

Table S1. The GLMMs summary for the morphosyntactic cloze probability and its interaction with the individual difference factors for HSs and L2 learners. The cells with estimates in which there is a significant effect (Bonferroni correction applied) are in bold.

Predictors	WORD CLASS				CASE				GENDER				NUMBER			
	Log-Odds	SE	CI	p	Log-Odds	SE	CI	p	Log-Odds	SE	CI	p	Log-Odds	SE	CI	p
(Intercept)	3.173	0.334	2.518–3.827	<0.001	2.032	0.268	1.507–2.556	<0.001	2.704	0.348	2.022–3.387	<0.001	3.257	0.316	2.638–3.876	<0.001
Group 1 (RHSs)	0.606	0.249	0.117–1.095	0.242	0.146	0.181	–0.208–0.500	1.0	0.076	0.187	–0.290–0.442	1.0	0.188	0.223	–0.249–0.624	1.0
Age of Arrival to the USA (AoA)	0.178	0.330	–0.468–0.824	1.0	0.117	0.249	–0.371–0.605	1.0	0.121	0.244	–0.357–0.599	1.0	0.084	0.267	–0.440–0.607	1.0
Russian exposure	–0.310	0.217	–0.736–0.115	1.0	–0.188	0.167	–0.516–0.139	1.0	–0.072	0.166	–0.397–0.254	1.0	0.087	0.215	–0.335–0.509	1.0
Literacy experience	1.119	0.270	0.590–1.647	0.001	0.622	0.207	0.217–1.027	0.042	0.815	0.213	0.399–1.232	0.002	0.579	0.232	0.125–1.033	0.200
Production skills	–0.284	0.269	–0.812–244	1.0	0.210	0.211	–0.205–0.624	1.0	0.010	0.202	–0.385–0.406	1.0	0.083	0.227	–0.361–0.528	1.0
Target 1 (Adj)	–0.808	0.227	–1.25––0.363	0.006	0.054	0.208	–0.353–0.461	1.0	–0.062	0.293	–0.636–0.511	1.0	0.240	0.219	–0.190–0.669	1.0
Context 1 (High)	–0.001	0.219	–0.431–0.429	1.0	–0.043	0.208	–0.450–0.365	1.0	0.070	0.292	–0.502–0.641	1.0	–0.230	0.220	–0.660–201	1.0
Group 1 * AoA	0.128	0.331	–0.520–0.776	1.0	0.409	0.253	–0.087–0.904	1.0	0.194	0.246	–0.288–0.676	1.0	0.066	0.267	–0.457–0.589	1.0

Group 1 * Russian exposure	0.039	0.219	-0.390- 0.468	1.0	-0.070	0.169	-0.402- 0.262	1.0	0.132	0.170	-0.202- 0.466	1.0	-0.222	0.219	-0.652- 0.208	1.0
Group 1 * Literacy experience	-0.541	0.258	-1.05- -0.034	0.581	-0.512	0.202	-0.909- -0.116	0.182	-0.154	0.201	-0.547- 0.240	1.0	-0.377	0.229	-0.826- 0.072	1.0
Group 1 * production skills	0.618	0.268	0.093- 1.143	0.336	0.850	0.215	0.430- 1.271	0.001	0.249	0.203	-0.148- 0.647	1.0	0.471	0.229	0.022- 0.920	0.635
Group 1 * Target 1	0.105	0.133	-0.156- 0.366	1.0	0.105	0.095	-0.081- 0.291	1.0	0.072	0.121	-0.166- 0.309	1.0	0.237	0.145	-0.047- 0.520	1.0
Group 1 * Context 1	0.159	0.134	-0.104- 0.423	1.0	0.104	0.095	-0.083- 0.291	1.0	-0.056	0.121	-0.293- 0.180	1.0	-0.057	0.144	-0.340- 0.226	1.0
Target 1 * Context 1	-0.293	0.222	-0.728- 0.141	1.0	-0.077	0.208	-0.484- 0.330	1.0	-0.333	0.291	-0.905- 0.238	1.0	-0.546	0.221	-0.979- -0.113	0.215
Group 1 * Target 1 * Context 1	-0.210	0.134	-0.472- 0.052	1.0	0.063	0.095	-0.124- 0.250	1.0	0.143	0.121	-0.094- 0.380	1.0	-0.134	0.144	-0.417- 0.149	1.0
Random Effects																
σ^2	3.29			3.29			3.29			3.29			3.29			
τ_{00}	0.80 subject			0.46 subject			0.20 subject			0.20 subject			0.32 subject			
	1.24 SENT_ID			1.45 SENT_ID			2.34 SENT_ID			2.34 SENT_ID			1.03 SENT_ID			
N	48 SENT_ID			47 SENT_ID			40 SENT_ID			40 SENT_ID			47 SENT_ID			
	58 subject			58 subject			58 subject			58 subject			58 subject			
Observations	1317			1222			976			976			1222			
Marginal R ² /	0.284 / 0.557			0.170 / 0.475			0.128 / 0.507			0.128 / 0.507			0.204 / 0.435			

Conditional
R²

Table S2. Summary of (g)LMMs for the dependent measures for monolingual group for the target noun in Experiment 2. The cells with estimates in which there is a significant effect (Bonferroni correction applied) are in bold.

Predictors	FFD				SFD				GD				TT			
	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p
(Intercept)	5.4	0.08	5.3–5.7	<0.001	5.44	0.093	5.3–5.7	<0.001	5.6	0.102	5.3–5.8	<0.001	5.754	0.130	5.5–6.01	<0.001
Word length	0.053	0.026	0.003–0.104	0.267	0.087	0.030	0.029–0.145	0.025	0.152	0.032	0.089–0.215	<0.001	0.187	0.040	0.109–0.265	<0.001
Word frequency	–0.053	0.040	–0.132–0.026	1.0	–0.044	0.047	–0.135–0.048	1.0	–0.087	0.050	–0.186–0.012	0.603	–0.076	0.062	–0.198–0.046	1.0
Block	0.032	0.011	0.010–0.054	0.029	0.031	0.011	0.009–0.053	0.047	0.045	0.014	0.019–0.072	0.006	0.118	0.016	0.086–0.149	<0.001
Grammaticality (gram)	0.030	0.012	0.007–0.053	0.083	0.042	0.011	0.020–0.065	0.001	0.043	0.016	0.011–0.074	0.058	0.082	0.018	0.046–0.117	<0.001
Target gender (FEM)	0.008	0.017	–0.025–0.040	1.0	0.020	0.019	–0.017–0.057	1.0	0.026	0.021	–0.015–0.067	1.0	0.010	0.026	–0.040–0.060	1.0
Grammaticality * Target gender	0.015	0.012	–0.008–0.037	1.0	0.024	0.011	0.002–0.046	0.240	0.025	0.015	–0.004–0.054	0.626	0.008	0.017	–0.025–0.042	1.0
Random Effects																
σ^2	0.11				0.11				0.14				0.21			
τ_{00}	0.02 subject				0.02 subject				0.03 subject				0.09 subject			
	0.00 itemr				0.00 itemr				0.00 itemr				0.01 itemr			
τ_{11}	0.00 subject.cond1								0.00 subject.cond1				0.00 subject.cond1			

Q01	0.00 itemr.cond1	0.00 itemr.cond1	0.00 itemr.cond1
	0.47 subject	0.20 subject	0.29 subject
	0.16 itemr	0.07 itemr	0.15 itemr
Observations	1044	866	1044
Marginal R ² / Conditional R ²	0.038 / 0.175	0.060 / 0.216	0.113 / 0.304
			0.123 / 0.406

Table S3. Summary of (g)LMMs for the duration measures for RHSs group for the target noun in the Experiment 2. The cells with estimates in which there is a significant effect (Bonferroni correction applied) are in bold.

Predictors	FFD				SFD				GD				TT			
	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p
(Intercept)	5.847	0.098	5.654–6.039	<0.001	5.823	0.132	5.563–6.084	<0.001	6.774	0.249	6.286–7.262	<0.001	7.269	0.309	6.662–7.877	<0.001
Word length	–0.020	0.030	–0.078–0.039	1.0	–0.002	0.044	–0.089–0.085	1.0	0.300	0.078	0.146–0.454	0.001	0.339	0.098	0.148–0.531	0.004
Word frequency	–0.050	0.046	–0.140–0.040	1.0	–0.005	0.066	–0.134–0.125	1.0	–0.300	0.122	–0.540–0.059	0.102	–0.372	0.152	–0.671–0.073	0.104
Block	0.028	0.018	–0.007–0.064	0.829	0.035	0.024	–0.013–0.082	1.0	0.129	0.021	0.087–0.171	<0.001	0.184	0.019	0.146–0.222	<0.001
Grammaticality (gram)	0.009	0.018	–0.026–0.045	1.0	0.035	0.024	–0.012–0.082	1.0	0.001	0.021	–0.041–0.043	1.0	0.023	0.019	–0.015–0.060	1.0
Target gender (FEM)	–0.006	0.019	–0.044–0.031	1.0	0.015	0.024	–0.032–0.062	1.0	0.007	0.050	–0.092–0.105	1.0	0.025	0.063	–0.098–0.148	1.0
Grammaticality * Target gender	0.012	0.018	–0.024–0.048	1.0	0.012	0.024	–0.035–0.058	1.0	0.038	0.021	–0.004–0.080	0.544	–0.000	0.019	–0.038–0.037	1.0

Random Effects				
σ^2	0.27	0.19	0.38	0.31
τ_{00}	0.04 _{subject}	0.04 _{subject}	0.14 _{subject}	0.21 _{subject}
			0.03 _{itemr}	0.05 _{itemr}
Observations	830	366	830	830
Marginal R ² / Conditional R ²	0.004 / 0.143	0.013 / 0.191	0.161 / 0.422	0.215 / 0.581

Table S4. Summary of (g)LMMs for the duration measures for L2 learner group for the target noun in Experiment 2. The cells with estimates in which there is a significant effect (Bonferroni correction applied) are in bold.

Predictors	FFD				SFD				GD				TT			
	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p	Est.	SE	CI	p
(Intercept)	5.944	0.13 1	5.686– 6.201	<0.00 1	5.817	0.19 5	5.434– 6.200	<0.00 1	6.669	0.23 3	6.211– 7.128	<0.00 1	7.054	0.27 9	6.507– 7.601	<0.00 1
Word length	−0.02 8	0.04 3	−0.113 −0.057	1.0	0.035	0.06 4	−0.090 −0.161	1.0	0.208	0.07 7	0.056– 0.360	0.051	0.200	0.09 2	0.019– 0.382	0.213
Word frequency	−0.06 8	0.06 8	−0.201 −0.065	1.0	0.057	0.10 1	−0.142 −0.255	1.0	−0.27 7	0.12 1	−0.515 – −0.039	0.158	−0.26 3	0.14 5	−0.547 −0.020	0.481
Block	0.042	0.01 7	0.009– 0.076	0.097	0.045	0.02 2	0.001– 0.089	0.304	0.096	0.01 9	0.058– 0.133	<0.00 1	0.133	0.02 0	0.094– 0.171	<0.00 1
Grammaticalit y (gram)	0.040	0.02 4	−0.008 −0.088	0.691	0.055	0.03 3	−0.009 −0.119	0.656	0.011	0.02 7	−0.042 −0.064	1.0	0.005	0.02 9	−0.052 −0.061	1.0
Target gender (FEM)	−0.07 5	0.05 6	−0.184 −0.035	1.0	−0.07 0	0.08 1	−0.229 −0.089	1.0	−0.05 4	0.10 0	−0.250 −0.141	1.0	−0.10 6	0.11 9	−0.339 −0.127	1.0

Grammaticality * Target gender	-0.019	0.034	-0.086 -0.049	1.0	0.004	0.045	-0.084 -0.092	1.0	0.016	0.038	-0.058 -0.091	1.0	0.013	0.039	-0.063 -0.090	1.0
Random Effects																
σ^2	0.23				0.19				0.29				0.30			
τ_{00}	0.03 subject				0.06 subject				0.08 subject				0.12 subject			
	0.01 itemr				0.02 itemr				0.03 itemr				0.05 itemr			
τ_{11}													0.00 subject.cond1			
ρ_{01}													-0.11 subject			
Observations	800				415				800				800			
Marginal R ² / Conditional R ²	0.020 / 0.153				0.025 / 0.296				0.139 / 0.378				0.133 / 0.443			