

ETC5513: Collaborative and Reproducible Practices

Assignment 1 Rubric

Michael Lydeamore

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Repository Setup

- Commit made not through web interface (will be a message on commit if made through web): **1 point**
- Clear commit messages: Broad messages only get 1 point, detailed messages get **2 points**
- More than one commit: **1 point**
- All files needed to compile report: **2 points**. Deduct 1 if data file is missing, deduct 2 if more files are missing.

Part B: Creating a reproducible report

Quarto Setup

YAML options must contain:

```
format:  
  pdf: default  
  html: default
```

or similar. They can have other options inside their PDF and HTML output formats, as long as both are specified.

1 point

R code chunk for library loading

1 point: Having a chunk that loads libraries

1 point: Having `message: false`, `warning: false` and `echo: false` for the chunk.

Total: **2 points**

Introduction

1 point: Keeping to 4 sentences

1 point: General sentence about the problem

1 point: Why the problem is a problem

1 point: Relevant to the chosen dataset

1 point: Structure of paragraph - sentences link together

Total: **5 points**

Research question

1 point: Keeping to 4 sentences

2 points: Decent motivation

2 points: Relevant to dataset

Dataset introduction

1 point: Link to the data (properly formatted)

1 point: Data description - variables, types, what cleaning done (if any), what the data is about

1 point: Table shows correctly with variable names

1 point: Caption

1 point: Cross-reference to table somewhere in text

Total: **5 points**

Dataset Description

1 point: Must be a subsection (lower level header)

1 point: Screenshot of code included (either syntax is fine)

1 point: Code is sensible

1 point: `head` shows *only 2 rows of data*

1 point: Text includes # of observations and variables

Total: **5 points**

Results

1 point: Maximum two figures that are showing in text

1 point: Captions on both figures

2 points: Bullet points describing what is in the figure and how it relates to the question

1 point: Cross-referenced in text.

Only deduct missing elements (caption, titles etc) *once* even if missing on both figures.

Total: **5 points**

Additional:

Template

- Default gets 1 point
- +1 point for choosing a template that isn't default
- +1 point for correct usage of headers and sections that are showing on the page
- Up to 2 points for other styling choices that *help*. Be strict with this, I don't expect many 5s here.

Spelling and grammar

Up to -5. Use your discretion, -5 means almost unreadable grammar.

If any students get -5 please let me know as they will need language support going forward.

R code style

Default here is 5 points, deduct for:

- Lack of indenting
- *Very* poor variable names
- Extremely long lines

Report quality

Discretion needed here. Look at how the report flows. If elements of report block readability, deduct mark per.

For example, if code is being output that disrupts flow, that is -1 mark. If there is a broken cross-reference, -1 mark.

We're not expecting super polished research reports, but just a table and 2 plots with no linking comments is not a report.

Maximum grade: 50 points