

Augmented Prolific Stats

The following pages include the full statistical test result tables for the broader online study (i.e., second study) outlined in the manuscript body. This information includes the complete post hoc testing results.

Results

Repeated Measures ANOVA on Warmth

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	1.939	1.99	0.973	4.648	0.0108	0.002	0.002	0.046
Residual	Greenhouse-Geisser	40.462	193.26	0.209					
Speech	Greenhouse-Geisser	161.834	1.63	99.566	138.429	1.86e-31	0.171	0.170	0.588
Residual	Greenhouse-Geisser	113.401	157.66	0.719					
Behavior * Speech	Greenhouse-Geisser	0.656	3.56	0.184	0.622	0.6283	0.001	0.001	0.006
Residual	Greenhouse-Geisser	102.258	344.96	0.296					

Note. Type 3 Sums of Squares
[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	530	97	5.46					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison							
Speech	Speech	Mean Difference	SE	df	t	P _{tukey}	
Post Hoc Comparisons - Speech							
No Speech	- Non-explicit	-0.8821	0.0699	97.0	-12.61	3.77e-10	
	- Explicit	-0.9331	0.0705	97.0	-13.24	3.77e-10	
Non-explicit	- Explicit	-0.0510	0.0455	97.0	-1.12	0.503	

Comparison							
Behavior	Behavior	Mean Difference	SE	df	t	P	tukey
Post Hoc Comparisons - Behavior							
A	- B	-0.1088	0.0365	97.0	-2.983	0.0100	
	- C	-0.0227	0.0383	97.0	-0.592	0.8245	
B	- C	0.0862	0.0382	97.0	2.255	0.0673	

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	1.83	0.0779	1.67	1.98
Non-explicit	2.71	0.0936	2.53	2.90
Explicit	2.76	0.0879	2.59	2.94

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	2.39	0.0796	2.23	2.55
B	2.50	0.0817	2.34	2.66
C	2.41	0.0835	2.25	2.58

[4]

Repeated Measures ANOVA on Competence

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	0.322	1.93	0.167	0.811	0.442	0.000	0.000	0.008
Residual	Greenhouse-Geisser	38.548	186.77	0.206					
Speech	Greenhouse-Geisser	43.846	1.49	29.363	48.165	7.52e-14	0.048	0.048	0.332
Residual	Greenhouse-Geisser	88.302	144.85	0.610					
Behavior * Speech	Greenhouse-Geisser	0.662	3.82	0.173	0.746	0.555	0.001	0.001	0.008
Residual	Greenhouse-Geisser	86.005	370.97	0.232					

Note. Type 3 Sums of Squares
[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	657	97	6.78					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison						
Speech	Speech	Mean Difference	SE	df	t	P _{tukey}
Post Hoc Comparisons - Speech						
No Speech	- Non-explicit	-0.4983	0.0656	97.0	-7.60	4.33e-10
	- Explicit	-0.4427	0.0605	97.0	-7.32	5.93e-10
Non-explicit	- Explicit	0.0556	0.0365	97.0	1.52	0.285

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	2.63	0.0909	2.45	2.81
Non-explicit	3.12	0.0975	2.93	3.32
Explicit	3.07	0.0915	2.89	3.25

[4]

Repeated Measures ANOVA on Discomfort

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	3.43	1.94	1.766	11.18	3.14e - 5	0.007	0.006	0.103
Residual	Greenhouse-Geisser	29.79	188.63	0.158					
Speech	Greenhouse-Geisser	30.46	1.64	18.626	41.50	2.63e- 13	0.056	0.055	0.300
Residual	Greenhouse-Geisser	71.18	158.61	0.449					
Behavior * Speech	Greenhouse-Geisser	4.37	3.86	1.131	4.94	8.03e - 4	0.008	0.008	0.048
Residual	Greenhouse-Geisser	85.72	374.50	0.229					

Note. Type 3 Sums of Squares

[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	324	97	3.35					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison		Mean Difference	SE	df	t	Ptukey
Speech	Speech					
Post Hoc Comparisons - Speech						
No Speech	- Non-explicit	0.0782	0.0368	97.0	2.13	0.0900
	- Explicit	-0.3492	0.0530	97.0	-6.59	7.26e-9
Non-explicit	- Explicit	-0.4274	0.0577	97.0	-7.41	5.15e-10

Comparison		Mean Difference	SE	df	t	P _{tukey}
Behavior	Behavior					
Post Hoc Comparisons - Behavior						
A	- B	0.0850	0.0349	97.0	2.43	0.0438
	- C	0.1525	0.0313	97.0	4.88	1.24e-5
B	- C	0.0675	0.0306	97.0	2.20	0.0757

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	2.24	0.0655	2.11	2.37
Non-explicit	2.16	0.0597	2.04	2.28
Explicit	2.59	0.0776	2.43	2.74

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	2.41	0.0650	2.28	2.54
B	2.32	0.0644	2.19	2.45
C	2.26	0.0636	2.13	2.38

[4]

Repeated Measures ANOVA on IOS

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	2.90	1.95	1.493	4.04	0.0201	0.003	0.003	0.040
Residual	Greenhouse-Geisser	69.76	188.69	0.370					
Speech	Greenhouse-Geisser	47.27	1.59	29.699	25.47	7.34e-9	0.052	0.051	0.208
Residual	Greenhouse-Geisser	180.06	154.40	1.166					
Behavior * Speech	Greenhouse-Geisser	2.70	2.79	0.969	2.21	0.0922	0.003	0.003	0.022
Residual	Greenhouse-Geisser	118.63	270.22	0.439					

Note. Type 3 Sums of Squares
[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	500	97	5.16					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison							
Speech	Speech	Mean Difference	SE	df	t	P _{Tukey}	
Post Hoc Comparisons - Speech							
No Speech	- Non-explicit	-0.401	0.0606	97.0	-6.63	6.18e-9	
	- Explicit	-0.548	0.0959	97.0	-5.71	3.67e-7	
Non-explicit	- Explicit	-0.146	0.0780	97.0	-1.88	0.151	

Comparison						
Behavior	Behavior	Mean Difference	SE	df	t	P _{Tukey}
Post Hoc Comparisons - Behavior						
A	- B	-0.1395	0.0534	97.0	-2.61	0.0279
	- C	-0.0850	0.0467	97.0	-1.82	0.1682
B	- C	0.0544	0.0480	97.0	1.13	0.4962

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	1.33	0.0629	1.21	1.45
Non-explicit	1.73	0.0866	1.56	1.90
Explicit	1.88	0.1114	1.66	2.10

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	1.57	0.0799	1.41	1.73
B	1.71	0.0847	1.54	1.88
C	1.66	0.0802	1.50	1.82

[4]

Repeated Measures ANOVA on JRS

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	8.03	1.88	4.274	13.36	6.50e - 6	0.008	0.007	0.121
Residual	Greenhouse-Geisser	58.29	182.20	0.320					
Speech	Greenhouse-Geisser	109.80	1.74	63.222	47.82	1.28e- 15	0.097	0.096	0.330
Residual	Greenhouse-Geisser	222.73	168.47	1.322					
Behavior * Speech	Greenhouse-Geisser	3.75	3.56	1.051	2.94	0.0252	0.004	0.003	0.029
Residual	Greenhouse-Geisser	123.54	345.79	0.357					

Note. Type 3 Sums of Squares

[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	615	97	6.34					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison		Mean Difference	SE	df	t	P _{tukey}
Speech	Speech					
Post Hoc Comparisons - Speech						
No Speech	- Non-explicit	-0.669	0.0707	97.0	-9.47	3.77e-10
	- Explicit	-0.808	0.1011	97.0	-8.00	3.85e-10
Non-explicit	- Explicit	-0.139	0.0907	97.0	-1.53	0.280

Comparison		Mean Difference	SE	df	t	Ptukey
Behavior	Behavior					
Post Hoc Comparisons - Behavior						
A	- B	-0.233	0.0497	97.0	-4.69	2.69e-5
	- C	-0.132	0.0457	97.0	-2.90	0.0129
B	- C	0.101	0.0397	97.0	2.54	0.0336

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	2.74	0.0951	2.55	2.93
Non-explicit	3.41	0.0995	3.21	3.61
Explicit	3.55	0.1022	3.35	3.75

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	3.11	0.0919	2.93	3.30
B	3.35	0.0854	3.18	3.52
C	3.25	0.0888	3.07	3.42

[4]

Repeated Measures ANOVA on Anthropomorphism

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	3.323	2.00	1.665	6.171	0.00254	0.003	0.003	0.060
Residual	Greenhouse-Geisser	52.232	193.58	0.270					
Speech	Greenhouse-Geisser	35.772	1.71	20.884	42.511	4.37e-14	0.033	0.033	0.305
Residual	Greenhouse-Geisser	81.623	166.15	0.491					
Behavior * Speech	Greenhouse-Geisser	0.634	3.68	0.172	0.573	0.66807	0.001	0.001	0.006
Residual	Greenhouse-Geisser	107.304	357.38	0.300					

Note. Type 3 Sums of Squares

[3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	818	97	8.44					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison		Mean Difference	SE	df	t	Ptukey
Speech	Speech					
Post Hoc Comparisons - Speech						
No Speech	- Non-explicit	-0.42789	0.0502	97.0	-8.5238	3.77e-10
	- Explicit	-0.42653	0.0633	97.0	-6.7409	3.77e-9
Non-explicit	- Explicit	0.00136	0.0454	97.0	0.0300	1.000

Comparison		Mean Difference	SE	df	t	Ptukey
Behavior	Behavior					
Post Hoc Comparisons - Behavior						
A	- B	-0.1503	0.0419	97.0	-3.59	0.00152
	- C	-0.0735	0.0428	97.0	-1.72	0.20428
B	- C	0.0769	0.0436	97.0	1.76	0.18818

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	2.03	0.1025	1.82	2.23
Non-explicit	2.45	0.1062	2.24	2.66
Explicit	2.45	0.0989	2.26	2.65

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	2.24	0.0970	2.04	2.43
B	2.39	0.1040	2.18	2.59
C	2.31	0.1016	2.11	2.51

[4]

Repeated Measures ANOVA on Likeability

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Within Subjects Effects									
Behavior	Greenhouse-Geisser	7.76	1.87	4.150	9.10	2.45e - 4	0.007	0.007	0.086
Residual	Greenhouse-Geisser	82.71	181.40	0.456					
Speech	Greenhouse-Geisser	73.25	1.96	37.308	36.85	4.50e- 14	0.065	0.064	0.275
Residual	Greenhouse-Geisser	192.82	190.44	1.012					
Behavior * Speech	Greenhouse-Geisser	3.59	3.81	0.943	2.43	0.0505	0.003	0.003	0.024
Residual	Greenhouse-Geisser	143.62	369.63	0.389					

Note. Type 3 Sums of Squares [3]

	Sum of Squares	df	Mean Square	F	p	η^2_G	η^2	η^2_p
Between Subjects Effects								
Residual	632	97	6.52					

Note. Type 3 Sums of Squares

Post Hoc Tests

Comparison						
Speech	Speech	Mean Difference	SE	df	t	P _{tukey}
Post Hoc Comparisons - Speech						
No Speech	- Non-explicit	-0.6048	0.0766	97.0	-7.892	3.90e-10
	- Explicit	0.0129	0.0861	97.0	0.150	0.988
Non-explicit	- Explicit	0.6177	0.0836	97.0	7.387	5.34e-10

Comparison							
Behavior	Behavior	Mean Difference	SE	df	t	P _{tukey}	
Post Hoc Comparisons - Behavior							
A	- B	-0.2197	0.0528	97.0	-4.16	2.03e-4	
	- C	-0.1680	0.0601	97.0	-2.80	0.0170	
B	- C	0.0517	0.0479	97.0	1.08	0.5298	

[4]

Estimated Marginal Means

Speech

Speech	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Speech				
No Speech	3.29	0.0998	3.09	3.49
Non-explicit	3.89	0.0946	3.70	4.08
Explicit	3.27	0.1002	3.08	3.47

Behavior

Behavior	Mean	SE	95% Confidence Interval	
			Lower	Upper
Estimated Marginal Means - Behavior				
A	3.36	0.0870	3.18	3.53
B	3.58	0.0918	3.39	3.76
C	3.52	0.0952	3.33	3.71

[4]

References

[1] The jamovi project (2024). *jamovi*. (Version 2.6) [Computer Software]. Retrieved from <https://www.jamovi.org>.

[2] R Core Team (2024). *R: A Language and environment for statistical computing*. (Version 4.4) [Computer software]. Retrieved from <https://cran.r-project.org>. (R packages retrieved from CRAN snapshot 2024-08-07).

[3] Singmann, H. (2023). *afex: Analysis of Factorial Experiments*. [R package]. Retrieved from <https://cran.r-project.org/package=afex>.

[4] Lenth, R. (2023). *emmeans: Estimated Marginal Means, aka Least-Squares Means*. [R package]. Retrieved from <https://cran.r-project.org/package=emmeans>.