

Results

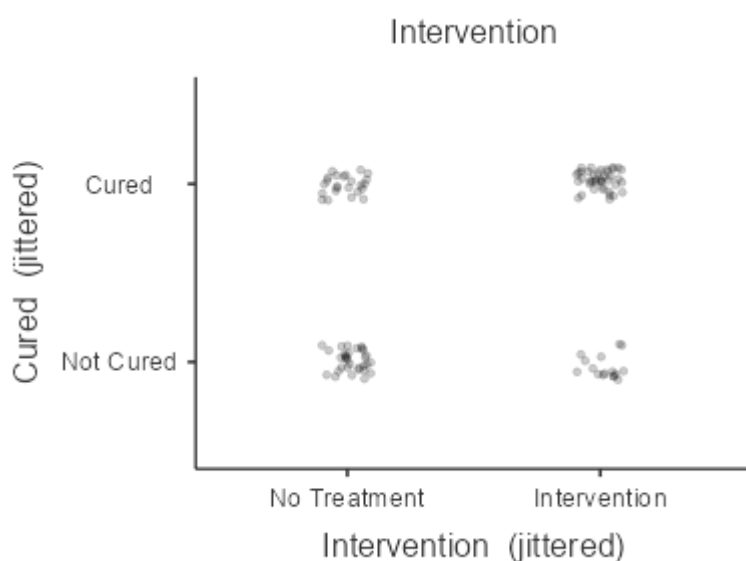
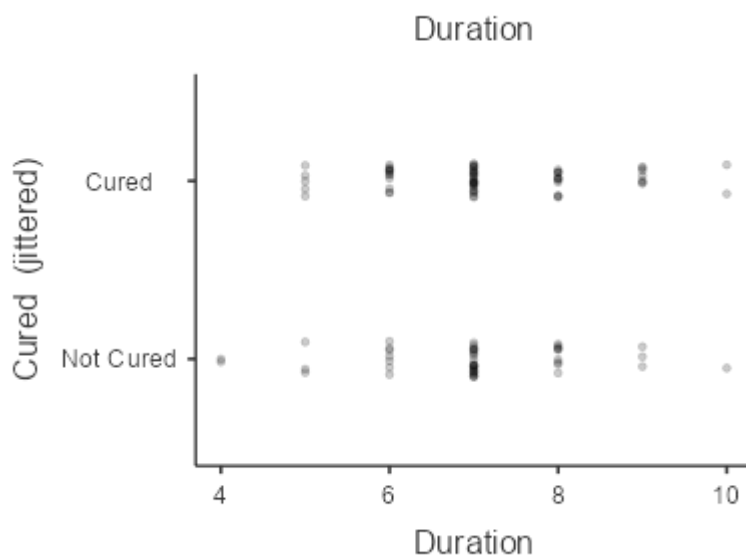
Relationships, Prediction, and Group Comparisons

You have entered a dichotomous dependent variable and several independent variables. Hence, [logistic regression analysis](#) seems to be a good option for you! In order to run this analysis in jamovi, go to: Regression > 2 Outcomes - Binomial

- Drop your dependent variable in the box below Dependent Variable
- Drop your independent variables in the box below Covariates. Independent variables of nominal or ordinal measurement level that consist of more than two groups should be transformed into code variables before they are included in the analysis. Independent variables of nominal or ordinal measurement level that consist of two groups can be transformed into code variables, but they don't need to be, as long as numbers are used to indicate group membership, not letters (these dichotomous variables actually are code variables already, but you may like to change the coding). In jamovi, instead of transforming your categorical independent variables into code variables yourself, you can also put the untransformed categorical independent variables in the box below Factors. jamovi will then make the code variables for you 'behind the scenes'

Click on the link to learn more about this method!

Scatter Plots of Bivariate Relationships - Dependent/Independent Variables



Descriptives

Descriptives
N
Missing
Mean
Median
Standard deviation
Minimum
Maximum

Descriptives

Descriptives		
	Cured	Intervention
N	113	113
Missing	0	0
Minimum	0	0
Maximum	1	1

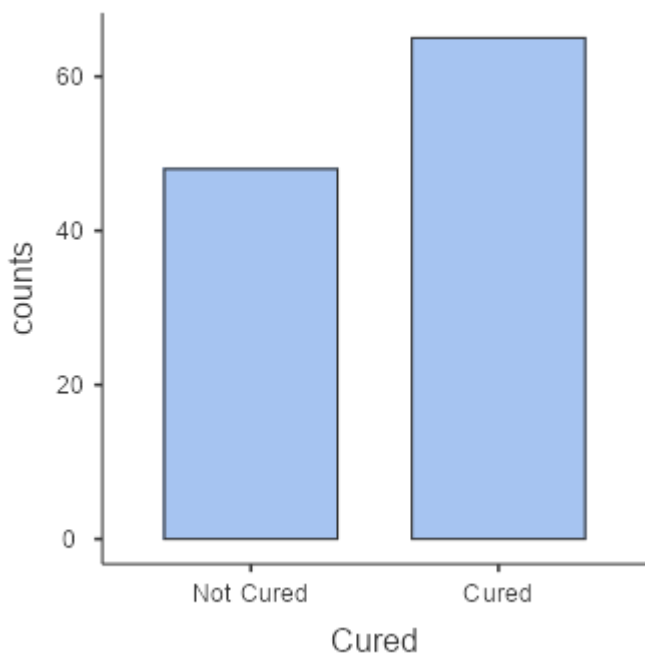
Frequencies

Frequencies of Cured			
Levels	Counts	% of Total	Cumulative %
Not Cured	48	42.5 %	42.5 %
Cured	65	57.5 %	100.0 %

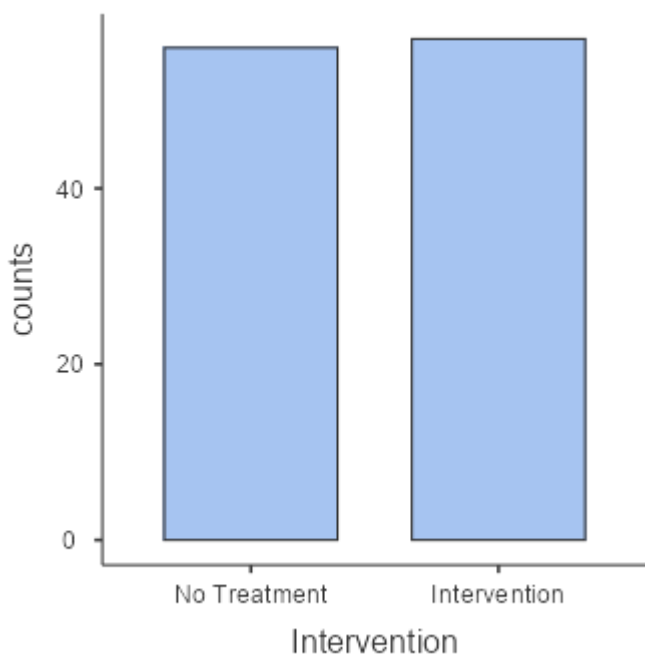
Frequencies of Intervention			
Levels	Counts	% of Total	Cumulative %
No Treatment	56	49.6 %	49.6 %
Intervention	57	50.4 %	100.0 %

Plots

Cured



Intervention



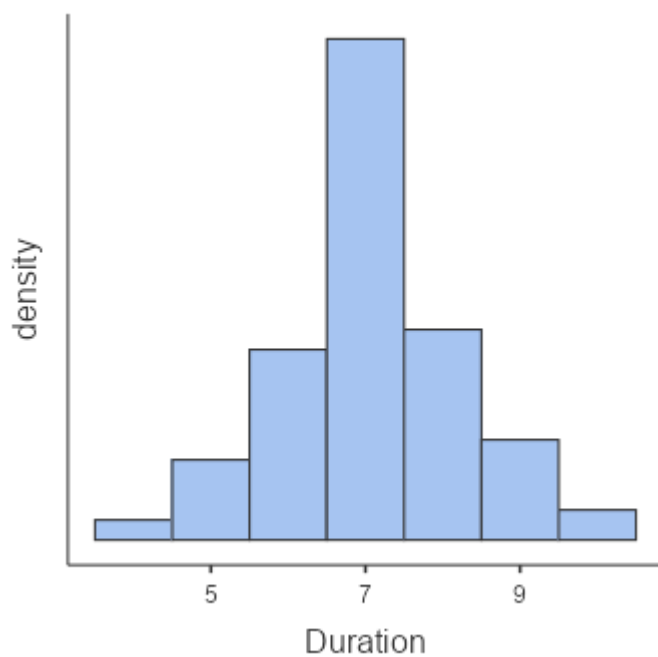
Descriptives

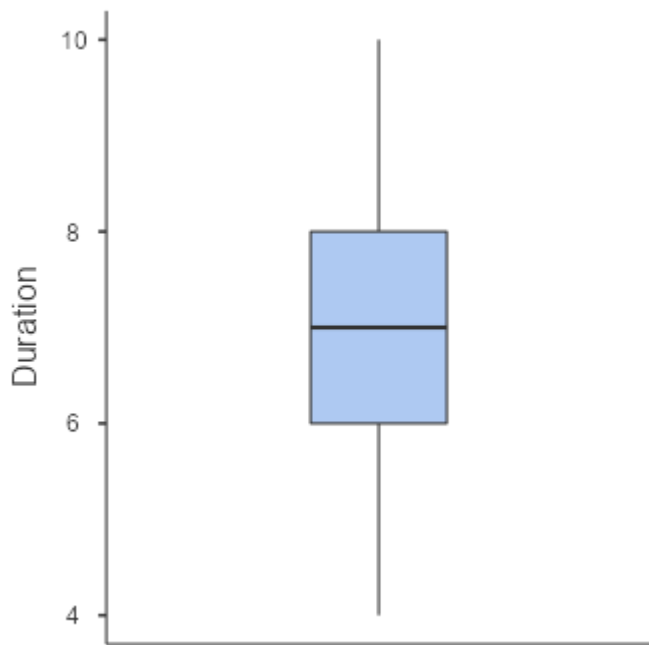
Descriptives

Duration	
N	113
Missing	0
Mean	7.08
Median	7.00
Standard deviation	1.18
Minimum	4.00
Maximum	10.0
Skewness	0.0419
Std. error skewness	0.227
Kurtosis	0.424
Std. error kurtosis	0.451
Shapiro-Wilk W	0.925
Shapiro-Wilk p	< .001

Plots

Duration





Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}	R^2_{CS}	R^2_N	Overall Model Test		
						χ^2	df	p
1	144	150	0.0644	0.0841	0.113	9.93	2	0.007

Omnibus Likelihood Ratio Tests

Predictor	χ^2	df	p
Intervention	9.31701	1	0.002
Duration	0.00198	1	0.964

[3]

Model Coefficients - Cured

Predictor	Estimate	SE	Z	p	Odds ratio	95% Confidence Interval	
						Lower	Upper
Intercept	-0.23466	1.221	-0.1923	0.848	0.791	0.0723	8.65
Intervention:							
Intervention – No Treatment	1.23353	0.415	2.9755	0.003	3.433	1.5235	7.74
Duration	-0.00784	0.176	-0.0445	0.964	0.992	0.7028	1.40

Note. Estimates represent the log odds of "Cured = Cured" vs. "Cured = Not Cured"

Assumption Checks

Collinearity Statistics

	VIF	Tolerance
Intervention	1.08	0.930
Duration	1.08	0.930

[3]

References

[1] The jamovi project (2021). *jamovi*. (Version 2.2) [Computer Software]. Retrieved from <https://www.jamovi.org>.

[2] R Core Team (2021). *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 2021-04-01).

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