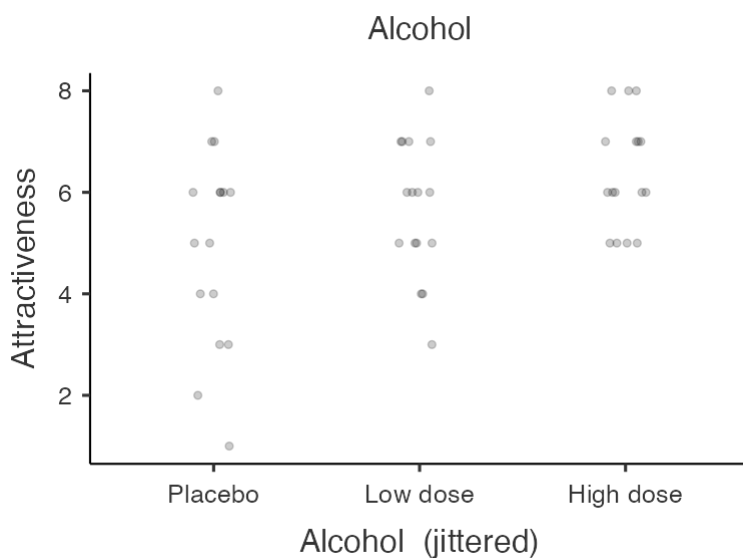


Relationships, Prediction, and Group Comparisons

- Drop your numeric dependent variable in the box below Dependent Variable and your two independent (grouping) variables in the box below Fixed Factors

Scatter Plots of Bivariate Relationships - Dependent/Independent Variables



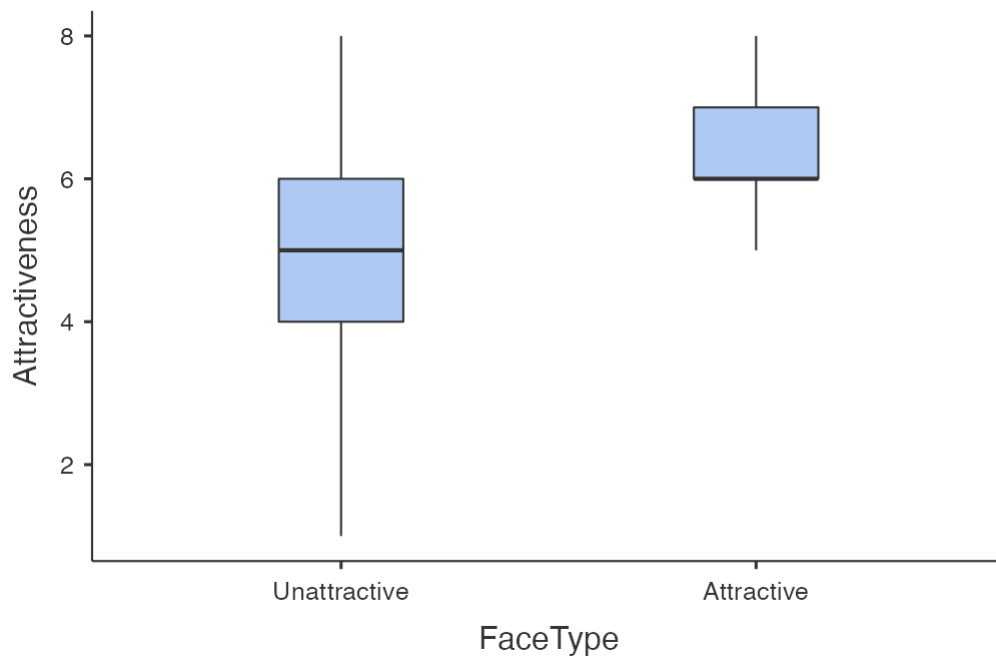
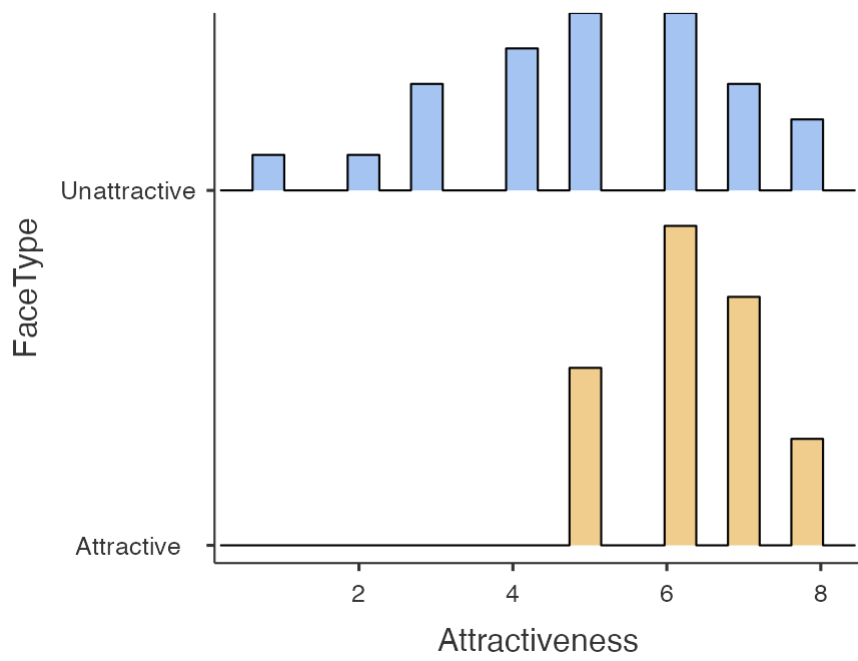
Descriptives

Descriptives

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

Plots

Attractiveness



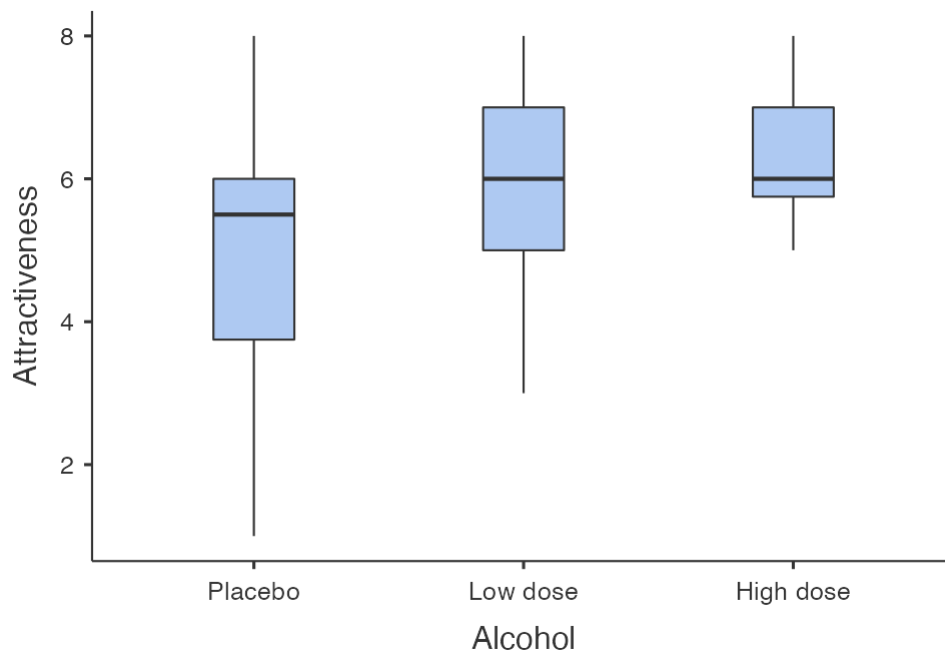
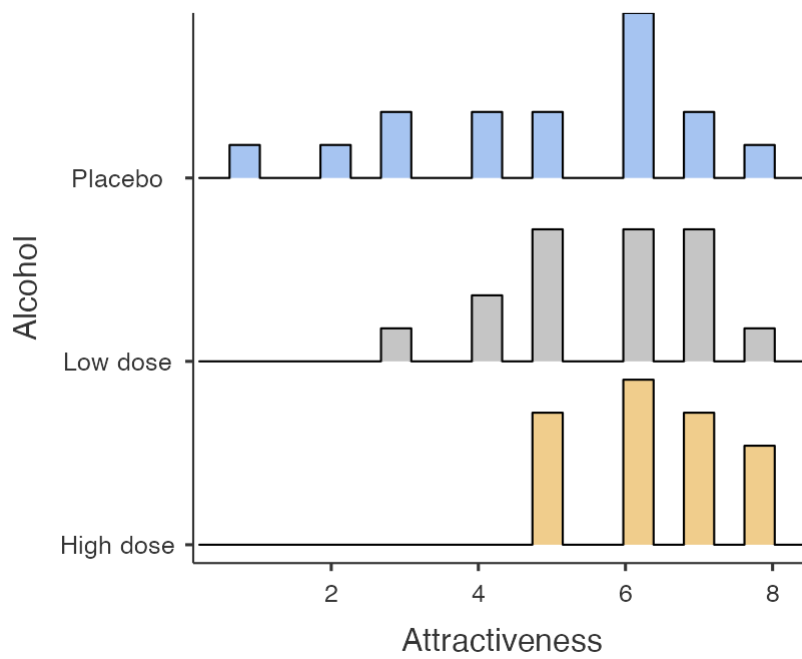
Descriptives

Descriptives

| | Alcohol | Attractiveness |
|---------------------|-----------|----------------|
| N | Placebo | 16 |
| | Low dose | 16 |
| | High dose | 16 |
| Missing | Placebo | 0 |
| | Low dose | 0 |
| | High dose | 0 |
| Mean | Placebo | 4.94 |
| | Low dose | 5.69 |
| | High dose | 6.38 |
| Median | Placebo | 5.50 |
| | Low dose | 6.00 |
| | High dose | 6.00 |
| Standard deviation | Placebo | 1.95 |
| | Low dose | 1.35 |
| | High dose | 1.09 |
| Minimum | Placebo | 1.00 |
| | Low dose | 3.00 |
| | High dose | 5.00 |
| Maximum | Placebo | 8.00 |
| | Low dose | 8.00 |
| | High dose | 8.00 |
| Skewness | Placebo | -0.518 |
| | Low dose | -0.271 |
| | High dose | 0.189 |
| Std. error skewness | Placebo | 0.564 |
| | Low dose | 0.564 |
| | High dose | 0.564 |
| Kurtosis | Placebo | -0.424 |
| | Low dose | -0.440 |
| | High dose | -1.15 |
| Std. error kurtosis | Placebo | 1.09 |
| | Low dose | 1.09 |
| | High dose | 1.09 |
| Shapiro-Wilk W | Placebo | 0.947 |
| | Low dose | 0.951 |
| | High dose | 0.880 |
| 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 | ω^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 Test (Levene's)

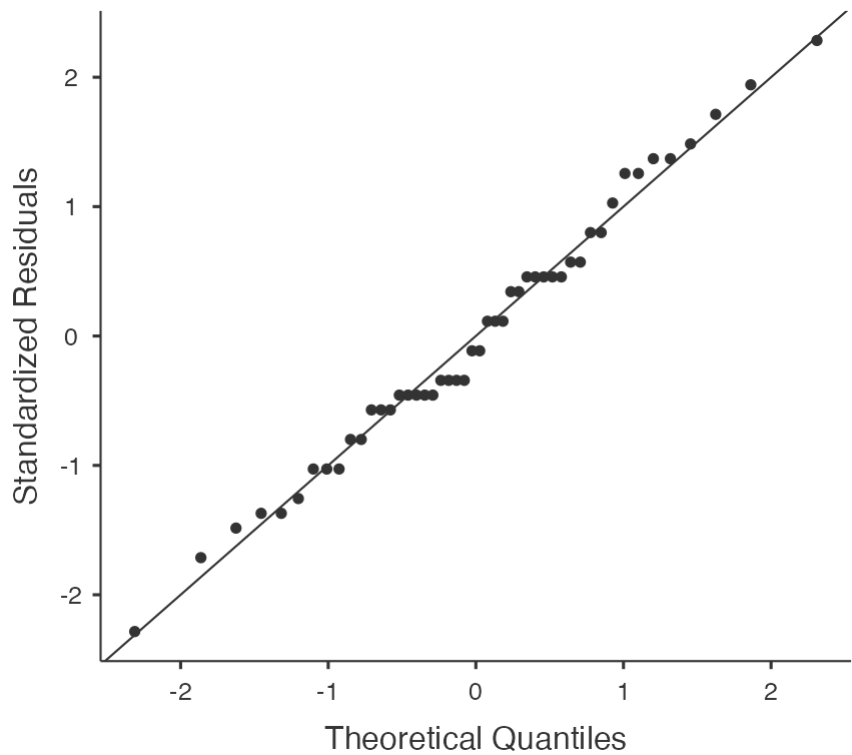
| F | df1 | df2 | p |
|-------|-----|-----|-------|
| 0.702 | 5 | 42 | 0.625 |

[3]

Normality Test (Shapiro-Wilk)

| Statistic | p |
|-----------|-------|
| 0.987 | 0.878 |

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - FaceType

| Comparison | | Mean Difference | SE | df | t | Ptukey | 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

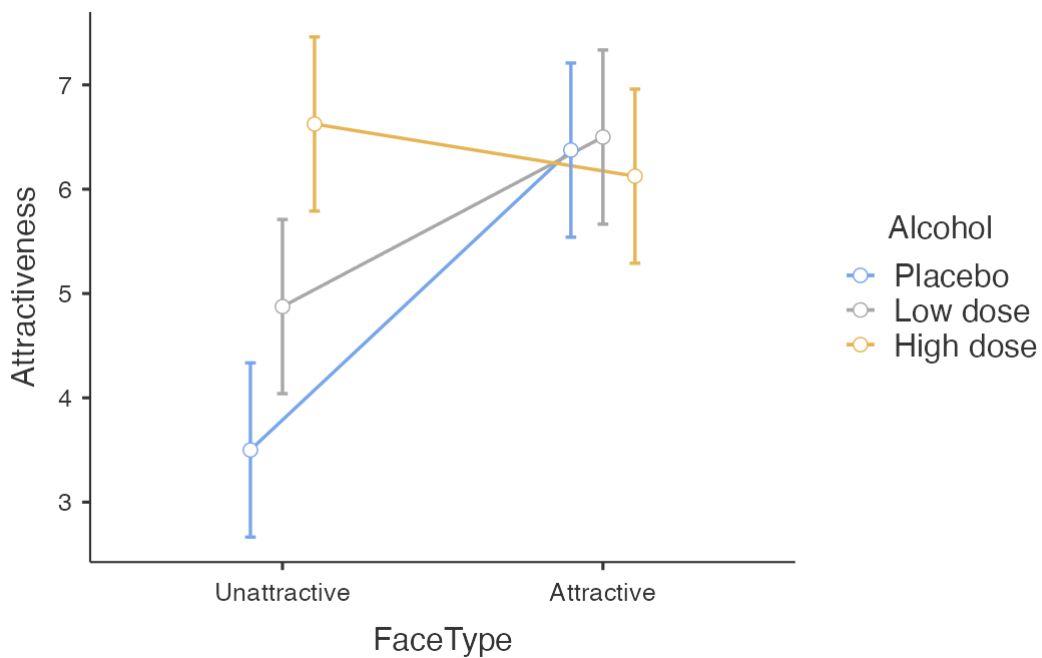
| Comparison | | Mean Difference | SE | df | t | p _{Tukey} | Cohen's d |
|------------|-----------|-----------------|-------|------|-------|--------------------|-----------|
| Alcohol | Alcohol | | | | | | |
| Placebo | Low dose | -0.750 | 0.414 | 42.0 | -1.81 | 0.178 | -0.641 |
| | High dose | -1.437 | 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

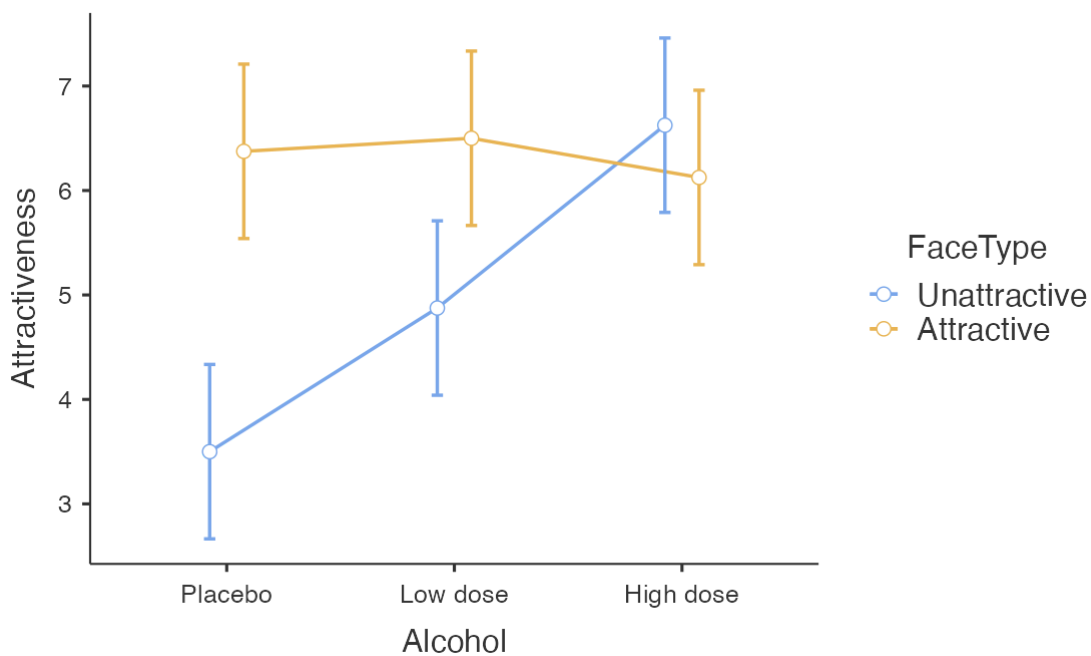
[4]

Estimated Marginal Means

FaceType * Alcohol



Alcohol * FaceType



[4]

References

- [1] The jamovi project (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>.