

Appendix D

Acoustic parameter	<i>r</i> -value
Center of gravity	0.23
Standard deviation	0.69
Skewness	-0.49
Kurtosis (log)	-0.57
F2	0.22
Intensity	-0.61
Duration	0.04
Aspiration (log)	-0.12

Table 1: Correlation coefficients for the correlations between speakers’ standardized difference between /ʃ/ and /ç/ for each acoustic parameter and their accuracy score (logit) in the /i/ vowel context.

Acoustic parameter	<i>r</i> -value
Center of gravity	0.37
Standard deviation	0.45
Skewness	-0.26
Kurtosis (log)	-0.26
F2	0.29
Intensity	-0.44
Duration	0.26
Aspiration (log)	-0.29

Table 2: Correlation coefficients for the correlations between speakers’ standardized difference between /ʃ/ and /ç/ for each acoustic parameter and their accuracy score (logit) in the /a/ vowel context.

Acoustic parameter	<i>r</i> -value
Center of gravity	0.19
Standard deviation	0.23
Skewness	0.12
Kurtosis (log)	-0.16
F2	0.32
Intensity	-0.23
Duration	-0.05
Aspiration (log)	-0.24

Table 3: Correlation coefficients for the correlations between speakers' standardized difference between /ʃ/ and /ç/ for each acoustic parameter and their accuracy score (logit) in the /u/ vowel context.