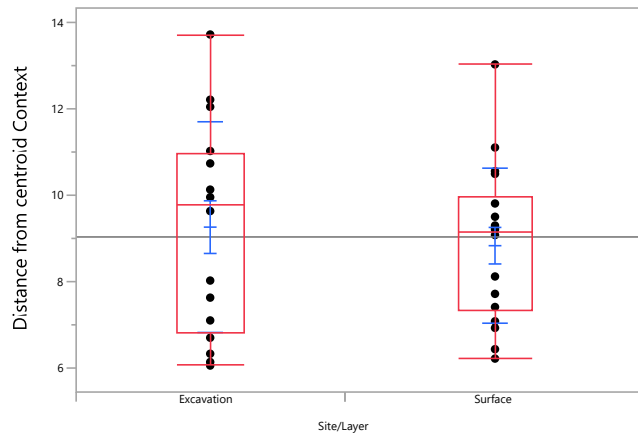


Statistical Analyses of cleaver morphological variables vs. context

Fit Group

Oneway Analysis of Distance from centroid Context 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	9.2710405	2.4404133	0.6101033	7.9706361	10.571445	1.8027452	3.7770063
Surface	18	8.8410277	1.7956605	0.4232412	7.9480667	9.7339887	1.3474414	2.6919537

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	296.000	280.000	18.5000	0.535
Surface	18	299.000	315.000	16.6111	-0.535

Wilcoxon Two-Sample Test, Normal Approximation

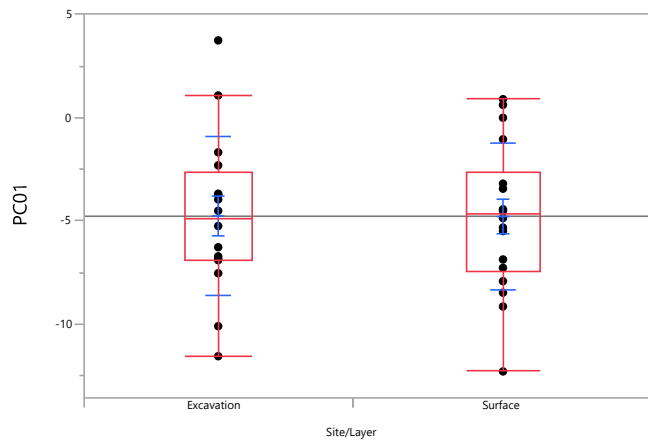
S	Z	Prob> Z
296	0.53480	0.5928

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.3048	1	0.5809

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Oneway Analysis of PC01 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	-4.765575	3.8487375	0.9621844	-6.816422	-2.714728	2.8430811	5.9566573
Surface	18	-4.791294	3.5544723	0.8377972	-6.558892	-3.023697	2.6672319	5.3286658

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	280.000	280.000	17.5000	0.000
Surface	18	315.000	315.000	17.5000	0.000

Wilcoxon Two-Sample Test, Normal Approximation

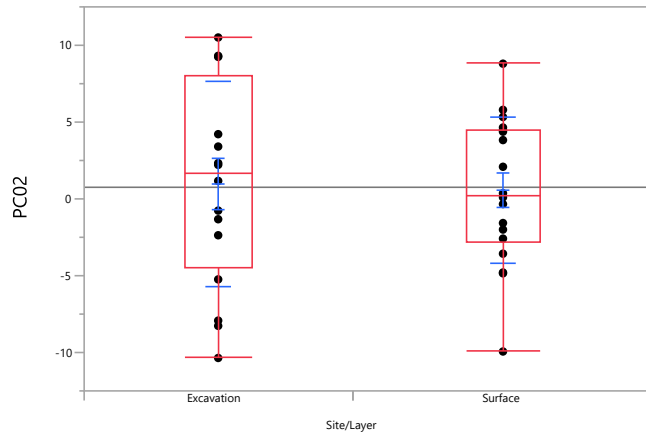
S	Z	Prob> Z
280	0.00000	1.0000

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.0000	1	1.0000

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Oneway Analysis of PC02 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	0.97025	6.6825578	1.6706394	-2.590634	4.5311337	4.9364379	10.342536
Surface	18	0.5658889	4.7577158	1.1214044	-1.800068	2.9318453	3.5701309	7.1325011

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	285.000	280.000	17.8125	0.155
Surface	18	310.000	315.000	17.2222	-0.155

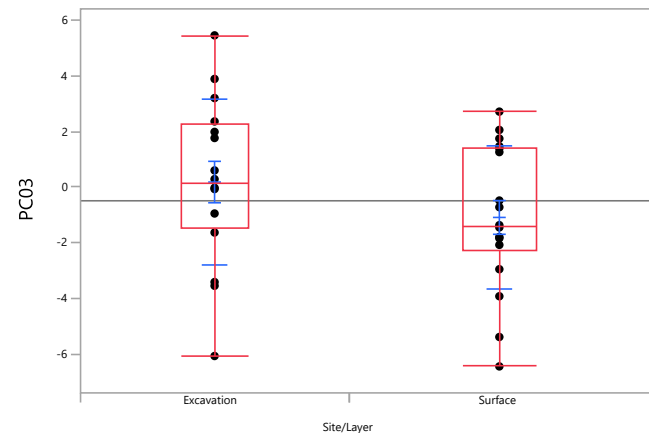
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
285	0.15526	0.8766

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.0298	1	0.8630

Oneway Analysis of PC03 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	0.1851375	2.9756853	0.7439213	-1.400493	1.7707682	2.1981531	4.6054419
Surface	18	-1.084461	2.5692272	0.6055726	-2.362108	0.1931855	1.9279162	3.8516414

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	322.000	280.000	20.1250	1.432
Surface	18	273.000	315.000	15.1667	-1.432

Wilcoxon Two-Sample Test, Normal Approximation

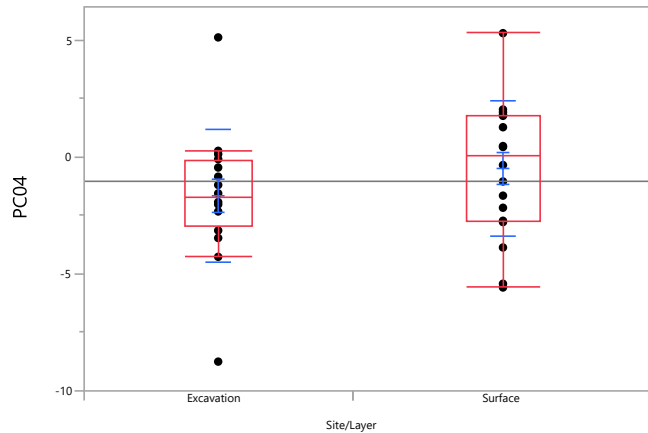
S	Z	Prob> Z
322	1.43189	0.1522

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
2.1000	1	0.1473

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Oneway Analysis of PC04 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	-1.6501	2.8409727	0.7102432	-3.163948	-0.136252	2.0986404	4.3969486
Surface	18	-0.480961	2.8962834	0.6826605	-1.921249	0.9593267	2.1733352	4.3419459

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	241.000	280.000	15.0625	-1.328
Surface	18	354.000	315.000	19.6667	1.328

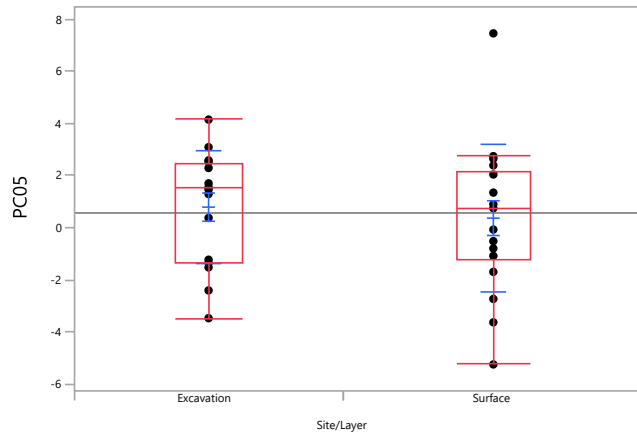
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
241	-1.32838	0.1841

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
1.8107	1	0.1784

Oneway Analysis of PC05 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	0.7856563	2.1632748	0.5408187	-0.367072	1.938384	1.5980216	3.3480814
Surface	18	0.3645389	2.8282983	0.6666363	-1.041941	1.7710185	2.1223199	4.2400264

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	302.000	280.000	18.8750	0.742
Surface	18	293.000	315.000	16.2778	-0.742

Wilcoxon Two-Sample Test, Normal Approximation

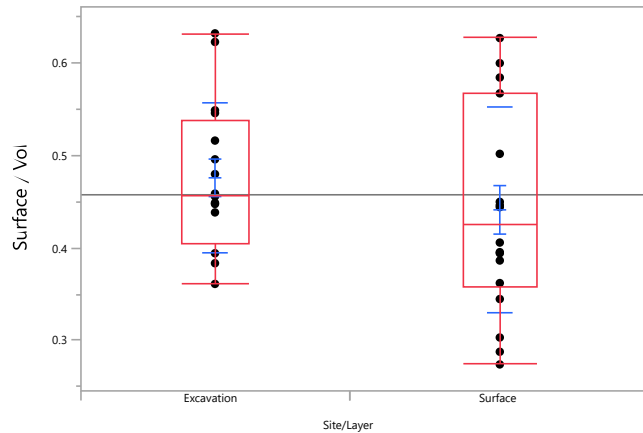
S	Z	Prob> Z
302	0.74182	0.4582

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.5762	1	0.4478

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Oneway Analysis of Surface / Vol 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	0.4758768	0.0811242	0.0202811	0.4326487	0.5191049	0.0599269	0.1255553
Surface	18	0.4412272	0.1112916	0.0262317	0.3858832	0.4965712	0.0835119	0.1668422

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	310.000	280.000	19.3750	1.018
Surface	18	285.000	315.000	15.8333	-1.018

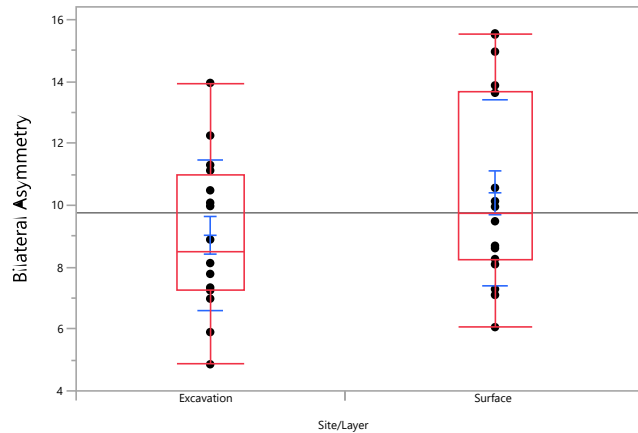
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
310	1.01785	0.3088

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
1.0714	1	0.3006

Oneway Analysis of Bilateral Asymmetry 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	9.026875	2.4326055	0.6081514	7.730631	10.323119	1.7969775	3.7649222
Surface	18	10.399444	3.0050222	0.7082905	8.9050821	11.893807	2.2549314	4.504961

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	248.000	280.000	15.5000	-1.087
Surface	18	347.000	315.000	19.2778	1.087

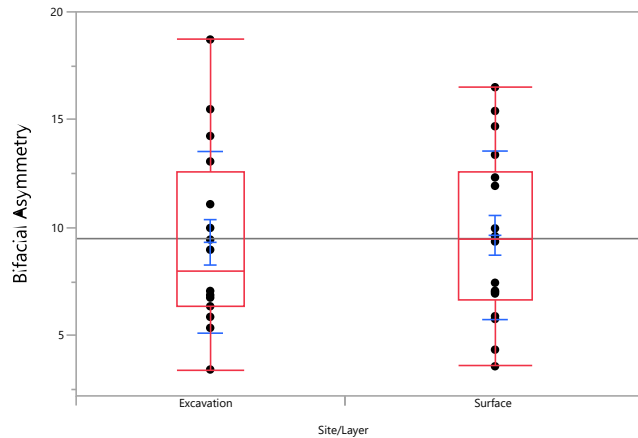
Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
248	-1.08685	0.2771

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
1.2190	1	0.2695

Oneway Analysis of Bifacial Asymmetry 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	9.3225	4.2087441	1.052186	7.0798186	11.565181	3.1090197	6.5138363
Surface	18	9.6472222	3.9047992	0.92037	7.7054113	11.589033	2.9301129	5.8538562

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	266.000	280.000	16.6250	-0.466
Surface	18	329.000	315.000	18.2778	0.466

Wilcoxon Two-Sample Test, Normal Approximation

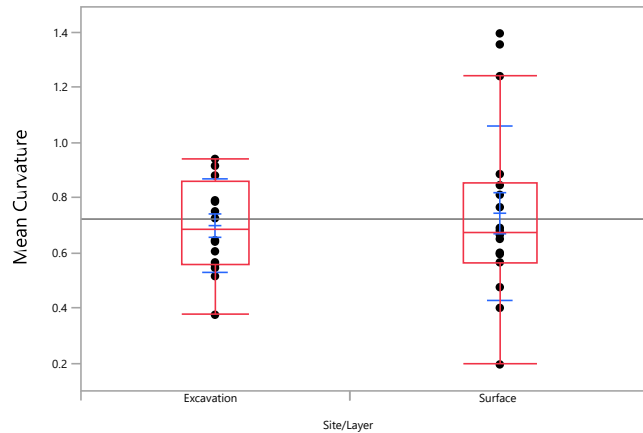
S	Z	Prob> Z
266	-0.46579	0.6414

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.2333	1	0.6291

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Oneway Analysis of Mean Curvature 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	0.698125	0.1695079	0.042377	0.6078006	0.7884494	0.1252163	0.2623458
Surface	18	0.7430556	0.316154	0.0745182	0.5858359	0.9002752	0.237238	0.4739604

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	276.000	280.000	17.2500	-0.121
Surface	18	319.000	315.000	17.7222	0.121

Wilcoxon Two-Sample Test, Normal Approximation

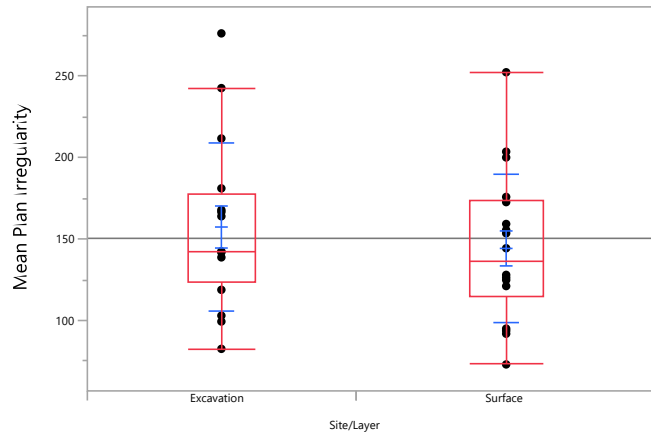
S	Z	Prob> Z
276	-0.12081	0.9038

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.0191	1	0.8902

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Oneway Analysis of Mean Plan Irregularity 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	157.41781	51.612163	12.903041	129.91563	184.91999	38.126155	79.879692
Surface	18	144.27222	45.536465	10.733048	121.62747	166.91697	34.169998	68.265718

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	300.000	280.000	18.7500	0.673
Surface	18	295.000	315.000	16.3889	-0.673

Wilcoxon Two-Sample Test, Normal Approximation

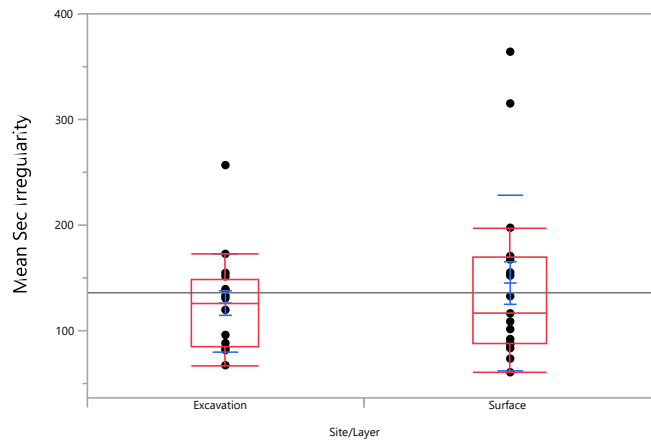
S	Z	Prob> Z
300	0.67281	0.5011

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.4762	1	0.4902

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Oneway Analysis of Mean Sec Irregularity 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	126.61154	46.419881	11.60497	101.87613	151.34695	34.290591	71.843642
Surface	17	145.5075	83.032181	20.138262	102.81629	188.19871	61.839864	126.36908

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Excavation	16	262.000	272.000	16.3750	-0.342
Surface	17	299.000	289.000	17.5882	0.342

Wilcoxon Two-Sample Test, Normal Approximation

S	Z	Prob> Z
262	-0.34221	0.7322

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
0.1298	1	0.7187

Missing Rows 1
Excluded Rows 141