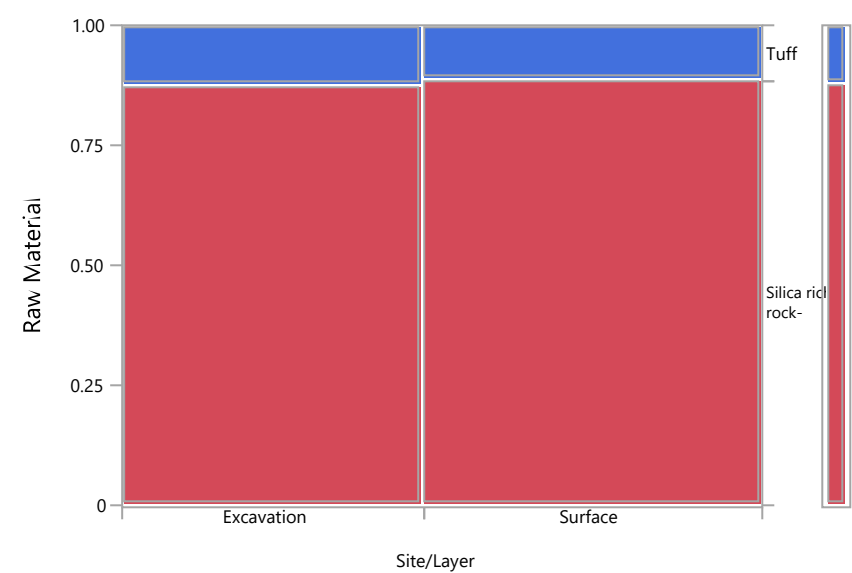


Statistical Analyses of cleaver technological variables vs. context

Fit Group

Contingency Analysis of Raw Material By Site/Layer

Mosaic Plot



Contingency Table

Site/Layer By Raw Material

Count	Silica-rich rock	Tuff	Total
Row %			
Excavation	14	2	16
	87.50	12.50	
Surface	16	2	18
	88.89	11.11	
Total	30	4	34

Tests

N	DF	-LogLike	RSquare (U)
34	1	0.00785864	0.0006

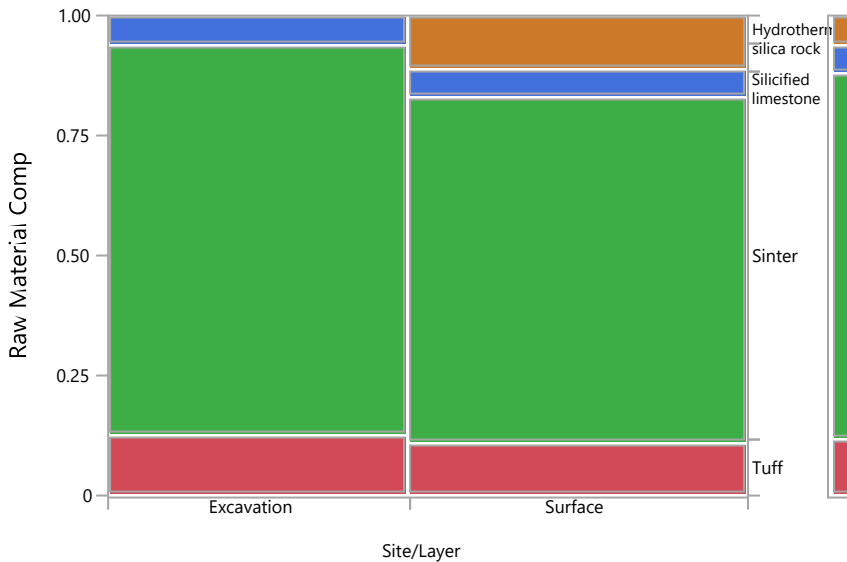
Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	0.016	0.9002
Pearson	0.016	0.9002

Fisher's Exact Test	Prob	Alternative Hypothesis
Left	0.6525	Prob(Raw Material=Tuff) is greater for Site/Layer=Excavation than Surface
Right	0.7434	Prob(Raw Material=Tuff) is greater for Site/Layer=Surface than Excavation
2-Tail	1.0000	Prob(Raw Material=Tuff) is different across Site/Layer

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 4

Contingency Analysis of Raw Material Comp By Site/Layer

Mosaic Plot



Contingency Table

Site/Layer By Raw Material Comp

Count	Tuff	Sinter	Silicified limestone	Hydrothermal silica rock	Total
Row %					
Excavation	2 12.50	13 81.25	1 6.25	0 0.00	16
Surface	2 11.11	13 72.22	1 5.56	2 11.11	18
Total	4	26	2	2	34

Tests

N	DF	-LogLike	RSquare (U)
34	3	1.3274369	0.0494

Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	2.655	0.4480
Pearson	1.889	0.5958

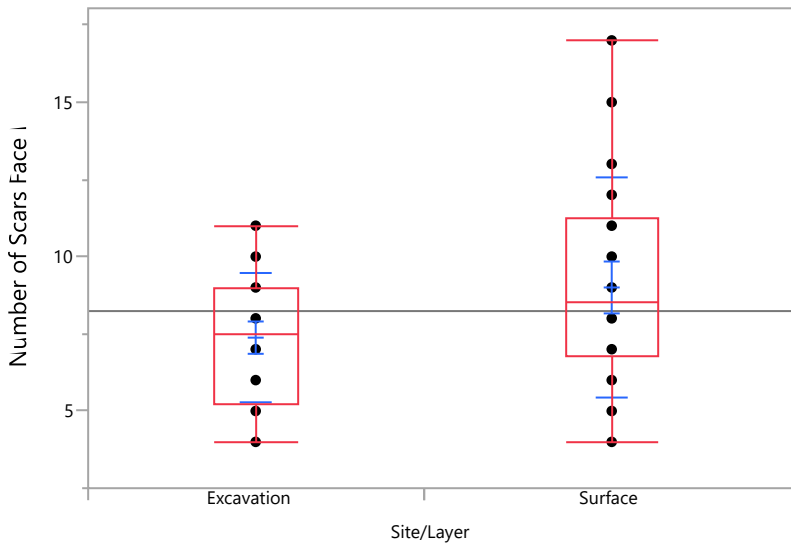
Warning: 20% of cells have expected count less than 5, ChiSquare suspect.

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 4

Warning: Average cell count less than 5, LR ChiSquare suspect.

Contingency Analysis of Blank Type 2 By Site/Layer

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	16	7.375	2.0936412	0.5234103	6.2593774	8.4906226	1.5465829	3.2403101
Surface	18	9	3.5645312	0.8401681	7.2274004	10.7726	2.67478	5.3437455

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	243.500	280.000	15.2188	-1.251
Surface	18	351.500	315.000	19.5278	1.251

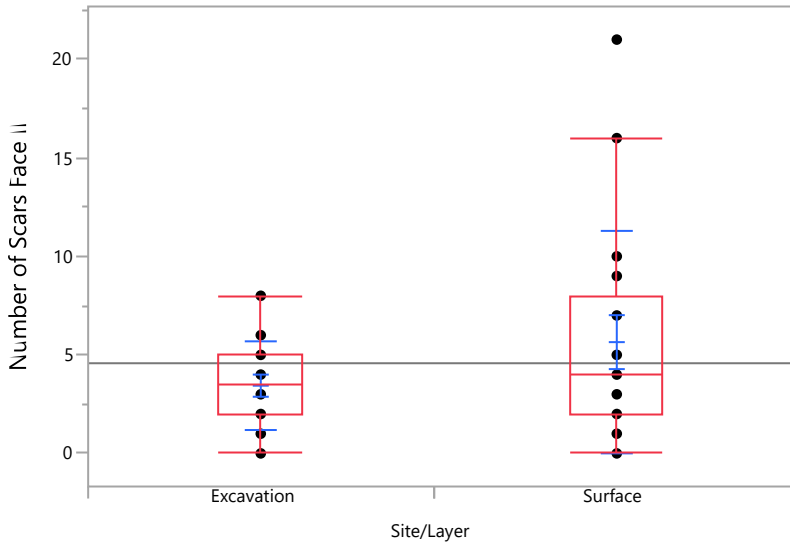
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
243.5	-1.25055	0.2111

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
1.6076	1	0.2048

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	16	3.4375	2.25	0.5625	2.2385596	4.6364404	1.6620859	3.4823053
Surface	17	5.6470588	5.6451437	1.3691484	2.7445938	8.5495239	4.2043327	8.5915076

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	249.000	272.000	15.5625	-0.816
Surface	17	312.000	289.000	18.3529	0.816

Wilcoxon Two-Sample Test, Normal Approximation

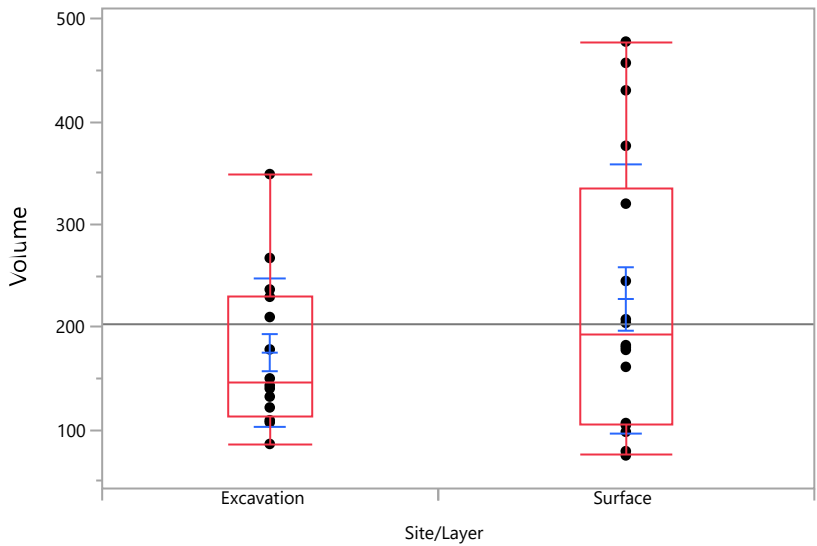
S	Z	Prob> Z
249	-0.81645	0.4142

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.6965	1	0.4039

Missing Rows 1
Excluded Rows 141

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	16	175.42005	72.290819	18.072705	136.89899	213.94111	53.401579	111.88387
Surface	18	227.70544	131.12014	30.905313	162.50093	292.90995	98.390926	196.56797

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	260.000	280.000	16.2500	-0.673
Surface	18	335.000	315.000	18.6111	0.673

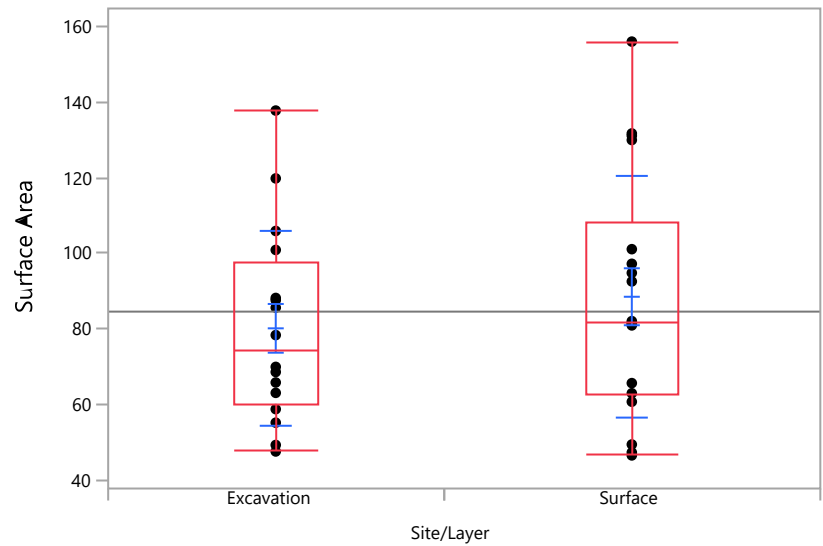
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
260	-0.67281	0.5011

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.4762	1	0.4902

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	16	80.095713	25.798944	6.4497361	66.348425	93.843	19.057806	39.9288
Surface	18	88.455189	31.998041	7.5420105	72.542938	104.36744	24.010933	47.96967

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	263.000	280.000	16.4375	-0.569
Surface	18	332.000	315.000	18.4444	0.569

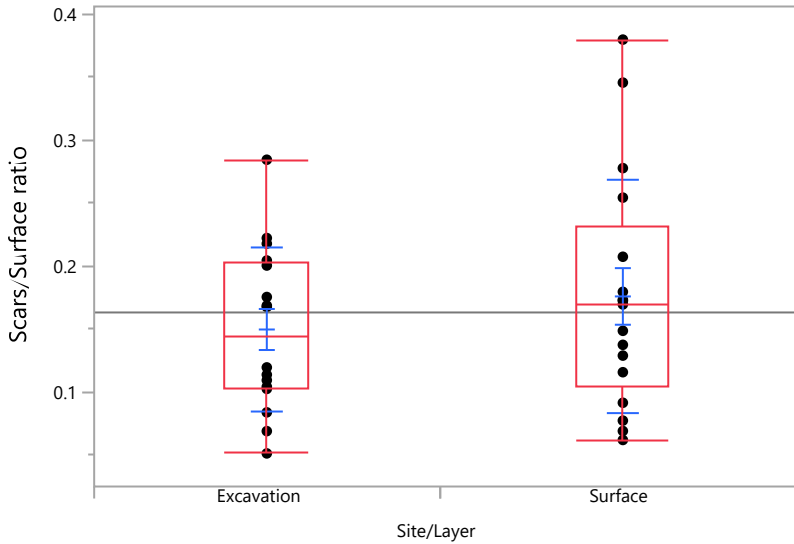
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
263	-0.56930	0.5691

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.3440	1	0.5575

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	16	0.1494215	0.0652768	0.0163192	0.1146379	0.184205	0.0482203	0.1010284
Surface	17	0.1757303	0.0928434	0.0225178	0.1279946	0.223466	0.069147	0.1413011

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	253.000	272.000	15.8125	-0.666
Surface	17	308.000	289.000	18.1176	0.666

Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
253	-0.66641	0.5052

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.4684	1	0.4937

Missing Rows 1
Excluded Rows 141