

# Results

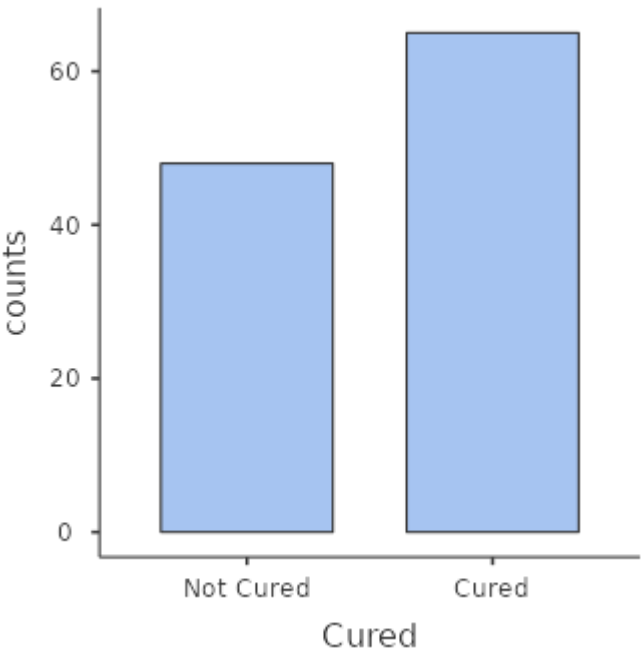
## Descriptives

Descriptives

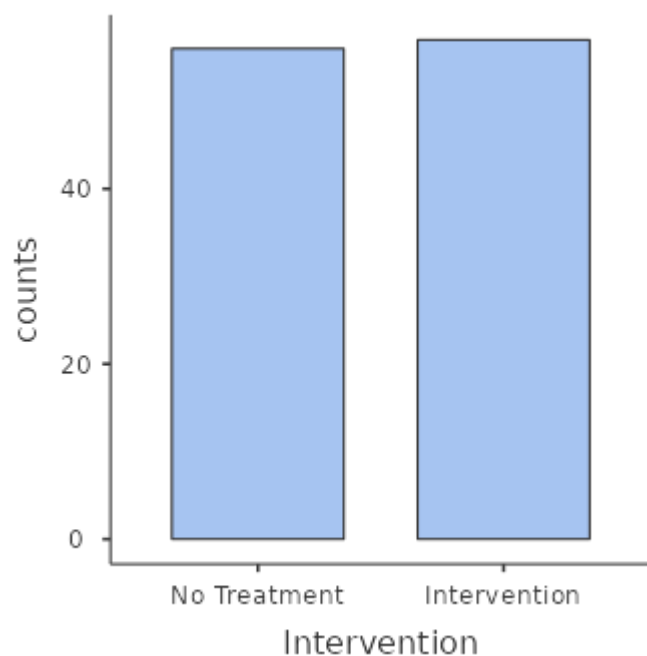
|         | Cured | Intervention |
|---------|-------|--------------|
| N       | 113   | 113          |
| Missing | 0     | 0            |
| Mean    | 0.575 | 0.504        |
| Median  | 1     | 1            |
| Minimum | 0     | 0            |
| Maximum | 1     | 1            |

## Plots

### Cured



### Intervention



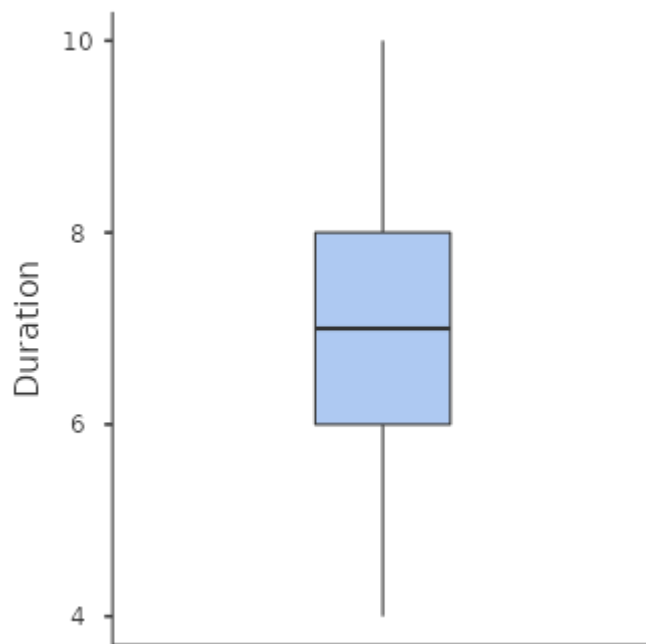
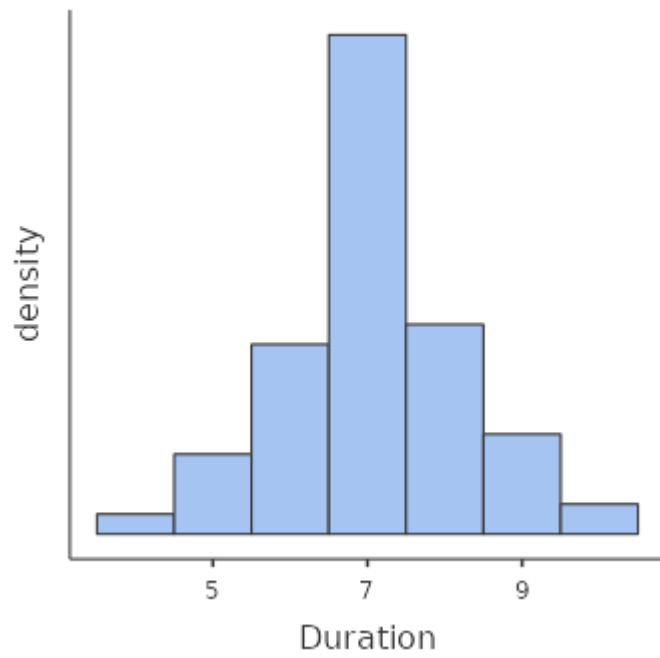
## Descriptives

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  |
| Shapiro-Wilk W      | 0.925  |
| Shapiro-Wilk p      | < .001 |

## Plots

Duration



## Binomial Logistic Regression

object 'XRVyYXRpb24' not found

Model Fit Measures

| Model | Deviance | AIC | R <sup>2</sup> <sub>McF</sub> |
|-------|----------|-----|-------------------------------|
| 1     | .        | .   | .                             |

Model Coefficients - Cured

| Predictor                 | Estimate | SE | Z | p |
|---------------------------|----------|----|---|---|
| Intercept                 | .        | .  | . | . |
| Duration                  | .        | .  | . | . |
| ln_Duration               | .        | .  | . | . |
| Duration *<br>ln_Duration | .        | .  | . | . |

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

Binomial Logistic Regression

Model Fit Measures

| Model | Deviance | AIC | R <sup>2</sup> <sub>McF</sub> | R <sup>2</sup> <sub>CS</sub> | R <sup>2</sup> <sub>N</sub> | Overall Model Test |    |       |
|-------|----------|-----|-------------------------------|------------------------------|-----------------------------|--------------------|----|-------|
|       |          |     |                               |                              |                             | χ <sup>2</sup>     | df | p     |
| 1     | 144      | 148 | 0.0644                        | 0.0841                       | 0.113                       | 9.93               | 1  | 0.002 |
| 2     | 144      | 150 | 0.0644                        | 0.0841                       | 0.113                       | 9.93               | 2  | 0.007 |

Model Comparisons

| Comparison |       |                |    |       |
|------------|-------|----------------|----|-------|
| Model      | Model | χ <sup>2</sup> | df | p     |
| 1          | - 2   | 0.00198        | 1  | 0.964 |

Model Specific ResultsModel 1Model 2

Omnibus Likelihood Ratio Tests

| Predictor    | χ <sup>2</sup> | df | p     |
|--------------|----------------|----|-------|
| Intervention | 9.93           | 1  | 0.002 |

Model Coefficients - Cured

| Predictor  | Estimate | 95% Confidence Interval |       | SE    | Z     | p     | Odds ratio | 95% Confidence Interval |       |
|--|----------|-------------------------|-------|-------|-------|-------|------------|-------------------------|-------|
|  |          | Lower                   | Upper |       |       |       |            | Lower                   | Upper |
| Intercept  | -0.288   | -0.817                  | 0.242 | 0.270 | -1.07 | 0.287 | 0.750      | 0.442                   | 1.27  |
| Intervention:<br>Intervention<br>- No<br>Treatment | 1.229    | 0.445                   | 2.012 | 0.400 | 3.07  | 0.002 | 3.417      | 1.561                   | 7.48  |

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

Assumption Checks

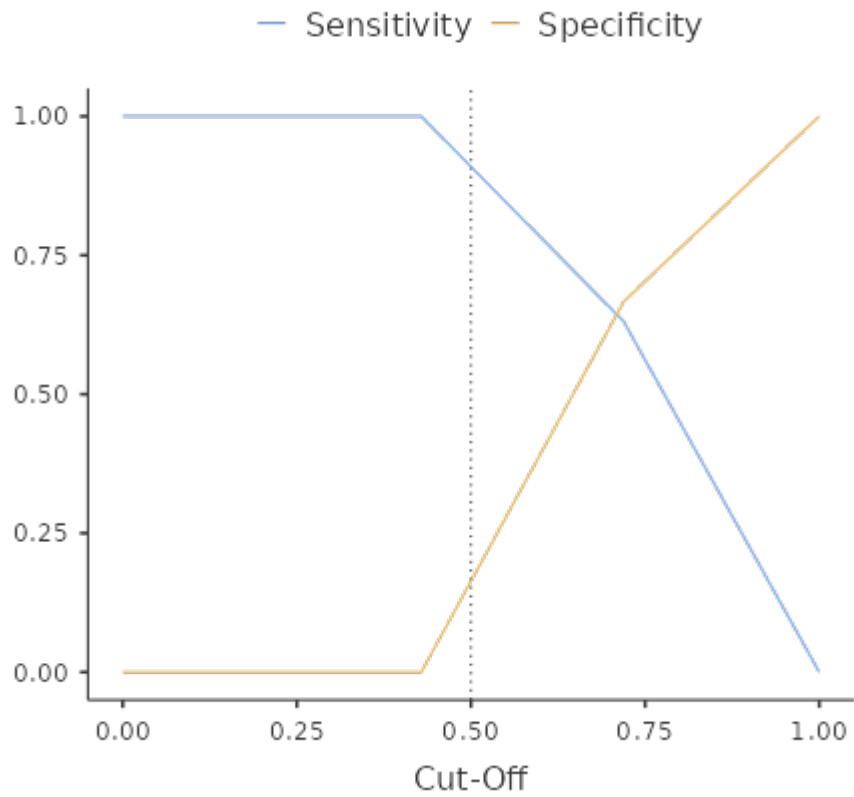
Collinearity Statistics

|              | VIF  | Tolerance |
|--------------|------|-----------|
| Intervention | 1.00 | 1.00      |

[3]

Prediction

Cut-Off Plot

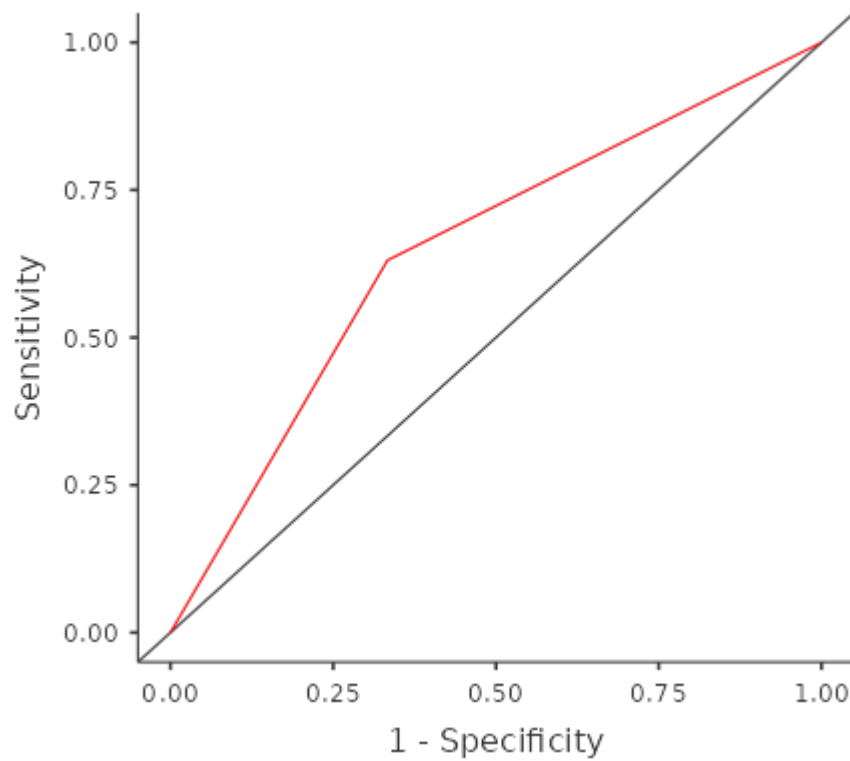


#### Predictive Measures

| Accuracy | Specificity | Sensitivity | AUC   |
|----------|-------------|-------------|-------|
| 0.646    | 0.667       | 0.631       | 0.649 |

*Note.* The cut-off value is set to 0.5

#### ROC Curve



**[4]**

#### Omnibus Likelihood Ratio Tests

| Predictor    | $\chi^2$ | df | p     |
|--------------|----------|----|-------|
| Intervention | 9.31701  | 1  | 0.002 |
| Duration     | 0.00198  | 1  | 0.964 |

**[3]**

Model Coefficients - Cured

| Predictor     | Estimate | 95% Confidence Interval |       | SE    | Z       | p     | Odds ratio | 95% Confidence Interval |       |
|---------------|----------|-------------------------|-------|-------|---------|-------|------------|-------------------------|-------|
|               |          | Lower                   | Upper |       |         |       |            | Lower                   | Upper |
| Intercept     | -0.23466 | -2.627                  | 2.158 | 1.221 | -0.1923 | 0.848 | 0.791      | 0.0723                  | 8.65  |
| Intervention: |          |                         |       |       |         |       |            |                         |       |
| Intervention  |          |                         |       |       |         |       |            |                         |       |
| - No          | 1.23353  | 0.421                   | 2.046 | 0.415 | 2.9755  | 0.003 | 3.433      | 1.5235                  | 7.74  |
| Treatment     |          |                         |       |       |         |       |            |                         |       |
| Duration      | -0.00784 | -0.353                  | 0.337 | 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

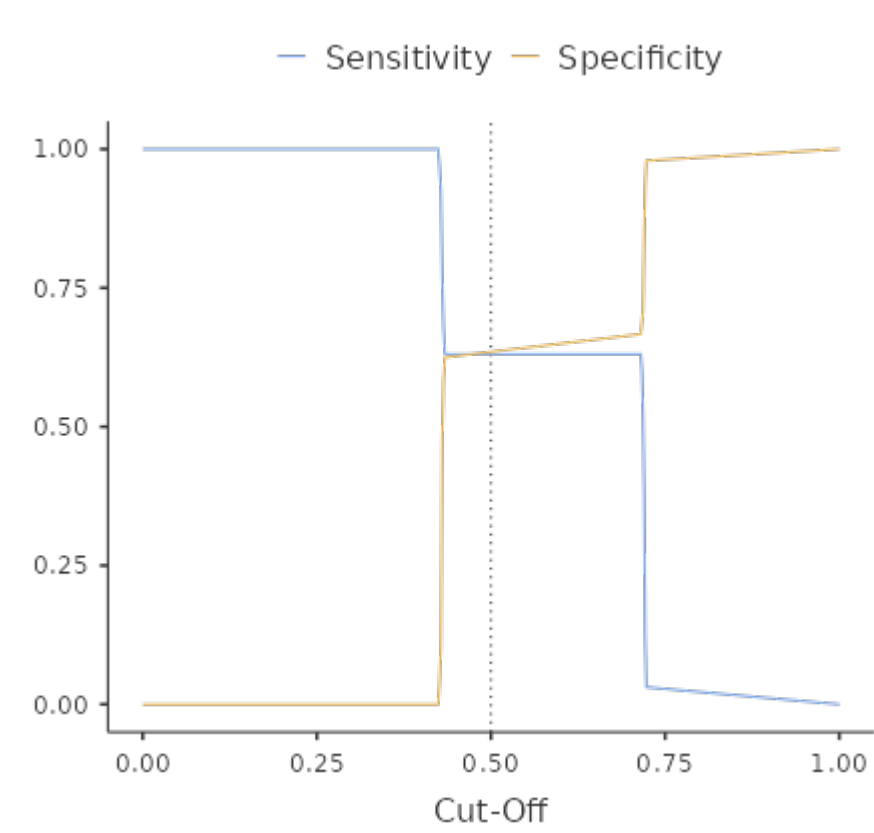
Collinearity Statistics

|              | VIF  | Tolerance |
|--------------|------|-----------|
| Intervention | 1.08 | 0.930     |
| Duration     | 1.08 | 0.930     |

[3]

Prediction

Cut-Off Plot



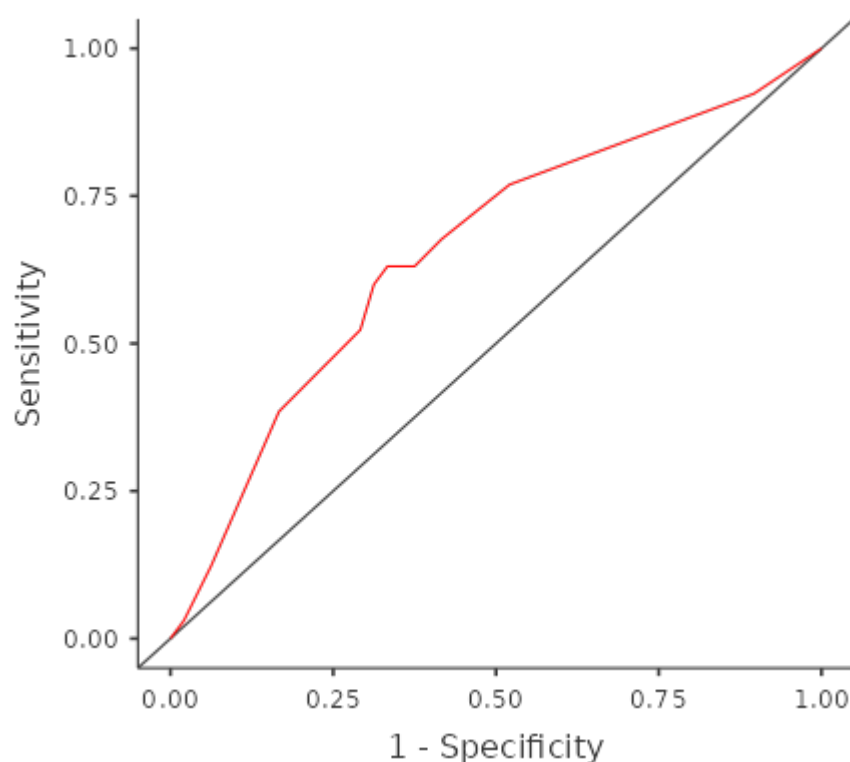
Predictive Measures

| Accuracy | Specificity | Sensitivity | AUC   |
|----------|-------------|-------------|-------|
| 0.646    | 0.667       | 0.631       | 0.658 |

Note. The cut-off value is set to 0.5



## ROC Curve



[4]

## Binomial Logistic Regression

Model Fit Measures

| Model | Deviance | AIC | $R^2_{\text{McF}}$ |
|-------|----------|-----|--------------------|
| 1     | 144      | 148 | 0.0644             |

Model Coefficients - Cured

| Predictor                   | Estimate | SE    | Z     | p     |
|-----------------------------|----------|-------|-------|-------|
| Intercept                   | -0.288   | 0.270 | -1.07 | 0.287 |
| Intervention:               |          |       |       |       |
| Intervention - No Treatment | 1.229    | 0.400 | 3.07  | 0.002 |

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

## 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]** Sing, T., Sander, O., Beerenwinkel, N., & Lengauer, T. (2015). *ROCR: Visualizing the Performance of Scoring Classifiers*. [R package]. Retrieved from <https://cran.r-project.org/package=ROCR>.