

Results

ANOVA

ANOVA - arousal

Homogeneity Correction	Cases	Sum of Squares	df	Mean Square	F	p	η^2
None	stim_type	19.749	3.000	6.583	4.774	0.003	0.033
	Residuals	580.562	421.000	1.379			
Brown-Forsythe	stim_type	19.749	3.000	6.583	4.932	0.002	0.033
	Residuals	580.562	417.035	1.392			
Welch	stim_type	19.749	3.000	6.583	3.942	0.009	0.033
	Residuals	580.562	232.925	2.492			

Note. Type III Sum of Squares

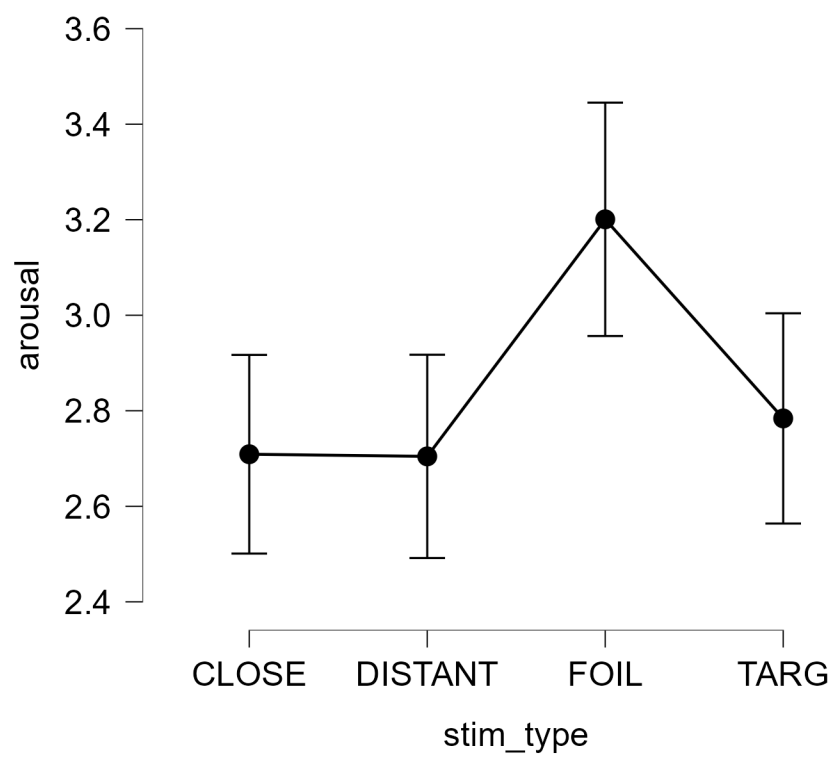
The F-statistic is not significant. Therefore, there is no **significant difference** between the means of the 4 categories.

Descriptives

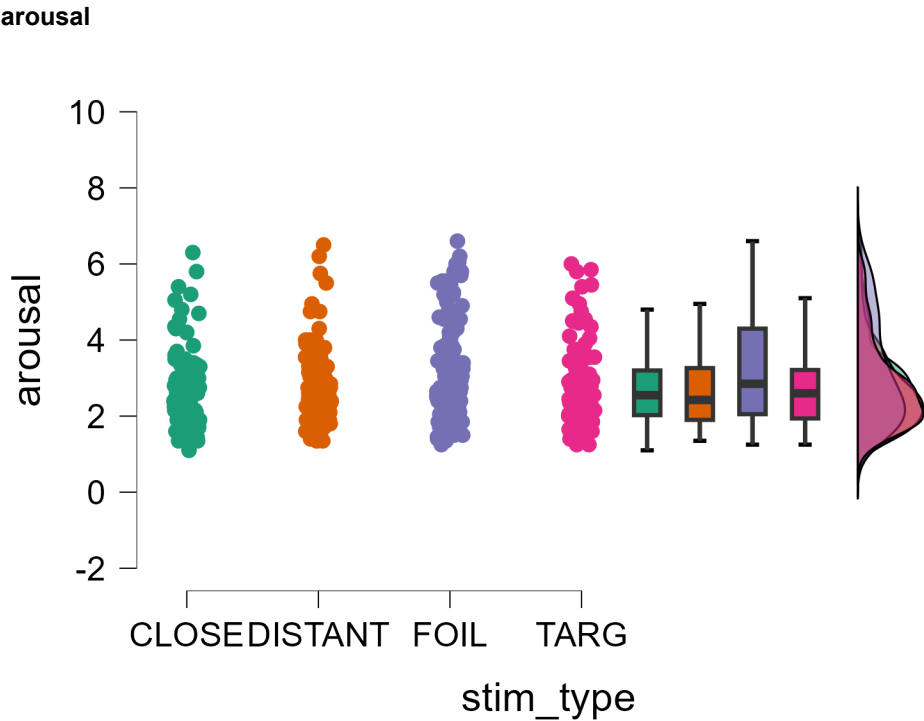
Descriptives - arousal

stim_type	N	Mean	SD	SE	Coefficient of variation
CLOSE	100	2.709	1.048	0.105	0.387
DISTANT	100	2.704	1.073	0.107	0.397
FOIL	125	3.201	1.380	0.123	0.431
TARG	100	2.784	1.109	0.111	0.398

Descriptives plots



Raincloud plots



Assumption Checks

Homogeneity of variance: Levene’s test shows a **significant difference in variance**, so the Brown- Forsythe or Welch correction should be reported.

Test for Equality of Variances (Levene's)

F	df1	df2	p
7.127	3.000	421.000	< .001

Q-Q Plot

