

Appendix: Articulatory indices

Table 1A. Means and variability for Contact Anteriority (CA), items in the wordlist task by speaker (A1-A3 and C1-C3).

WORD	A1	A2	A3	C1	C2	C3
aN#á	0.975	0.927	0.927	0.339	0.735	0.323
áN#á	0.990	0.881	0.935	0.775	0.510	0.288
óN#ó 1	0.931	0.885	0.892	0.105	0.194	0.158
óN#ó 2	0.836	0.893	0.894	0.576	0.289	0.172
áN#ó	0.983	0.940	0.940	0.947	--	--
óN#ó 3	0.876	0.884	0.915	0.886	--	--
óN#ó 4	0.965	0.877	0.887	0.177	--	--
áN#	1.000	1.000	0.997	1.000	--	--
óN#	1.000	1.000	0.998	1.000	--	--
óN#	0.989	1.000	0.999	0.166	--	--
<i>Mean</i>	<i>0.954</i>	<i>0.929</i>	<i>0.938</i>	<i>0.597</i>	<i>0.432</i>	<i>0.235</i>
<i>Variability</i>	<i>7.0</i>	<i>8.3</i>	<i>4.3</i>	<i>74.1</i>	<i>69.3</i>	<i>94.7</i>

Table 2A. Means and variability for Quotient of Activation (Q), items in the wordlist task.

WORD	A1	A2	A3	C1	C2	C3
aN#á	0.511	0.407	0.406	0.179	0.164	0.075
áN#á	0.499	0.402	0.383	0.409	0.108	0.078
óN#ó 1	0.499	0.445	0.276	0.121	0.137	0.110
óN#ó 2	0.466	0.462	0.376	0.270	0.110	0.105
áN#ó	0.465	0.403	0.341	0.427	--	--
óN#ó 3	0.433	0.470	0.395	0.398	--	--
óN#ó 4	0.511	0.503	0.417	0.129	--	--
áN#	0.573	0.452	0.395	0.556	--	--
óN#	0.629	0.444	0.444	0.508	--	--
óN#	0.653	0.516	0.379	0.161	--	--
<i>Mean</i>	<i>0.524</i>	<i>0.450</i>	<i>0.381</i>	<i>0.316</i>	<i>0.130</i>	<i>0.092</i>
<i>Variability</i>	<i>11.5</i>	<i>12.9</i>	<i>19.7</i>	<i>60.8</i>	<i>24.2</i>	<i>30.3</i>

Table 3A. Means and variability for Duration (seconds), items in the wordlist task.

WORD	A1	A2	A3	C1	C2	C3
aN#á	0.062	0.068	0.052	0.084	0.103	0.098
áN#á	0.061	0.069	0.047	0.071	0.092	0.118
óN#ó 1	0.077	0.080	0.064	0.080	0.087	0.077
óN#ó 2	0.067	0.089	0.060	0.071	0.073	0.077
áN#ó	0.048	0.069	0.065	0.066	--	--
óN#ó 3	0.037	0.061	0.052	0.051	--	--
óN#ó 4	0.059	0.094	0.074	0.069	--	--
áN#	0.171	0.140	0.137	0.154	--	--
óN#	0.157	0.154	0.126	0.167	--	--
óN#	0.166	0.144	0.140	0.180	--	--
<i>Mean</i>	<i>0.090</i>	<i>0.097</i>	<i>0.082</i>	<i>0.083</i>	<i>0.089</i>	<i>0.093</i>
<i>Variability</i>	<i>52.1</i>	<i>29.8</i>	<i>37.3</i>	<i>35.0</i>	<i>22.1</i>	<i>26.0</i>

Table 4A. Means and variability for Contact Anteriority (CA), items in the text task.

WORD	A1	A2	A3	C1	C2	C3
óN#á	0.846	0.999	0.891	0.092	0.320	0.292
óN#é	0.901	0.866	0.936	0.263	0.201	0.173
éN#á 1	0.869	0.972	0.929	0.683	0.383	0.401
éN#á 2	0.996	0.969	0.977	0.369	0.268	0.245
íN#	0.999	0.945	0.999	0.773	0.343	0.326
<i>Mean</i>	<i>0.922</i>	<i>0.950</i>	<i>0.947</i>	<i>0.436</i>	<i>0.303</i>	<i>0.287</i>
<i>Variability</i>	<i>9.9</i>	<i>6.0</i>	<i>5.3</i>	<i>72.7</i>	<i>63.4</i>	<i>61.1</i>

Table 5A. Means and variability for Quotient of Activation (Q), items in the text task.

WORD	A1	A2	A3	C1	C2	C3
óN#á	0.430	0.543	0.425	0.102	0.091	0.086
óN#é	0.435	0.452	0.484	0.247	0.167	0.134
éN#á 1	0.409	0.511	0.457	0.371	0.167	0.161
éN#á 2	0.554	0.387	0.371	0.285	0.215	0.183
íN#	0.645	0.435	0.505	0.720	0.301	0.247
<i>Mean</i>	<i>0.495</i>	<i>0.466</i>	<i>0.448</i>	<i>0.345</i>	<i>0.188</i>	<i>0.162</i>
<i>Variability</i>	<i>21.9</i>	<i>16.3</i>	<i>13.6</i>	<i>68.2</i>	<i>42.2</i>	<i>37.4</i>

Table 6A. Means and variability for Duration (seconds), items in the text task.

<i>Word</i>	<i>A1</i>	<i>A2</i>	<i>A3</i>	<i>C1</i>	<i>C2</i>	<i>C3</i>
óN#á	0.038	0.066	0.059	0.036	0.058	0.086
óN#é	0.053	0.089	0.102	0.103	0.073	0.084
éN#á 1	0.043	0.066	0.046	0.051	0.053	0.065
éN#á 2	0.058	0.047	0.053	0.048	0.073	0.065
íN#	0.051	0.079	0.147	0.154	0.075	0.087
<i>Mean</i>	<i>0.049</i>	<i>0.069</i>	<i>0.081</i>	<i>0.078</i>	<i>0.066</i>	<i>0.077</i>
<i>Variability</i>	<i>23.6</i>	<i>26.4</i>	<i>49.5</i>	<i>59.6</i>	<i>29.8</i>	<i>20.9</i>

Table 7A. Final nasal types (alveolar/non-alveolar), and means and standard deviations (SD) for Contact Anteriority, Quotient of Activation, and Duration for speakers A3 (a) and C1 (b), items in the story task.

a.

CONTEXT		N	TYPE	CA	Q	DUR
VN#V	aN#a	1	0/1	0.887	0.194	0.040
	áN#a	1	0/1	0.872	0.145	0.057
	aN#u	1	1/0	0.917	0.387	0.053
	aN#i	1	1/0	0.999	0.419	0.059
	óN#e	3	2/1	0.826	0.339	0.069
	úN#o	1	1/0	0.995	0.452	0.060
	éN#u	3	2/1	0.919	0.403	0.072
	éN#é/e	5	4/1	0.897	0.323	0.044
	eN#i	1	1/0	0.999	0.581	0.067
	VN#	aN#	1	1/0	0.995	0.403
óN#		3	3/0	0.989	0.430	0.216
éN#		3	3/0	0.994	0.371	0.113
<i>All/mean</i>		<i>24</i>	<i>19/5</i>	<i>0.931</i>	<i>0.368</i>	<i>0.088</i>
<i>Variability</i>				<i>10.7</i>	<i>29.2</i>	<i>96.4</i>
	<i>Alv. rate</i>		<i>76%</i>			

b.

CONTEXT		N	TYPE	CA	Q	DUR
VN#V	aN#a	1	0/1	0.084	0.081	0.037
	oN#a	2	0/2	0.084	0.097	0.053
	óN#u	2	0/2	0.077	0.097	0.051
	oN#e	1	0/1	0.215	0.177	0.085
	éN#é/e	7	7/0	0.974	0.429	0.039
VN#	aN#	1	1/0	0.996	0.371	0.128
	áN#	2	1/1	0.605	0.266	0.090
	oN#	3	½	0.553	0.355	0.129
	óN#	1	1/0	0.872	0.613	0.070
	<i>All / mean</i>	20	11/9	0.609	0.311	0.068
	<i>Variability</i>			68.6	54.8	62.8
	<i>Alv. rate</i>		55%			