

Appendix A

Acoustic parameter	Posterior mean	LCI	HCI
Center of gravity	0.69	0.43	0.97
Standard deviation	1.48	1.18	1.77
Skewness	-1.14	-1.41	-0.87
Kurtosis (log)	-0.87	-1.18	-0.55
F2	0.00	-0.16	0.17
Intensity	-1.04	-1.28	-0.81
Duration	-0.21	-0.41	-0.00
Aspiration (log)	-0.33	-0.56	-0.09

Table 1: Posterior means and 95% Credible Intervals for each of the Bayesian regression models modeling the separability between /ʃ/ and /ç/ in production in the /i/ vowel context.

Acoustic parameter	Posterior mean	LCI	HCI
Center of gravity	0.65	0.38	0.91
Standard deviation	0.87	0.57	1.16
Skewness	-0.90	-1.16	-0.63
Kurtosis (log)	-0.42	-0.71	-0.12
F2	0.55	0.39	0.72
Intensity	-0.76	-0.99	-0.53
Duration	-0.08	-0.29	0.12
Aspiration (log)	-0.42	-0.65	-0.20

Table 2: Posterior means and 95% Credible Intervals for each of the Bayesian regression models modeling the separability between /ʃ/ and /ç/ in production in the /a/ vowel context.

Acoustic parameter	Posterior mean	LCI	HCI
Center of gravity	0.37	0.10	0.64
Standard deviation	0.14	-0.17	0.43
Skewness	-0.05	-0.33	0.23
Kurtosis (log)	0.70	0.39	1.02
F2	0.62	0.45	0.78
Intensity	-0.34	-0.58	-0.10
Duration	-0.08	-0.29	0.12
Aspiration (log)	-0.30	-0.54	-0.06

Table 3: Posterior means and 95% Credible Intervals for each of the Bayesian regression models modeling the separability between /ʃ/ and /ç/ in production in the /u/ vowel context.