Results

Descriptives

Descriptives

	Alcohol	FaceType
N	48	48
Missing	0	0

Frequencies

Frequencies of Alcohol

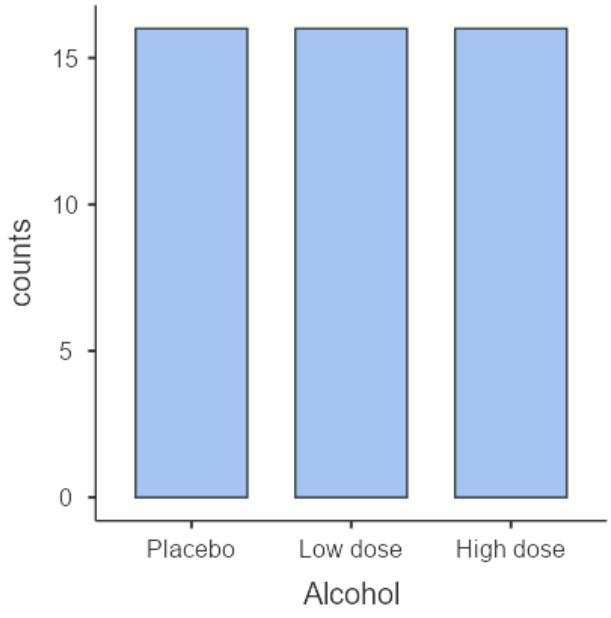
Levels	Counts	% of Total	Cumulative %
Placebo	16	33.3 %	33.3 %
Low dose	16	33.3 %	66.7 %
High dose	16	33.3 %	100.0 %

Frequencies of FaceType

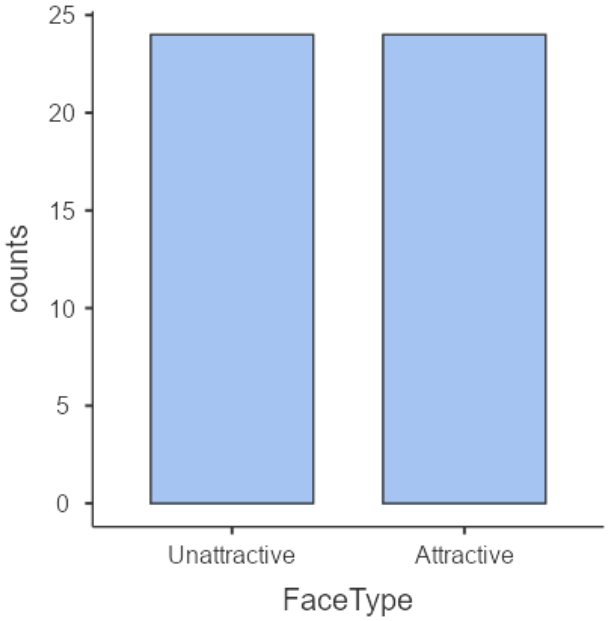
Levels	Counts	% of Total	Cumulative %
Unattractive	24	50.0 %	50.0 %
Attractive	24	50.0 %	100.0 %

Plots

Alcohol



FaceType



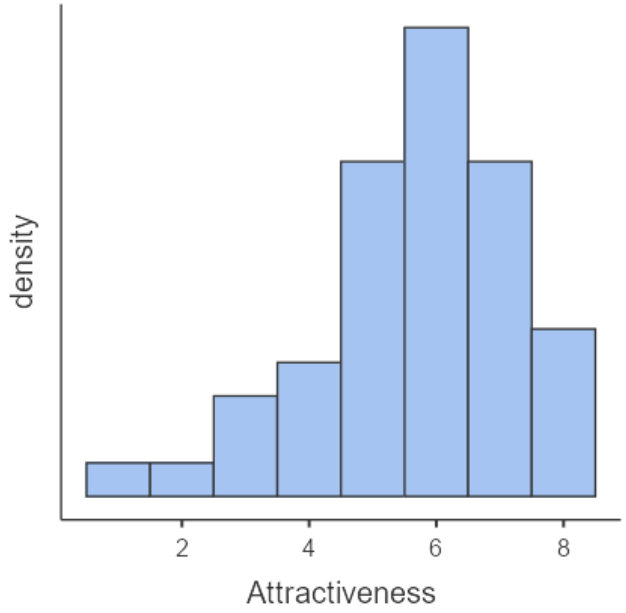
Descriptives

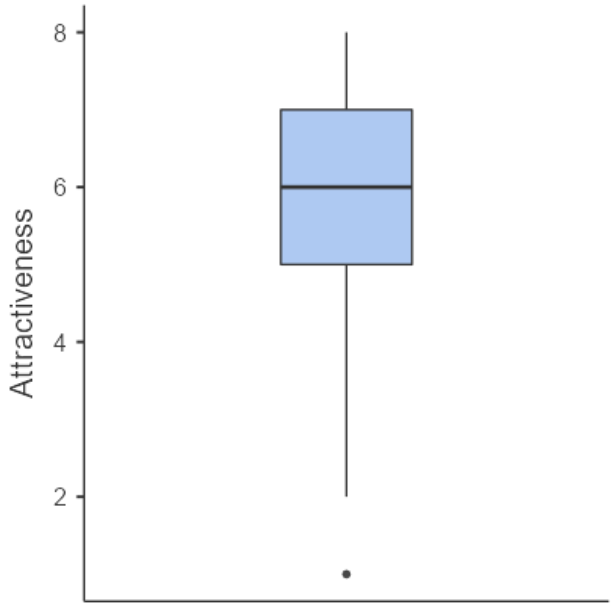
Descriptives

	Attractiveness
N	48
Missing	0
Mean	5.67
Median	6.00
Standard deviation	1.59
Variance	2.52
Range	7.00
Minimum	1.00
Maximum	8.00
Shapiro-Wilk W	0.926
Shapiro-Wilk p	0.005

Plots

Attractiveness





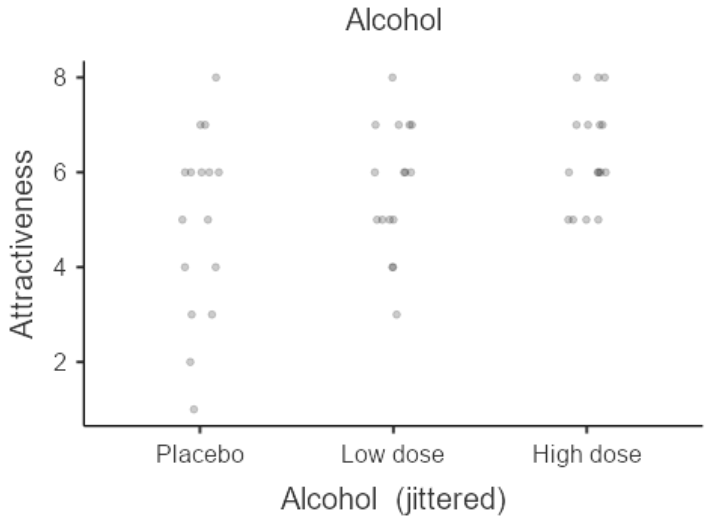
Relationships, Prediction, and Group Comparisons

You have entered a numeric dependent variable and two categorical (nominal/ordinal) independent variables. 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 two independent (grouping) 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



ANOVA

ANOVA - Attractiveness

	Sum of Squares	df	Mean Square	F	p	ω^2
Alcohol	16.5	2	8.27	6.04	0.005	0.115
FaceType	21.3	1	21.33	15.58	< .001	0.166
Alcohol ✻ FaceType	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

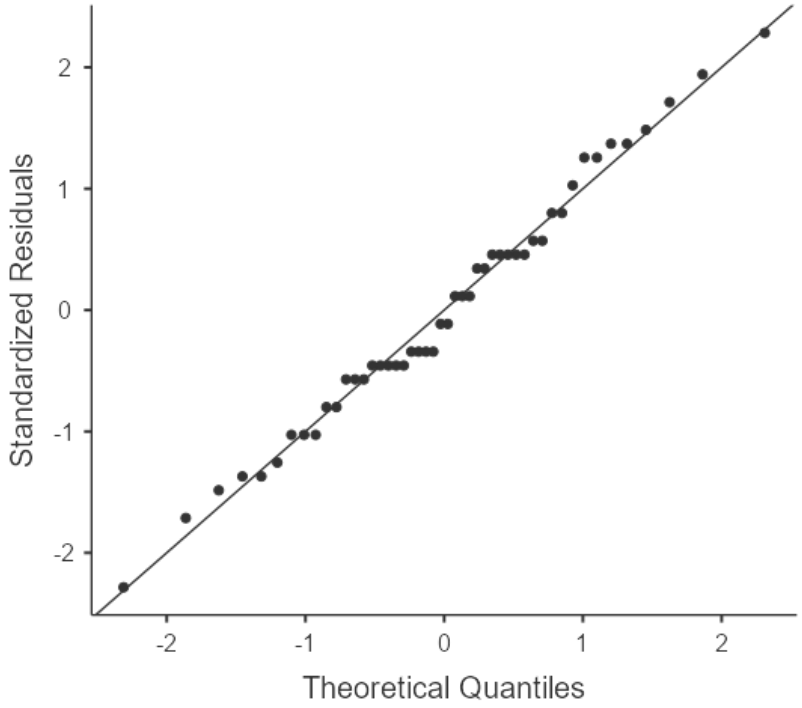
Note. Additional results provided by *moretests*

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



Post Hoc Tests

Post Hoc Comparisons - Alcohol

Comparison									95% Confidence Interval	
Alcohol		Alcohol	Mean Difference	SE	df	t	p_{tukey}	Cohen's d	Lower	Upper
Placebo	-	Low dose	-0.750	0.414	42.0	-1.81	0.178	-0.641	-1.37	0.0863
	-	High dose	-1.437	0.414	42.0	-3.47	0.003	-1.229	-1.99	-0.4655
Low dose	-	High dose	-0.688	0.414	42.0	-1.66	0.232	-0.588	-1.31	0.1376

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - FaceType

Comparison									95% Confidence Interval	
FaceType		FaceType	Mean Difference	SE	df	t	p_{tukey}	Cohen's d	Lower	Upper
Unattractive	-	Attractive	-1.33	0.338	42.0	-3.95	< .001	-1.14	-1.77	-0.505

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Alcohol ✻ FaceType

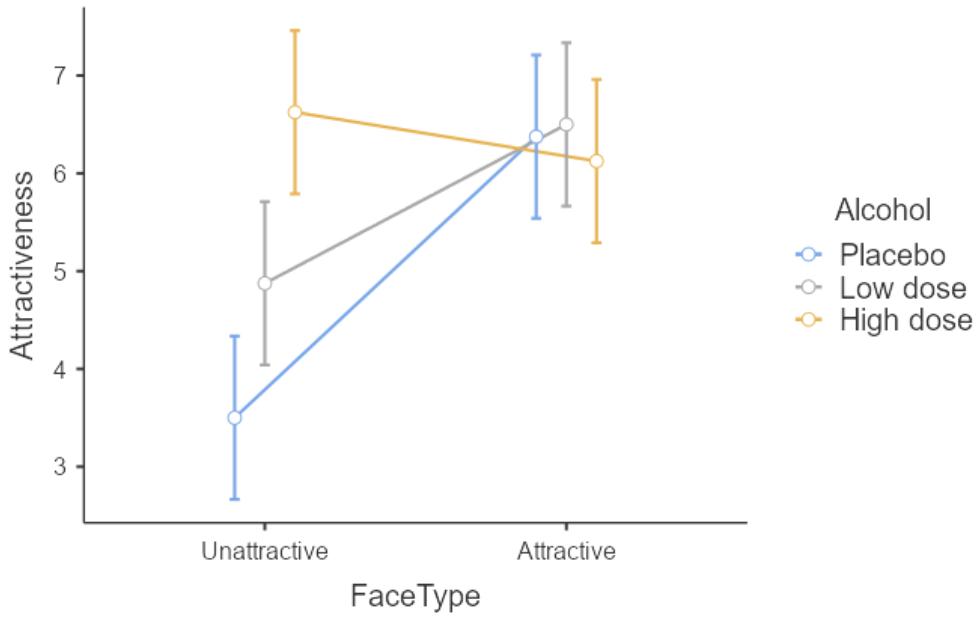
Comparison					Mean Difference	SE	df	t	p_{tukey}	Cohen's d	95% Confidence Interval	
Alcohol	**FaceType**		**Alcohol**	**FaceType**							**Lower**	**Upper**
Placebo	Unattractive	-	Placebo	Attractive	-2.875	0.585	42.0	-4.914	< .001	-2.457	-3.602	-1.3122
		-	Low dose	Unattractive	-1.375	0.585	42.0	-2.350	0.197	-1.175	-2.217	-0.1335
		-	Low dose	Attractive	-3.000	0.585	42.0	-5.128	< .001	-2.564	-3.720	-1.4077
		-	High dose	Unattractive	-3.125	0.585	42.0	-5.342	< .001	-2.671	-3.839	-1.5029
		-	High dose	Attractive	-2.625	0.585	42.0	-4.487	< .001	-2.243	-3.367	-1.1200
	Attractive	-	Low dose	Unattractive	1.500	0.585	42.0	2.564	0.129	-1.282	-2.330	-0.2342
		-	Low dose	Attractive	-0.125	0.585	42.0	-0.214	1.000	-0.107	-1.116	0.9025
		-	High dose	Unattractive	-0.250	0.585	42.0	-0.427	0.998	0.214	-0.796	1.2238
		-	High dose	Attractive	0.250	0.585	42.0	0.427	0.998	0.214	-0.796	1.2238
Low dose	Unattractive	-	Low dose	Attractive	-1.625	0.585	42.0	-2.778	0.081	-1.389	-2.443	-0.3345
		-	High dose	Unattractive	-1.750	0.585	42.0	-2.991	0.049	-1.496	-2.557	-0.4342
		-	High dose	Attractive	-1.250	0.585	42.0	-2.137	0.289	-1.068	-2.104	-0.0322
	Attractive	-	High dose	Unattractive	-0.125	0.585	42.0	-0.214	1.000	0.107	-0.902	1.1161
		-	High dose	Attractive	0.375	0.585	42.0	0.641	0.987	0.320	-0.691	1.3320
High dose	Unattractive	-	High dose	Attractive	0.500	0.585	42.0	0.855	0.955	0.427	-0.586	1.4407

Note. Comparisons are based on estimated marginal means

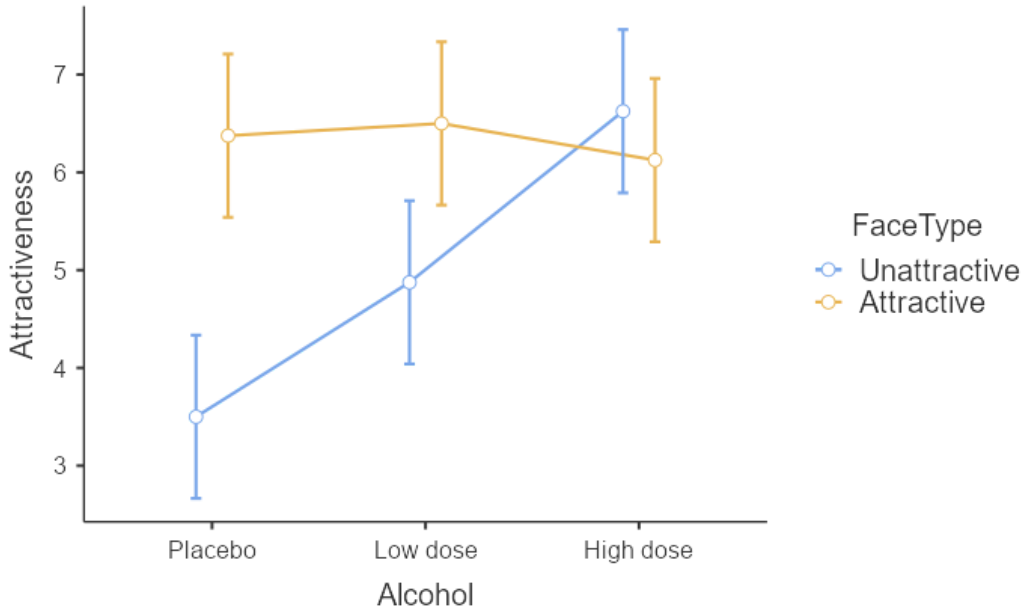
[4]

Estimated Marginal Means

FaceType ✻ Alcohol



Alcohol ✻ FaceType



[4]

References

[1] The jamovi project (2021). *jamovi*. (Version 1.6) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2020). *R: A Language and environment for statistical computing*. (Version 4.0) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from MRAN snapshot 2020-08-24).

[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.