

My stat project

a study of awesomeness



Report produced as part of Bio8940

by

Bob Hette

2025-04-29

Presented to
Julien Martin

Table of contents

Introduction	3
Methods	3
Results	3
Discussion	4
References	5

Table of contents

Introduction

This template is developed for Quarto (Allaire et al. 2022). You can add tables, figures and code using R (R Core Team 2023), Python, Julia or Observables. For more info, go to “*R way to hell*” [chapter on reproducible reports](#) and the the Quarto website <https://quarto.org/>

The intro can be brief (~1/2 page) and should include - some background of the general ‘big picture’ and specific problem, - mention of the study system - specific hypotheses and predictions to be tested. This is key since it will be driving your analysis

Methods

- Brief outline of data collection
- Clear explanation of statistical methods used to address the hypotheses/predictions outlined in the introduction

In addition to describing analysis in details it is a good practice to cite all R packages used (see the [gratefulpackage](#) for help with that)

Results

```
dat <- data.frame(a=1:10)
```

No need to show all the code and output here you can use the option “echo: false” and create table and nice figures

Text and visualizations clearly summarizing your results, using parallel structure to methods. Should include :

- clear graphics representing the data and the model outputs,
- tables reporting statistics
- text describing results
- evaluation of model assumption and model fit

```
plot(dat$a)
```

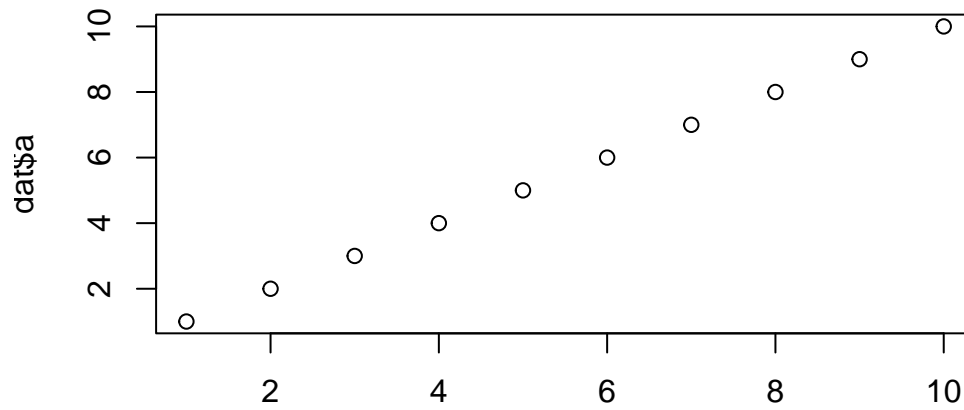


Figure 1: Amazing plot

Discussion

Need to discuss:

- results
- limitations of approach
- problems with data if any

References

- Allaire, J. J., Teague, C., Scheidegger, C., Xie, Y., and Dervieux, C. (2022), “Quarto.” <https://doi.org/10.5281/zenodo.5960048>.
- R Core Team (2023), *R: A language and environment for statistical computing*, Vienna, Austria: R Foundation for Statistical Computing.