7000	-1.689
Surface	39	1276.00	1170.00	32.7179	1.689

Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
494	-1.68935	0.0912

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
2.8810	1	0.0896

Missing Rows 4
Excluded Rows 438