

## A Drehu word insertion task

Syl.	Token	English	Syl.	Token	English	Syl.	Token	English
1	Drië	cicada	3	Gumej(i)	sea urchin	4	Ijemun(e)	hand of bananas
1	Iaw	cloud	3	Jajiny(i)	girl	4	Melimala	turtle-dove
2	Jiny(i)	child	3	Drikona	deacon	4	Wanakoim	finger
2	Treng(e)	basket	3	Zanemek	tear	4	Dredrehnyima	smile
2	Uma	house	3	Manyengë	paw-paw tree	4	Zanehgala	sea shore
2	Drube	stag	3	Samala	crowbar	4	Abalala	umbrella
2	Gili	saw	3	Kumala	potato	4	Mamalama	window
2	Kuli	dog	3	Darapo	flag	4	Wanamimik	dust
2	Taim	nail	3	Tamarë	tamarind	4	Mumunage	mason-fly
2	Nenë	mother	3	Hnalapa	home	4	Medrimadra	new-born
2	Mekun	thought	3	Ajuju	spider	4	Wanamani	rain drop
2	Trauziz	trousers	3	Wanono	grated coconut	4	Wanamano	cotton
2	Mani	money	3	Kalabus	prison			
2	Biero	office	3	Agojij(e)	coral			
2	Medreng	baby	3	Wahnawa	banana			
2	Drudru	giant grasshopper	3	Igöhnë	bed			
2	Nonya	wolf spider	3	Wanalep	coal			
2	Ngöni	beach	3	Falawa	bread			
2	Wela	wale	3	Ahnahna	present			
2	Dremun	iris (pupil)	3	Manyota	manioc			
2	Guafa	guava						
2	Xenyë	phosphorescent mushroom						
2	Zianu	young coconut tree						

## B Results of statistical models

### B.1 LMM results for tonal movements

Fixed effects	Estimate	Std. Error	df	t value	Pr(>  t )	
(Intercept)	2.6262	0.7524	73.7513	3.491	0.000818	***
PositionMedial	0.3840	0.9354	408.0712	0.410	0.681657	
PositionFinal	-5.0887	1.7721	413.5947	-2.872	0.004294	**
TMovementacross	1.9844	0.7032	410.8834	2.822	0.005004	**
TMovementright	1.7171	0.7721	409.6721	2.224	0.026700	*
TMovementfalling	-3.8375	1.8837	416.4682	-2.037	0.042259	*
PositionMedial:TMovementacross	-0.9815	1.0393	411.7556	-0.944	0.345498	
PositionFinal:TMovementacross	9.1625	1.8771	412.4440	4.881	1.51e-06	***
PositionMedial:TMovementright	0.2804	1.0814	406.4883	0.259	0.795543	
PositionMedial:TMovementfalling	-4.4812	2.1636	415.1112	-2.071	0.038959	*

**B.2 LMM results for rises**

Fixed effects	Estimate	Std. Error	df	t value	Pr(>  t )	
(Intercept)	2.7705	0.6745	16.4756	4.108	0.000779	***
PositionMedial	-0.1105	0.2751	379.8398	-0.401	0.688300	
PositionFinal	4.2430	0.5847	381.7505	7.256	2.24e-12	***
Risesacross	1.7069	0.4886	385.0686	3.493	0.000532	***
Risesright	1.7919	0.5060	384.6877	3.541	0.000447	***
PrePauseYes	0.1133	0.9017	382.4646	0.126	0.900070	
PostPauseYes	0.3740	1.1016	370.9910	0.340	0.734405	
Risesacross:PrePauseYes	0.8491	0.9977	384.0372	0.851	0.395243	
Risesright:PrePauseYes	1.5877	0.9859	380.2686	1.610	0.108136	

**B.3 LMM results for word duration**

Fixed effects	Estimate	Std. Error	df	t value	Pr(>  t )	
(Intercept)	410.6011	32.8880	54.5630	12.485	< 2e-16	***
PositionMedial	17.1223	26.5353	537.9307	0.645	0.51903	
PositionFinal	151.5499	23.0836	523.3335	6.565	1.25e-10	***
number_syltwo	11.8895	29.7404	264.6468	0.400	0.68964	
number_sylthree	100.6779	30.9614	193.9496	3.252	0.00135	**
number_sylfour	218.2831	34.0339	161.5024	6.414	1.50e-09	***
PositionMedial:number_syltwo	-11.4724	29.4803	535.9650	-0.389	0.69732	
PositionFinal:number_syltwo	-3.7130	25.8301	522.6616	-0.144	0.88576	
PositionMedial:number_sylthree	24.3815	29.1357	536.2005	0.837	0.40306	
PositionFinal:number_sylthree	0.6411	25.6912	523.3428	0.025	0.98010	
PositionMedial:number_sylfour	20.3710	31.6677	533.8284	0.643	0.52032	
PositionFinal:number_sylfour	-17.8716	27.7460	524.3839	-0.644	0.51978	

#### B.4 LMM results for syllable duration excluding words co-occurring with pauses

Fixed effects	Estimate	Std. Error	df	t value	Pr(>  t )	
(Intercept)	-1.385e-01	7.283e-02	1.870e+02	-1.902	0.058733	.
labels2	8.388e-02	9.041e-02	1.203e+03	0.928	0.353698	
labels3	2.051e-01	9.041e-02	1.203e+03	2.268	0.023504	*
labelsF	1.753e-03	8.016e-02	1.258e+03	0.022	0.982559	
number_sylthree	-3.988e-01	9.531e-02	3.069e+02	-4.184	3.74e-05	***
number_sylfour	-5.671e-01	1.136e-01	2.047e+02	-4.991	1.28e-06	***
PositionMedial	1.529e-02	8.713e-02	1.226e+03	0.176	0.860684	
PositionFinal	4.262e-01	7.844e-02	1.207e+03	5.434	6.67e-08	***
labels2:number_sylthree	-2.991e-02	1.134e-01	1.206e+03	-0.264	0.791935	
labelsF:number_sylthree	2.707e-01	1.100e-01	1.249e+03	2.460	0.014028	*
labelsF:number_sylfour	3.563e-01	1.243e-01	1.234e+03	2.865	0.004239	**
labels2:PositionMedial	-1.502e-01	1.523e-01	1.199e+03	-0.986	0.324407	
labels3:PositionMedial	-8.546e-02	1.523e-01	1.199e+03	-0.561	0.574925	
labelsF:PositionMedial	3.640e-02	1.295e-01	1.210e+03	0.281	0.778683	
labels2:PositionFinal	-1.427e-01	1.340e-01	1.199e+03	-1.065	0.287053	
labels3:PositionFinal	1.925e-02	1.340e-01	1.199e+03	0.144	0.885814	
labelsF:PositionFinal	4.239e-01	1.136e-01	1.202e+03	3.733	0.000198	***
number_sylthree:PositionMedial	1.301e-01	1.209e-01	1.222e+03	1.076	0.282130	
number_sylfour:PositionMedial	1.248e-01	1.412e-01	1.211e+03	0.884	0.376709	
number_sylthree:PositionFinal	3.726e-02	1.105e-01	1.206e+03	0.337	0.736136	
number_sylfour:PositionFinal	-1.789e-01	1.250e-01	1.205e+03	-1.431	0.152564	
labels2:number_sylthree:PositionMedial	1.636e-02	1.879e-01	1.200e+03	0.087	0.930637	
labelsF:number_sylthree:PositionMedial	1.105e-01	1.768e-01	1.208e+03	0.625	0.532331	
labelsF:number_sylfour:PositionMedial	-2.331e-02	2.060e-01	1.203e+03	-0.113	0.909933	
labels2:number_sylthree:PositionFinal	-1.238e-01	1.691e-01	1.199e+03	-0.732	0.464089	
labelsF:number_sylthree:PositionFinal	-2.104e-01	1.586e-01	1.202e+03	-1.326	0.184968	
labelsF:number_sylfour:PositionFinal	-3.996e-02	1.824e-01	1.201e+03	-0.219	0.826659	

#### B.5 LMM results for syllable duration including pre- and post-pausal words

Fixed effects	Estimate	Std. Error	df	t value	Pr(>  t )	
(Intercept)	-0.43997	0.04514	98.06310	-9.747	4.26e-16	***
labels2	-0.12330	0.03491	1653.84775	-3.532	0.000424	***
labels3	0.05356	0.05164	1652.63861	1.037	0.299787	
labelsF	0.33009	0.03272	1653.67265	10.088	< 2e-16	***
PrePauseYes	0.25129	0.05592	1630.33535	4.493	7.50e-06	***
PostPauseYes	0.03343	0.05509	1643.70235	0.607	0.544087	
PositionMedial	0.07428	0.03041	1621.09471	2.443	0.014691	*
PositionFinal	0.43013	0.02936	1610.16586	14.652	< 2e-16	***
labels2:PrePauseYes	-0.12434	0.08006	1610.11876	-1.553	0.120597	
labels3:PrePauseYes	-0.10990	0.11655	1607.96658	-0.943	0.345854	
labelsF:PrePauseYes	0.14953	0.07427	1609.84893	2.013	0.044251	*