

Full Permutation Summaries

1 Mean language entropy compared to between-language permutation

Test	filename	meanPerm	p	z
All segments	AllLangs_allSegments.csv	0.65	< 0.0001	-59.02
Consonants	AllLangs_Consonants_allSegments.csv	0.69	< 0.0001	-53.28
Vowels	AllLangs_Vowels_allSegments.csv	0.47	< 0.0001	-27.49
Permute within families	AllLangs_allSegments_byFamily.csv	0.61	< 0.0001	-28.84
Permute within areas	AllLangs_allSegments_byArea.csv	0.64	< 0.0001	-47.14
Permute within families and areas	AllLangs_allSegments_byAreaAndFamily.csv	0.60	< 0.0001	-24.07
Unanalysable words	AllLangs_unanalyzable_allSegments.csv	0.75	< 0.0001	-10.65
Unanalysable words, permute within families	AllLangs_unanalyzable_allSegments_byFamily.csv	0.70	< 0.0001	-4.99
Unanalysable words, permute within areas	AllLangs_unanalyzable_allSegments_byArea.csv	0.70	< 0.0001	-4.86
Unanalysable words, permute within families and areas	AllLangs_unanalyzable_allSegments_byAreaAndFamily.csv	0.69	0.0004	-3.39

Table 1: Results for wh words, all segments From results folder ../Results/SimplifiedPhonology/PermutationResults/

Test	filename	meanPerm	p	z
All segments	AllLangs_firstSegments.csv	0.78	< 0.0001	-64.49
Consonants	AllLangs_Consonants_firstSegments.csv	0.80	< 0.0001	-55.08
Vowels	AllLangs_Vowels_firstSegments.csv	0.60	< 0.0001	-30.36
Permute within families	AllLangs_firstSegment_byFamily.csv	0.57	< 0.0001	-31.29
Permute within areas	AllLangs_firstSegment_byArea.csv	0.71	< 0.0001	-52.93
Permute within families and areas	AllLangs_firstSegment_byAreaAndFamily.csv	0.54	< 0.0001	-26.65
Unanalysable words	AllLangs_unanalyzable_firstSegments.csv	0.85	< 0.0001	-15.90
Unanalysable words, permute within families	AllLangs_unanalyzable_firstSegment_byFamily.csv	0.61	< 0.0001	-4.92
Unanalysable words, permute within areas	AllLangs_unanalyzable_firstSegment_byArea.csv	0.66	< 0.0001	-7.37
Unanalysable words, permute within families and areas	AllLangs_unanalyzable_firstSegment_byAreaAndFamily.csv	0.60	< 0.0001	-5.01

Table 2: Results for wh words, first segments From results folder ../Results/SimplifiedPhonology/PermutationResults/

Test	filename	meanPerm	p	z
All segments	AllLangs_allSegments_ActionDomain.csv	0.65	< 0.0001	-37.81
First segments	AllLangs_firstSegments_ActionDomain.csv	0.83	< 0.0001	-25.63
All segments, permute within families and areas	AllLangs_allSegments_BasicActionsDomain_byFamilyAndArea.csv	0.62	< 0.0001	-14.54
First segments, permute within families and areas	AllLangs_firstSegments_BasicActionsDomain_byFamilyAndArea.csv	0.75	< 0.0001	-11.28

Table 3: Results for basic action words From results folder ../Results/SimplifiedPhonology/PermutationResults/

Test	filename	meanPerm	p	z
All segments	AllLangs_allSegments_BodyDomain.csv	0.69	< 0.0001	-37.11
First segments	AllLangs_firstSegments_BodyDomain.csv	0.85	< 0.0001	-33.08
All segments, permute within families and areas	AllLangs_allSegments_BodyDomain_byFamilyAndArea.csv	0.65	< 0.0001	-17.08
First segments, permute within families and areas	AllLangs_firstSegments_BodyDomain_byFamilyAndArea.csv	0.72	< 0.0001	-12.39

Table 4: Results for body words From results folder ../Results/SimplifiedPhonology/PermutationResults/

Test	filename	meanPerm	p	z
All segments	AllLangs_allSegments_Pronouns.csv	0.70	< 0.0001	-31.72
First segments	AllLangs_firstSegments_Pronouns.csv	0.81	< 0.0001	-24.91

Table 5: Results for pronouns From results folder ../Results/SimplifiedPhonology/PermutationResults/

2 Compare entropy of wh words to other sets of words