

Results

Repeated Measures ANOVA

Within Subjects Effects

Cases	Sum of Squares	df	Mean Square	F	p
Stimulus_type	0.241	1	0.241	89.563	< .001
Residuals	0.105	39	0.003		
Emotion_type	1.343 ^a	5 ^a	0.269 ^a	26.188 ^a	< .001 ^a
Residuals	2.000	195	0.010		
Stimulus_type * Emotion_type	0.250	5	0.050	13.925	< .001
Residuals	0.701	195	0.004		

Note. Type III Sum of Squares

^a Mauchly's test of sphericity indicates that the assumption of sphericity is violated ($p < .05$).

Between Subjects Effects

Cases	Sum of Squares	df	Mean Square	F	p
Residuals	1.038	39	0.027		

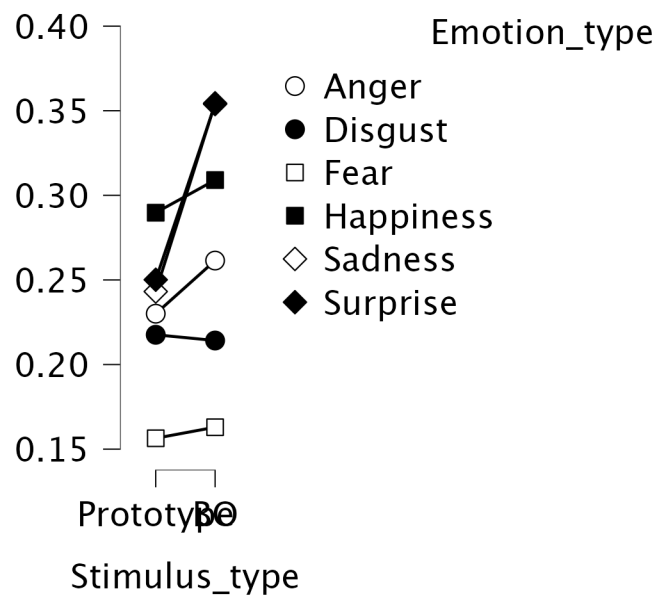
Note. Type III Sum of Squares

Descriptives

Descriptives

Stimulus_type	Emotion_type	N	Mean	SD	SE	Coefficient of variation
Prototype	Anger	40	0.230	0.060	0.009	0.260
	Disgust	40	0.218	0.061	0.010	0.282
	Fear	40	0.156	0.035	0.006	0.223
	Happiness	40	0.290	0.141	0.022	0.487
	Sadness	40	0.243	0.084	0.013	0.343
	Surprise	40	0.250	0.085	0.013	0.340
BO	Anger	40	0.261	0.092	0.015	0.352
	Disgust	40	0.214	0.072	0.011	0.337
	Fear	40	0.163	0.042	0.007	0.260
	Happiness	40	0.309	0.138	0.022	0.448
	Sadness	40	0.354	0.101	0.016	0.284
	Surprise	40	0.354	0.105	0.017	0.297

Descriptives plots



Post Hoc Tests

Post Hoc Comparisons – Stimulus_type * Emotion_type

		Mean Difference	SE	t	P _{bonf}
Prototype, Anger	BO, Anger	−0.031	0.013	−2.393	1.000

Note. P-value adjusted for comparing a family of 66

Mean Difference	SE	t	P _{bonf}
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Note. P-value adjusted for comparing a family of 66

		Mean Difference	SE	t	P _{bonf}
	Prototype, Disgust	0.012	0.019	0.669	1.000
	BO, Disgust	0.016	0.018	0.861	1.000
	Prototype, Fear	0.074	0.019	3.956	0.006
	BO, Fear	0.067	0.018	3.645	0.021
	Prototype, Happiness	−0.060	0.019	−3.207	0.097
	BO, Happiness	−0.079	0.018	−4.292	0.002
	Prototype, Sadness	−0.013	0.019	−0.704	1.000
	BO, Sadness	−0.124	0.018	−6.757	< .001
	Prototype, Surprise	−0.020	0.019	−1.079	1.000
	BO, Surprise	−0.124	0.018	−6.732	< .001
BO, Anger	Prototype, Disgust	0.044	0.018	2.383	1.000
	BO, Disgust	0.047	0.019	2.539	0.764
	Prototype, Fear	0.105	0.018	5.706	< .001
	BO, Fear	0.098	0.019	5.293	< .001
	Prototype, Happiness	−0.028	0.018	−1.537	1.000
	BO, Happiness	−0.048	0.019	−2.557	0.727
	Prototype, Sadness	0.018	0.018	0.995	1.000
	BO, Sadness	−0.093	0.019	−4.996	< .001
	Prototype, Surprise	0.011	0.018	0.616	1.000
	BO, Surprise	−0.092	0.019	−4.970	< .001
	BO, Disgust	0.003	0.013	0.259	1.000
	Prototype, Fear	0.061	0.019	3.287	0.074
Prototype, Disgust	BO, Fear	0.055	0.018	2.969	0.213
	Prototype, Happiness	−0.072	0.019	−3.876	0.009
	BO, Happiness	−0.091	0.018	−4.968	< .001
	Prototype, Sadness	−0.026	0.019	−1.373	1.000
	BO, Sadness	−0.137	0.018	−7.434	< .001
	Prototype, Surprise	−0.033	0.019	−1.747	1.000
	BO, Surprise	−0.136	0.018	−7.408	< .001

Note. P-value adjusted for comparing a family of 66

		Mean Difference	SE	t	P _{bonf}
BO, Disgust	Prototype, Fear	0.058	0.018	3.139	0.123
	BO, Fear	0.051	0.019	2.753	0.412
	Prototype, Happiness	−0.076	0.018	−4.104	0.003
	BO, Happiness	−0.095	0.019	−5.097	< .001
	Prototype, Sadness	−0.029	0.018	−1.573	1.000
	BO, Sadness	−0.140	0.019	−7.535	< .001
	Prototype, Surprise	−0.036	0.018	−1.952	1.000
	BO, Surprise	−0.140	0.019	−7.510	< .001
Prototype, Fear	BO, Fear	−0.007	0.013	−0.497	1.000
	Prototype, Happiness	−0.133	0.019	−7.163	< .001
	BO, Happiness	−0.153	0.018	−8.292	< .001
	Prototype, Sadness	−0.087	0.019	−4.660	< .001
	BO, Sadness	−0.198	0.018	−10.757	< .001
	Prototype, Surprise	−0.094	0.019	−5.035	< .001
	BO, Surprise	−0.198	0.018	−10.731	< .001
BO, Fear	Prototype, Happiness	−0.127	0.018	−6.888	< .001
	BO, Happiness	−0.146	0.019	−7.850	< .001
	Prototype, Sadness	−0.080	0.018	−4.357	0.001
	BO, Sadness	−0.191	0.019	−10.289	< .001
	Prototype, Surprise	−0.087	0.018	−4.736	< .001
	BO, Surprise	−0.191	0.019	−10.263	< .001
Prototype, Happiness	BO, Happiness	−0.019	0.013	−1.471	1.000
	Prototype, Sadness	0.047	0.019	2.503	0.845
	BO, Sadness	−0.065	0.018	−3.514	0.033
	Prototype, Surprise	0.040	0.019	2.129	1.000
	BO, Surprise	−0.064	0.018	−3.489	0.037
BO, Happiness	Prototype, Sadness	0.066	0.018	3.580	0.026
	BO, Sadness	−0.045	0.019	−2.438	1.000

Note. P-value adjusted for comparing a family of 66

Post Hoc Comparisons – Stimulus_type * Emotion_type

		Mean Difference	SE	t	P _{bonf}
	Prototype, Surprise	0.059	0.018	3.201	0.100
	BO, Surprise	−0.045	0.019	−2.413	1.000
Prototype, Sadness	BO, Sadness	−0.111	0.013	−8.477	< .001
	Prototype, Surprise	−0.007	0.019	−0.375	1.000
	BO, Surprise	−0.111	0.018	−6.020	< .001
BO, Sadness	Prototype, Surprise	0.104	0.018	5.667	< .001
	BO, Surprise	4.745×10^{-4}	0.019	0.025	1.000
Prototype, Surprise	BO, Surprise	−0.104	0.013	−7.910	< .001

Note. P-value adjusted for comparing a family of 66

Simple Main Effects

Simple Main Effects – Stimulus_type

Level of Emotion_type	Sum of Squares	df	Mean Square	F	p
Anger	0.020	1	0.020	8.069	0.007
Disgust	2.320×10^{-4}	1	2.320×10^{-4}	0.073	0.788
Fear	8.521×10^{-4}	1	8.521×10^{-4}	0.717	0.402
Happiness	0.007	1	0.007	1.514	0.226
Sadness	0.248	1	0.248	49.547	< .001
Surprise	0.216	1	0.216	54.639	< .001

Note. Type III Sum of Squares

