Results

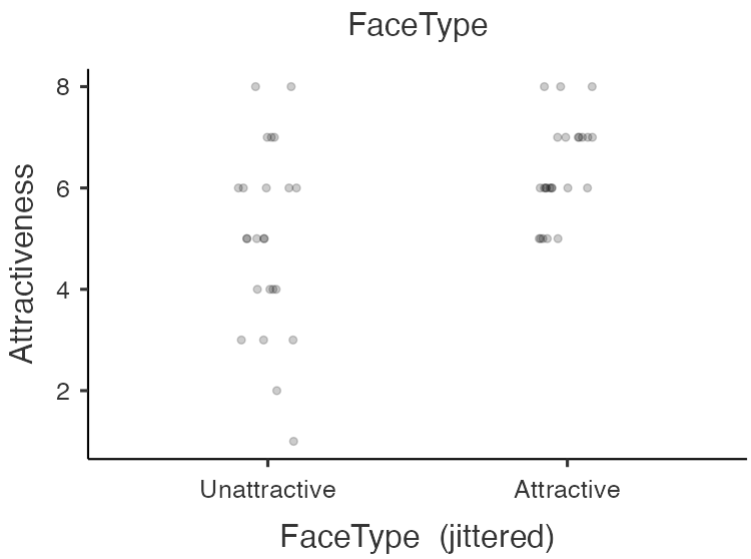
Relationships, Prediction, and Group Comparisons

You have entered a numeric dependent variable, a categorical (nominal/ordinal) independent variable, and a categorical (nominal/ordinal) control variable. Hence, a two way ANOVA seems to be a good option for you! In order to run this analysis in jamovi, go to: ANOVA > ANOVA

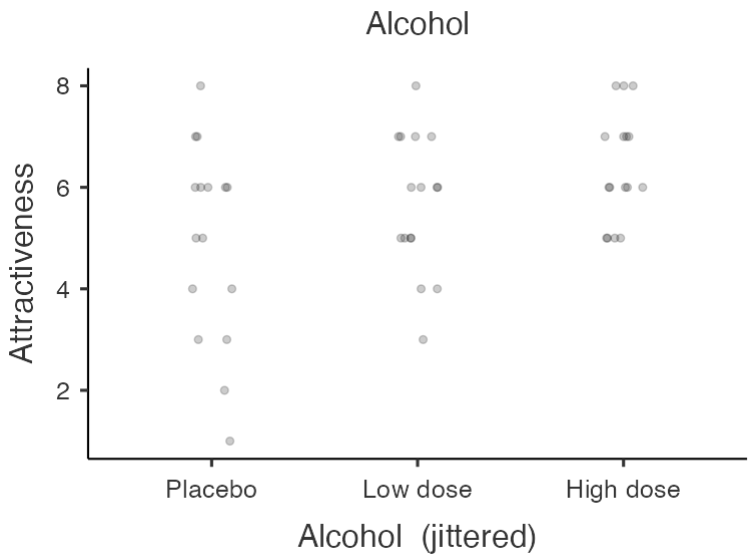
- Drop your numeric dependent variable in the box below Dependent Variable and your nominal/ordinal independent and control variables in the box below Fixed Factors

Click on the link to learn more about this method!

Scatter Plots of Bivariate Relationships - Dependent/Independent Variables



Scatter Plots of Bivariate Relationships - Dependent/Control Variables



ANOVA

ANOVA - Attractiveness

	Sum of Squares	df	Mean Square	F	p	ω²
FaceType	21.3	1	21.33	15.58	<.001	0.166
Alcohol	16.5	2	8.27	6.04	0.005	0.115
FaceType ✻ Alcohol	23.3	2	11.65	8.51	<.001	0.171
Residuals	57.5	42	1.37			

[3]

Assumption Checks

Homogeneity of Variances Tests

	Statistic	df	df2	p
Levene's	0.702	5	42	0.625
Bartlett's	3.14	5		0.678

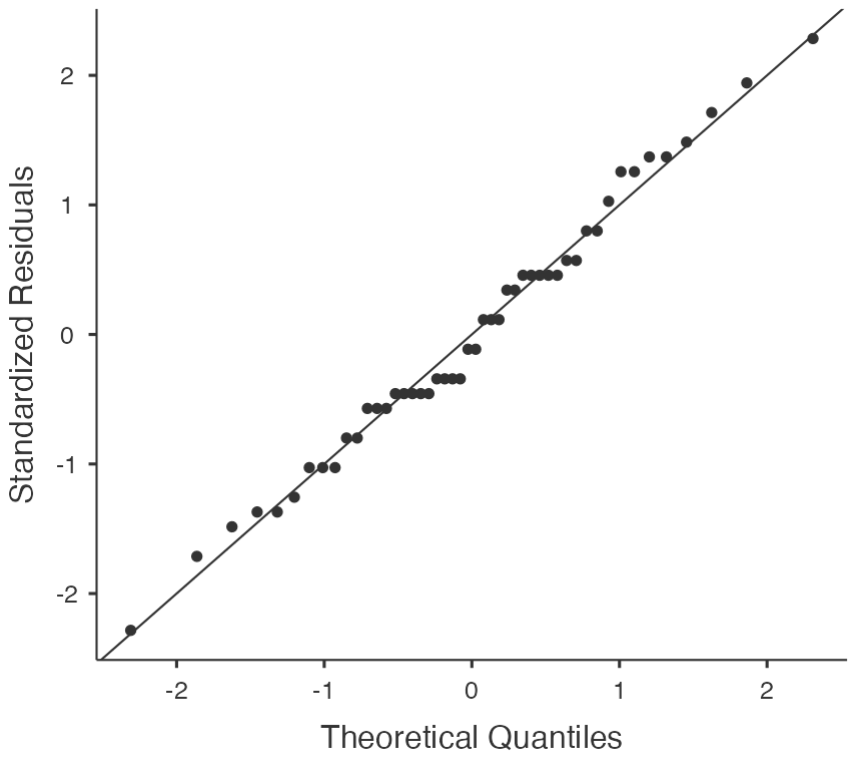
Note. Additional results provided by *moretests*

Normality tests

	statistic	p
Shapiro-Wilk	0.987	0.878
Kolmogorov-Smirnov	0.112	0.585
Anderson-Darling	0.288	0.605

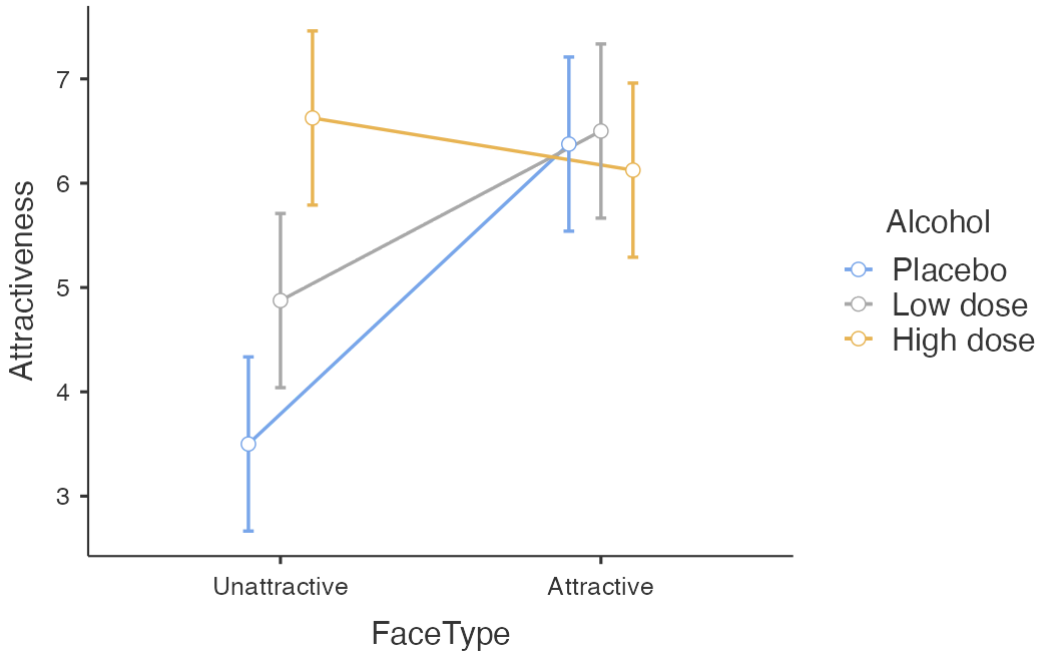
Note. Additional results provided by *moretests*

Q-Q Plot

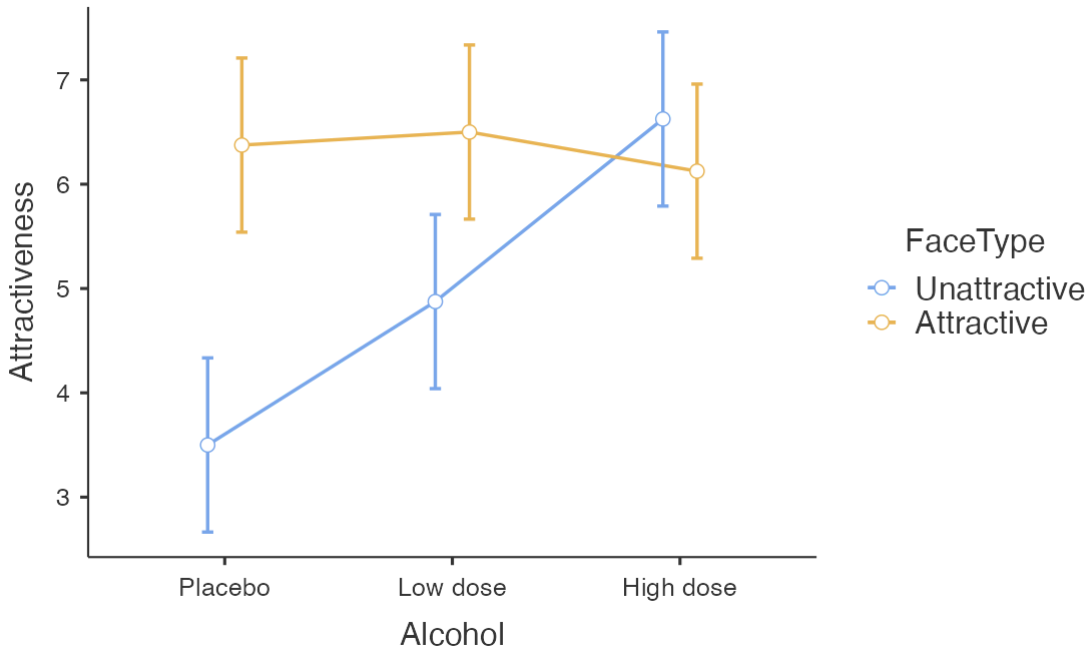


Estimated Marginal Means

FaceType ✻ Alcohol



Alcohol ✻ FaceType



[4]

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[1] The jamovi project (2022). *jamovi*. (Version 2.3) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2021). *R: A Language and environment for statistical computing*. (Version 4.1) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from MRAN snapshot 2022-01-01).

[3] Fox, J., & Weisberg, S. (2020). *car: Companion to Applied Regression*. [R package]. Retrieved from https://cran.r-project.org/package=car.

[4] Lenth, R. (2020). *emmeans: Estimated Marginal Means, aka Least-Squares Means*. [R package]. Retrieved from https://cran.r-project.org/package=emmeans.