

## Results

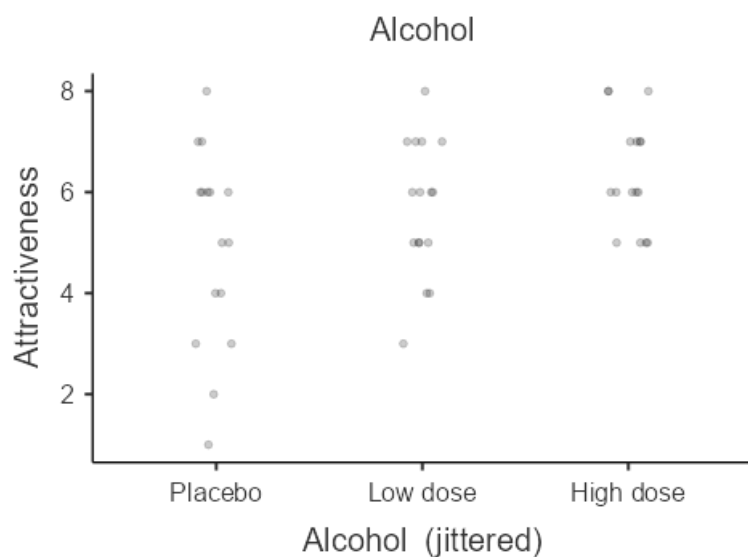
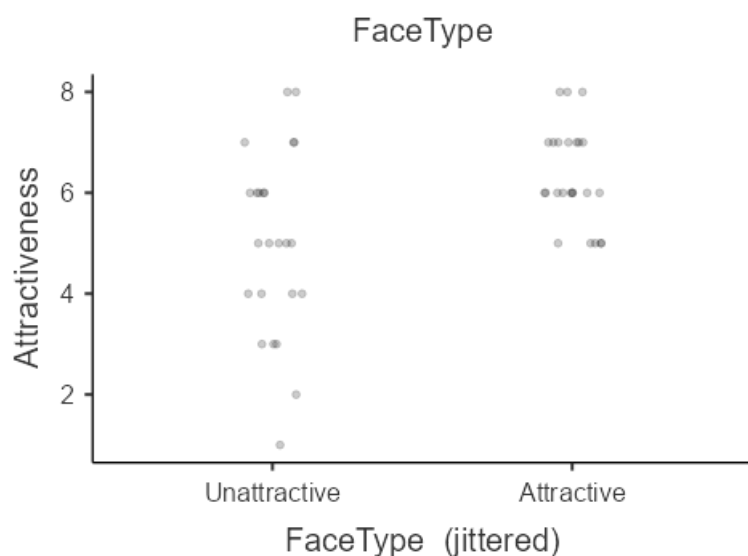
### Relationships, Prediction, and Group Comparisons

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



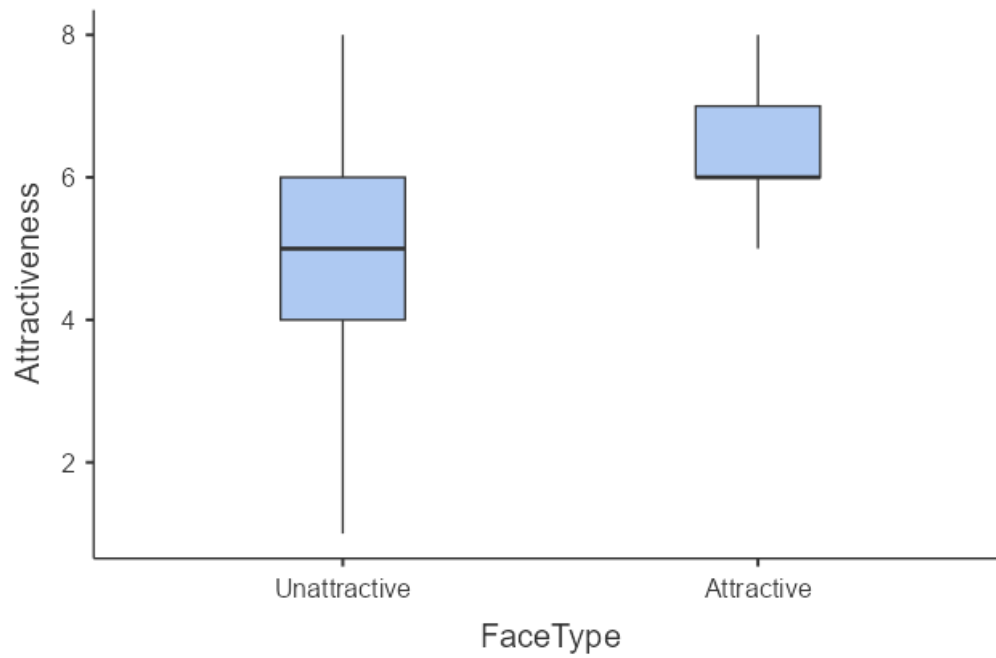
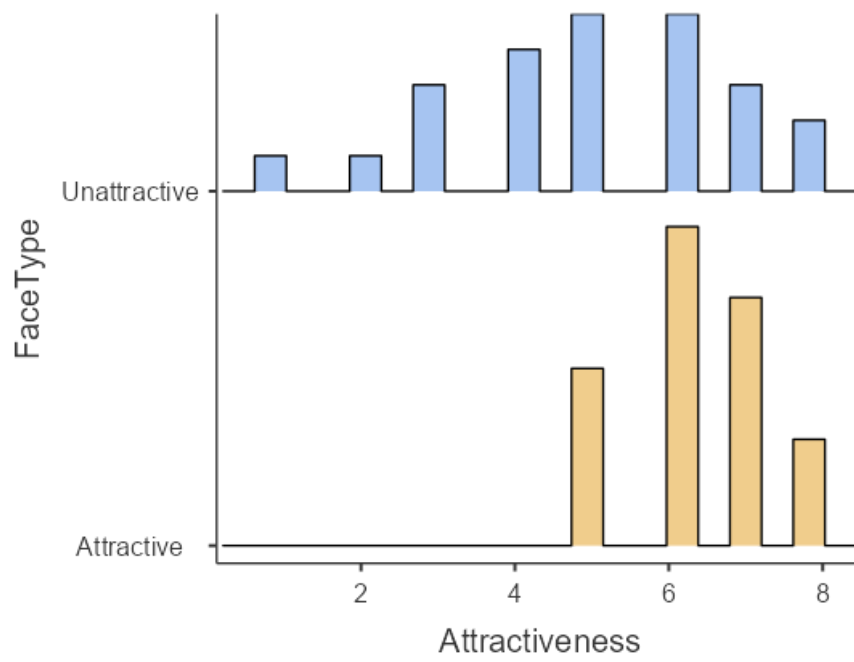
## Descriptives

## Descriptives

	FaceType	Attractiveness
<b>N</b>	<b>Unattractive</b>	24
	<b>Attractive</b>	24
<b>Missing</b>	<b>Unattractive</b>	0
	<b>Attractive</b>	0
<b>Mean</b>	<b>Unattractive</b>	5.00
	<b>Attractive</b>	6.33
<b>Median</b>	<b>Unattractive</b>	5.00
	<b>Attractive</b>	6.00
<b>Standard deviation</b>	<b>Unattractive</b>	1.82
	<b>Attractive</b>	0.963
<b>Minimum</b>	<b>Unattractive</b>	1.00
	<b>Attractive</b>	5.00
<b>Maximum</b>	<b>Unattractive</b>	8.00
	<b>Attractive</b>	8.00
<b>Skewness</b>	<b>Unattractive</b>	-0.284
	<b>Attractive</b>	0.201
<b>Std. error skewness</b>	<b>Unattractive</b>	0.472
	<b>Attractive</b>	0.472
<b>Kurtosis</b>	<b>Unattractive</b>	-0.312
	<b>Attractive</b>	-0.781
<b>Std. error kurtosis</b>	<b>Unattractive</b>	0.918
	<b>Attractive</b>	0.918
<b>Shapiro-Wilk W</b>	<b>Unattractive</b>	0.966
	<b>Attractive</b>	0.884
<b>Shapiro-Wilk p</b>	<b>Unattractive</b>	0.567
	<b>Attractive</b>	0.010

## Plots

### Attractiveness



## Descriptives

## Descriptives

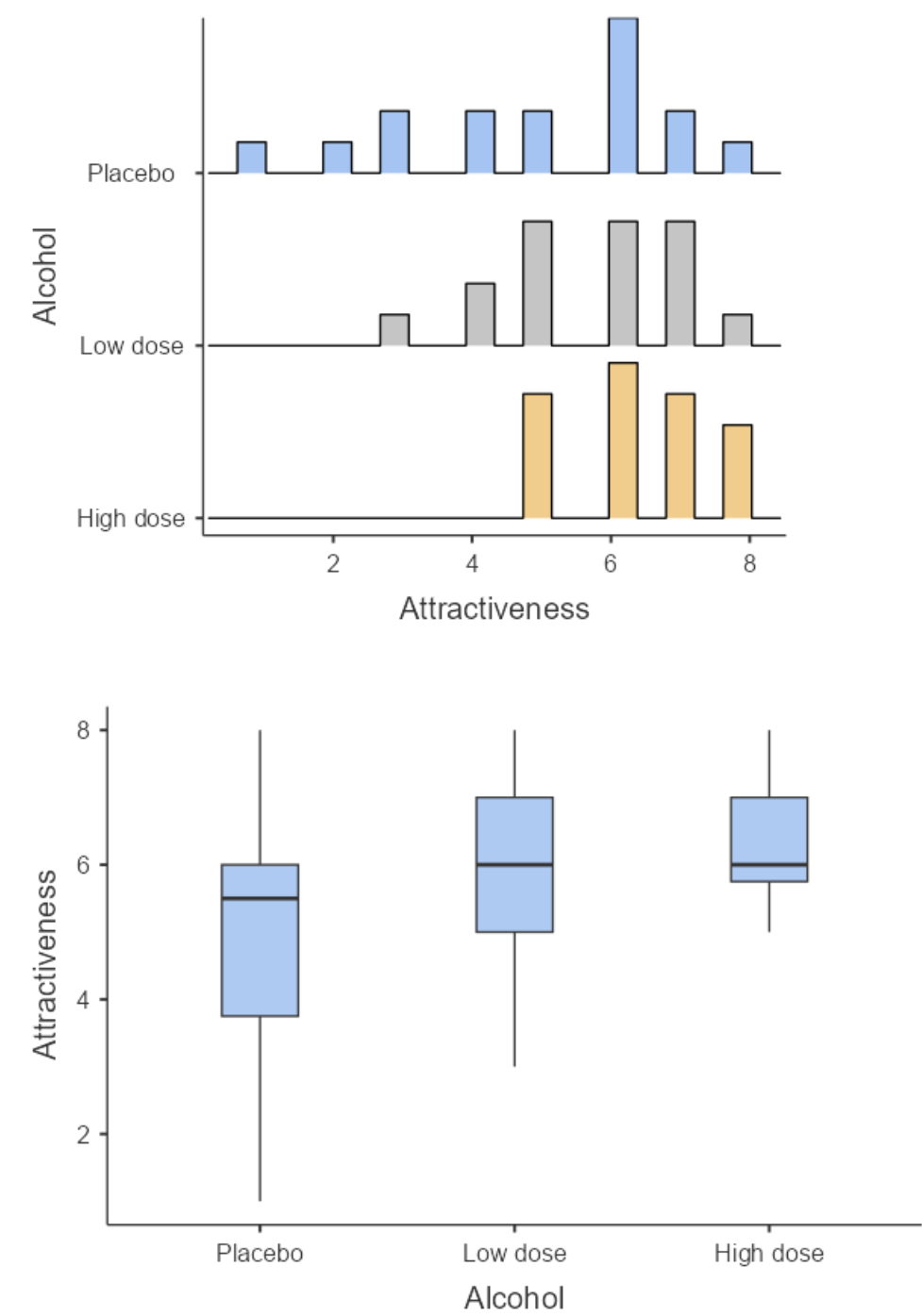
	Alcohol	Attractiveness
<b>N</b>	Placebo	16
	Low dose	16
	High dose	16
<b>Missing</b>	Placebo	0
	Low dose	0
	High dose	0
<b>Mean</b>	Placebo	4.94
	Low dose	5.69
	High dose	6.38
<b>Median</b>	Placebo	5.50
	Low dose	6.00
	High dose	6.00
<b>Standard deviation</b>	Placebo	1.95
	Low dose	1.35
	High dose	1.09
<b>Minimum</b>	Placebo	1.00
	Low dose	3.00
	High dose	5.00
<b>Maximum</b>	Placebo	8.00
	Low dose	8.00
	High dose	8.00
<b>Skewness</b>	Placebo	-0.518
	Low dose	-0.271
	High dose	0.189
<b>Std. error skewness</b>	Placebo	0.564
	Low dose	0.564
	High dose	0.564
<b>Kurtosis</b>	Placebo	-0.424
	Low dose	-0.440
	High dose	-1.15
<b>Std. error kurtosis</b>	Placebo	1.09
	Low dose	1.09
	High dose	1.09
<b>Shapiro-Wilk W</b>	Placebo	0.947
	Low dose	0.951
	High dose	0.880

Descriptives

Shapiro-Wilk p	Placebo	0.447
	Low dose	0.506
	High dose	0.039

Plots

Attractiveness



ANOVA

ANOVA - Attractiveness

	Sum of Squares	df	Mean Square	F	p	$\omega^2$
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

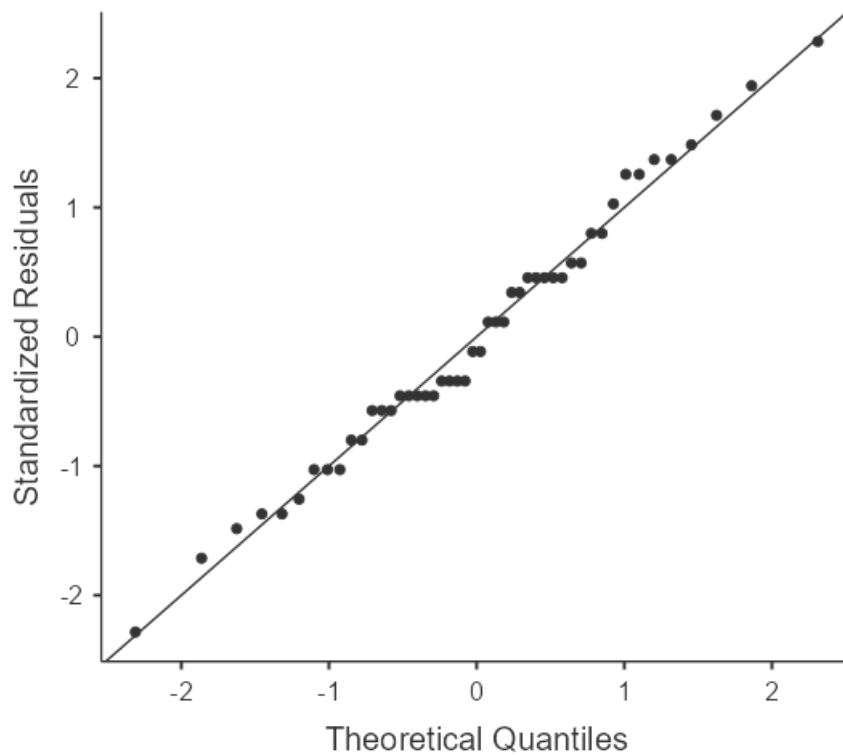
Note. Additional results provided by moretests

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



### Post Hoc Tests

Post Hoc Comparisons - FaceType

Comparison		Mean Difference	SE	df	t	P <sub>tukey</sub>	Cohen's d
FaceType	FaceType						
Unattractive	- Attractive	-1.33	0.338	42.0	-3.95	<.001	-1.14

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Alcohol

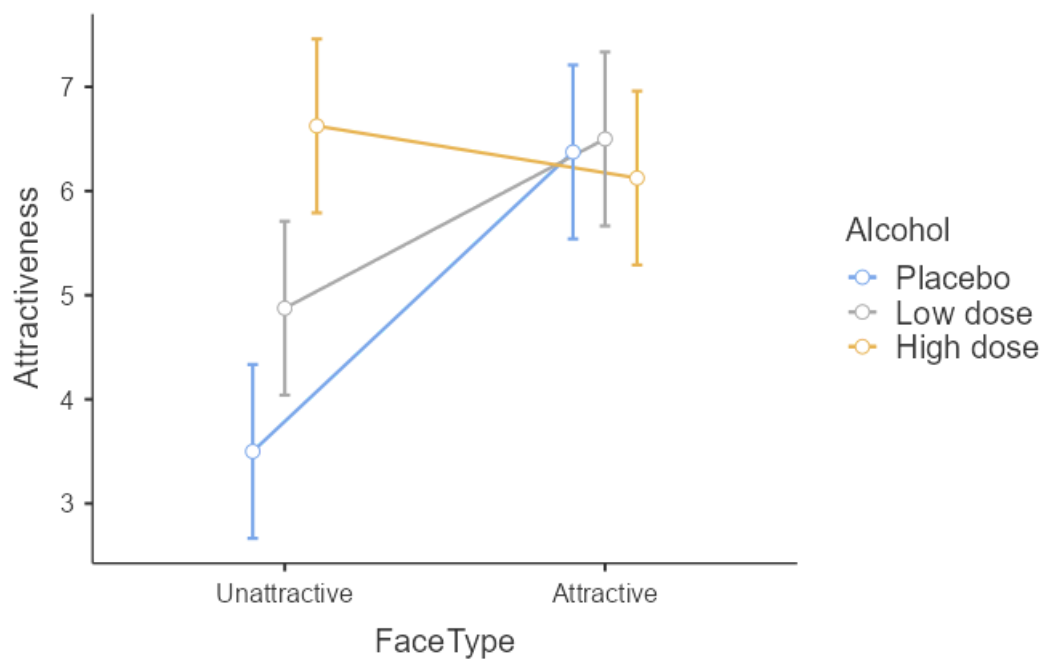
Comparison		Mean Difference	SE	df	t	P <sub>tukey</sub>	Cohen's d
Alcohol	Alcohol						
Placebo	- Low dose	-0.750	0.414	42.0	-1.81	0.178	-0.641
	- High dose	-1.437	0.414	42.0	-3.47	0.003	-1.229
Low dose	- High dose	-0.688	0.414	42.0	-1.66	0.232	-0.588

Note. Comparisons are based on estimated marginal means

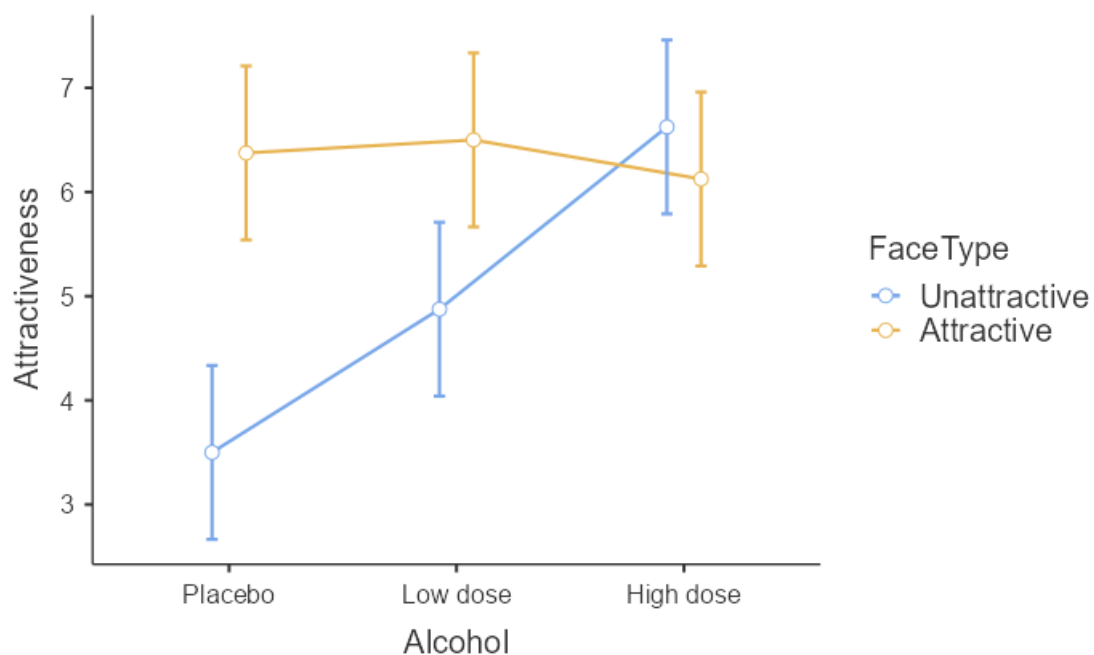
[4]

### Estimated Marginal Means

FaceType \* Alcohol



#### Alcohol \* FaceType



[4]

## References

- [1] The jamovi project (2024). *jamovi*. (Version 2.6) [Computer Software]. Retrieved from <https://www.jamovi.org>.
- [2] R Core Team (2024). *R: A Language and environment for statistical computing*. (Version 4.4) [Computer software]. Retrieved from <https://cran.r-project.org>. (R packages retrieved from CRAN snapshot 2024-08-07).
- [3] Fox, J., & Weisberg, S. (2023). *car: Companion to Applied Regression*. [R package]. Retrieved from <https://cran.r-project.org/package=car>.



[4] Lenth, R. (2023). *emmeans: Estimated Marginal Means, aka Least-Squares Means*. [R package]. Retrieved from <https://cran.r-project.org/package=emmeans>.