

Instructions

Models

Pos models (EnLevel): Statistics of LMM and GLMM models for positive words, with English proficiency coded as a categorical variable

Neg models (EnLevel): Statistics of LMM and GLMM models for negative words, with English proficiency coded as a categorical variable

Pos BDI (EnLevel): Statistics of the separate model with the inclusion of BDI scores as an additional fixed effect for positive words

Pos STAI (EnLevel): Statistics of the separate model with the inclusion of STAI scores as an additional fixed effect for positive words

Neg BDI (EnLevel): Statistics of the separate model with the inclusion of BDI scores as an additional fixed effect for negative words

Neg STAI (EnLevel): Statistics of the separate model with the inclusion of STAI scores as an additional fixed effect for negative words

Pos models (EnAverage): Statistics of LMM and GLMM models for positive words, with English proficiency coded as a continuous variable

Neg models (EnAverage): Statistics of LMM and GLMM models for negative words, with English proficiency coded as a continuous variable

Abbreviations

Pos: positive words

Neg: negative words

EnLevel: English proficiency levels

EnAverage: English proficiency average scores

1. Pos_models (EnLevel)

Metrics	β	SE	t/z	chi-square	p	Mcontrol	Mprime	eta2
Target region								
First fixation						0.010	0.133	
emotion	0.00	0.01	0.40	0.16	0.69			
Enlevel	-0.04	0.02	-1.80	3.26	0.07			
emotion*EnLevel				0.14	0.71			
Single fixation						0.015	0.209	
emotion	0.00	0.01	0.07	0.01	0.94			
Enlevel	-0.05	0.03	-1.83	3.38	0.07			
emotion*EnLevel				0.01	0.92			
First pass (gaze)						0.030	0.262	
emotion	0.03	0.02	1.58	2.50	0.11			
Enlevel	-0.07	0.03	-2.52	6.10	0.01			0.16
emotion*EnLevel				1.22	0.27			
Landing position						0.006	0.102	
emotion	-0.01	0.03	-0.39	0.16	0.69			
Enlevel	0.07	0.04	1.88	6.01	0.06			
emotion*EnLevel				3.75	0.05			
Skipping rate						0.016	0.374	
emotion	-0.16	0.39	-0.42	0.00	0.95			
Enlevel	0.54	0.36	1.50	2.03	0.16			
emotion*EnLevel				0.32	0.57			
Total time						0.033	0.377	
emotion	0.02	0.02	0.90	0.82	0.37			
Enlevel	-0.10	0.05	-2.05	4.16	0.04			0.11
emotion*EnLevel				4.25	0.04			
Regressions In						0.000	0.247	
emotion	-0.05	0.14	-0.33	0.14	0.71			
Enlevel	-0.02	0.32	-0.08	0.05	0.82			
emotion*EnLevel				0.51	0.48			
Second pass time						0.026	0.149	
emotion	0.01	0.02	0.85	0.73	0.39			
Enlevel	-0.07	0.02	-3.05	8.64	0.00			0.25
emotion*EnLevel				0.73	0.39			
Post-target region								
Spillover						0.015	0.183	
emotion	0.00	0.02	0.22	0.05	0.82			
Enlevel	-0.05	0.02	-2.18	4.67	0.03			0.12
emotion*EnLevel				1.30	0.26			
First fixation						0.017	0.144	
emotion	0.00	0.01	0.58	0.34	0.56			
Enlevel	-0.05	0.02	-2.55	6.24	0.01			0.16
emotion*EnLevel				0.48	0.49			
First pass (gaze)						0.017	0.396	
emotion	0.00	0.01	0.03	0.00	0.98			
Enlevel	-0.06	0.02	-2.44	5.69	0.02			0.15
emotion*EnLevel				0.19	0.66			
Total time						0.013	0.445	
emotion	-0.01	0.01	-1.67	2.80	0.10			
Enlevel	-0.07	0.04	-1.59	2.53	0.11			
emotion*EnLevel				0.29	0.59			
Regressions Out						0.002	0.199	
emotion	-0.12	0.09	-1.37	1.97	0.16			
Enlevel	0.04	0.27	0.14	0.00	0.95			
emotion*EnLevel				2.29	0.13			

2. Neg_models (EnLevel)

Metrics	β	SE	t/z	chi-square	p	Mcontrol	Mprime	eta2
Target region								
First fixation						0.005	0.096	
emotion	0.02	0.01	1.93	3.68	0.06			
Enlevel	-0.02	0.02	-0.89	0.83	0.36			
emotion*EnLevel				1.75	0.19			
Single fixation						0.008	0.166	
emotion	0.01	0.01	1.16	1.36	0.24			
Enlevel	-0.02	0.02	-0.96	0.96	0.33			
emotion*EnLevel				4.17	0.04			
First pass (gaze)						0.017	0.274	
emotion	0.02	0.02	0.87	0.76	0.38			
Enlevel	-0.05	0.03	-2.01	3.99	0.05			0.11
emotion*EnLevel				1.61	0.21			
Landing position						0.016	0.149	
emotion	0.02	0.03	0.48	0.23	0.63			
Enlevel	0.12	0.04	2.61	6.53	0.01			0.17
emotion*EnLevel				0.06	0.81			
Skipping rate						0.001	0.325	
emotion	0.03	0.29	0.11	0.06	0.80			
Enlevel	0.02	0.34	0.06	0.12	0.73			
emotion*EnLevel				0.69	0.41			
Total time						0.021	0.460	
emotion	0.01	0.03	0.53	0.28	0.59			
Enlevel	-0.09	0.06	-1.53	2.40	0.12			
emotion*EnLevel				0.17	0.68			
Regressions In						0.001	0.286	
emotion	0.02	0.16	0.10	0.02	0.90			
Enlevel	-0.14	0.34	-0.41	0.69	0.41			
emotion*EnLevel				0.46	0.50			
Second pass time						0.014	0.153	
emotion	0.00	0.02	0.18	0.03	0.85			
Enlevel	-0.06	0.03	-2.20	4.87	0.03			0.14
emotion*EnLevel				0.19	0.67			
Post-target region								
Spillover						0.010	0.149	
emotion	0.02	0.01	1.83	3.32	0.07			
Enlevel	-0.02	0.02	-1.19	1.46	0.23			
emotion*EnLevel				1.29	0.26			
First fixation						0.009	0.114	
emotion	0.02	0.01	2.55	6.50	0.01			0.003
Enlevel	-0.03	0.02	-1.58	2.55	0.11			
emotion*EnLevel				0.01	0.91			
First pass (gaze)						0.020	0.345	
emotion	0.01	0.01	1.58	2.50	0.11			
Enlevel	-0.06	0.03	-2.28	5.03	0.03			0.13
emotion*EnLevel				1.65	0.20			
Total time						0.019	0.443	
emotion	0.00	0.01	0.14	0.02	0.89			
Enlevel	-0.08	0.05	-1.56	2.46	0.12			
emotion*EnLevel				0.57	0.45			
Regressions Out						0.003	0.262	
emotion	-0.09	0.09	-1.02	1.02	0.31			
Enlevel	-0.19	0.33	-0.57	0.85	0.36			
emotion*EnLevel				0.56	0.46			

3. Pos_BDI_models (EnLevel)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
BDI	1.40	0.24
emotion	0.77	0.38
BDI*emotion	0.38	0.54
Single fixation		
BDI	1.15	0.28
emotion	0.08	0.78
BDI*emotion	0.04	0.85
First pass (gaze)		
BDI	0.91	0.34
emotion	1.70	0.19
BDI*emotion	0.20	0.66
Landing position		
BDI	0.00	0.95
emotion	0.00	0.98
BDI*emotion	0.21	0.65
Skipping rate		
BDI	0.44	0.51
emotion	0.02	0.90
BDI*emotion	0.01	0.92
Total time		
BDI	0.59	0.44
emotion	0.12	0.73
BDI*emotion	1.90	0.17
Regressions In		
BDI	0.54	0.46
emotion	0.87	0.35
BDI*emotion	1.58	0.21
Second pass time		
BDI	0.01	0.91
emotion	0.43	0.51
BDI*emotion	0.01	0.93
Post-target region		
Spillover		
BDI	0.52	0.47
emotion	0.00	0.96
BDI*emotion	0.51	0.48
First fixation		
BDI	0.61	0.44
emotion	0.96	0.33
BDI*emotion	0.32	0.57
First pass (gaze)		
BDI	0.58	0.45
emotion	0.00	0.96
BDI*emotion	0.03	0.86
Total time		
BDI	0.59	0.44
emotion	4.29	0.04
BDI*emotion	2.08	0.15
Regressions Out		
BDI	0.22	0.64
emotion	1.72	0.19
BDI*emotion	0.82	0.37

4. Pos_STAI_models (EnLevel)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
STAI	0.26	0.61
emotion	6.28	0.01
STAI*emotion	5.89	0.02
Single fixation		
STAI	0.20	0.66
emotion	3.85	0.05
STAI*emotion	3.92	0.05
First pass (gaze)		
STAI	0.01	0.91
emotion	3.51	0.06
STAI*emotion	1.44	0.23
Landing position		
STAI	0.66	0.42
emotion	0.07	0.80
STAI*emotion	0.02	0.88
Skipping rate		
STAI	1.08	0.30
emotion	0.33	0.56
STAI*emotion	0.42	0.52
Total time		
STAI	0.01	0.92
emotion	1.85	0.17
STAI*emotion	1.15	0.28
Regressions In		
STAI	0.41	0.52
emotion	2.14	0.14
STAI*emotion	2.14	0.14
Second pass time		
STAI	0.73	0.39
emotion	0.01	0.93
STAI*emotion	0.08	0.77
Post-target region		
Spillover		
STAI	0.28	0.60
emotion	0.01	0.94
STAI*emotion	0.01	0.93
First fixation		
STAI	0.35	0.55
emotion	0.81	0.37
STAI*emotion	0.5	0.48
First pass (gaze)		
STAI	1.18	0.28
emotion	0.34	0.56
STAI*emotion	0.31	0.58
Total time		
STAI	0.43	0.51
emotion	0.31	0.58
STAI*emotion	0.02	0.89
Regressions Out		
STAI	0.04	0.84
emotion	1.93	0.16
STAI*emotion	1.40	0.24

5. Neg_BDI_models (EnLevel)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
BDI	0.83	0.36
emotion	0.46	0.50
BDI*emotion	1.09	0.30
Single fixation		
BDI	0.38	0.54
emotion	0.49	0.48
BDI*emotion	0.06	0.81
First pass (gaze)		
BDI	0.68	0.41
emotion	0.86	0.35
BDI*emotion	0.05	0.83
Landing position		
BDI	0.12	0.72
emotion	0.01	0.90
BDI*emotion	0.28	0.60
Skipping rate		
BDI	0.25	0.61
emotion	0.07	0.79
BDI*emotion	0.01	0.92
Total time		
BDI	2.06	0.15
emotion	0.07	0.79
BDI*emotion	0.39	0.54
Regressions In		
BDI	1.57	0.21
emotion	0.68	0.41
BDI*emotion	1.77	0.18
Second pass time		
BDI	0.26	0.61
emotion	0.10	0.75
BDI*emotion	0.16	0.69
Post-target region		
Spillover		
BDI	1.35	0.25
emotion	1.41	0.24
BDI*emotion	0.47	0.50
First fixation		
BDI	0.48	0.49
emotion	1.41	0.23
BDI*emotion	0.66	0.41
First pass (gaze)		
BDI	0.45	0.50
emotion	0.78	0.38
BDI*emotion	0.04	0.84
Total time		
BDI	1.68	0.20
emotion	0.72	0.40
BDI*emotion	1.13	0.29
Regressions Out		
BDI	1.61	0.20
emotion	0.75	0.39
BDI*emotion	4.08	0.04

6. Neg_STAI_models (EnLevel)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
STAI	0.02	0.90
emotion	0.01	0.92
STAI*emotion	0.43	0.51
Single fixation		
STAI	0.14	0.71
emotion	0.20	0.65
STAI*emotion	0.03	0.87
First pass (gaze)		
STAI	1.11	0.29
emotion	0.89	0.35
STAI*emotion	0.33	0.57
Landing position		
STAI	0.02	0.90
emotion	0.85	0.36
STAI*emotion	1.42	0.23
Skipping rate		
STAI	0.57	0.45
emotion	0.03	0.87
STAI*emotion	0.00	0.99
Total time		
STAI	0.20	0.66
emotion	0.07	0.79
STAI*emotion	0.00	0.99
Regressions In		
STAI	0.19	0.66
emotion	0.02	0.89
STAI*emotion	0.00	0.94
Second pass time		
STAI	3.50	0.06
emotion	0.72	0.40
STAI*emotion	0.57	0.45
Post-target region		
Spillover		
STAI	0.02	0.89
emotion	0.12	0.73
STAI*emotion	0.11	0.74
First fixation		
STAI	0.00	0.96
emotion	0.60	0.44
STAI*emotion	0.03	0.86
First pass (gaze)		
STAI	1.88	0.17
emotion	1.52	0.22
STAI*emotion	0.86	0.35
Total time		
STAI	0.32	0.57
emotion	0.75	0.39
STAI*emotion	0.81	0.37
Regressions Out		
STAI	0.04	0.84
emotion	0.07	0.79
STAI*emotion	0.01	0.91

7. Pos_models (EnAverage)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
EnAverage	3.58	0.06
emotion*EnAverage	0.61	0.44
Single fixation		
EnAverage	3.73	0.05
emotion*EnAverage	1.97	0.16
First pass (gaze)		
EnAverage	5.14	0.02
emotion*EnAverage	1.17	0.28
Landing position		
EnAverage	1.72	0.19
emotion*EnAverage	0.27	0.60
Skipping rate		
EnAverage	0.25	0.62
emotion*EnAverage	0.28	0.59
Total time		
EnAverage	5.96	0.02
emotion*EnAverage	4.09	0.04
Regressions In		
EnAverage	0.21	0.65
emotion*EnAverage	0.56	0.45
Second pass time		
EnAverage	12.81	0.00
emotion*EnAverage	0.04	0.84
Post-target region		
Spillover		
EnAverage	3.92	0.05
emotion*EnAverage	3.90	0.05
First fixation		
EnAverage	5.96	0.02
emotion*EnAverage	0.10	0.75
First pass (gaze)		
EnAverage	7.46	0.01
emotion*EnAverage	2.54	0.11
Total time		
EnAverage	4.86	0.03
emotion*EnAverage	1.28	0.26
Regressions Out		
EnAverage	0.09	0.76
emotion*EnAverage	2.76	0.10

8. Neg_models (EnAverage)

Metrics	chi-square	<i>p</i>
Target region		
First fixation		
EnAverage	0.62	0.43
emotion*EnAverage	1.73	0.19
Single fixation		
EnAverage	1.21	0.27
emotion*EnAverage	2.52	0.11
First pass (gaze)		
EnAverage	4.15	0.04
emotion*EnAverage	0.41	0.52
Landing position		
EnAverage	1.72	0.19
emotion*EnAverage	1.00	0.32
Skipping rate		
EnAverage	0.77	0.38
emotion*EnAverage	3.06	0.08
Total time		
EnAverage	2.95	0.09
emotion*EnAverage	0.53	0.47
Regressions In		
EnAverage	0.26	0.61
emotion*EnAverage	0.28	0.60
Second pass time		
EnAverage	11.05	0.00
emotion*EnAverage	0.02	0.88
Post-target region		
Spillover		
EnAverage	1.36	0.24
emotion*EnAverage	1.81	0.18
First fixation		
EnAverage	2.35	0.13
emotion*EnAverage	0.16	0.69
First pass (gaze)		
EnAverage	5.86	0.02
emotion*EnAverage	0.37	0.54
Total time		
EnAverage	3.11	0.08
emotion*EnAverage	0.08	0.78
Regressions Out		
EnAverage	0.36	0.55
emotion*EnAverage	0.63	0.43