Paper 1 [working title]*

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Abstract

First sentence is super broad and motivational. Second sentence is more specific on what I did. Third sentence. Fourth sentence is something about our findings.

1 Introduction

First paragraph is first sentence from abstract but add more water.

Second paragraph is about what was done and what was found.

Third paragraph is about implications (final sentence but add water)

The remainder of this paper is: Section 2 explains the data. Section 5 covers results . . .

2 Data

Paragraph or two introducing the data set broadly. We obtain our data set from the City of Toronto open Data Portal, using the `opentorontodata` package (Gelfand 2020) and the statistical programming language R (R Core Team 2020).

Then show an extract of the data set (Table 1.

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --
## v ggplot2 3.3.5     v purrr   0.3.4
## v tibble  3.1.6     v dplyr   1.0.7
## v tidyr   1.2.0     v stringr 1.4.0
## v readr   2.1.2     v forcats 0.5.1
## Warning: package 'tibble' was built under R version 4.1.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## Warning: package 'knitr' was built under R version 4.1.2
## Rows: 1054 Columns: 25
## -- Column specification ---------------------------------------------------------
## Delimiter: ","
## chr  (8): ADDRESS, APPLICATION_FOR, BALLOTS_NEEDED_TO_PROCEED_LBL, PASS_RAT...
## dbl (14): _id, BALLOTS_BLANK, BALLOTS_CAST, BALLOTS_DISTRIBUTED, BALLOTS_IN...
## date  (3): CLOSE_DATE, MORATORIUM_DATE, OPEN_DATE
##
```

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*Code and data are available at: https://github.com/pengwinny/starter_folder.

Table 1: First ten rows of a dataset of economic indicators for Australia, Ethiopia, India, and the US

Poll Result	Response Rate
In Favour	Yes
In Favour	Yes
In Favour	Yes
Response Rate Not Met	No
In Favour	Yes
Response Rate Not Met	No
Response Rate Not Met	No
In Favour	Yes
Response Rate Not Met	No
In Favour	Yes

```
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

Paragraph or two more about Table.

We are interested in the relationship between A and B.

Figure X shows the relationship between Y and Z.

Talk more about it.

Also bills and their average. (Notice how you can change the height and width so they don't take the whole page?)

3 {r billssssss, fig.cap="More bills of penguins," echo = FALSE, fig.width=8, fig.height=4}

Talk way more about it.

4 Model

$$Pr(\theta|y) = \frac{Pr(y|\theta)Pr(\theta)}{Pr(y)} \tag{1}$$

Equation (1) seems useful, eh?

We can use maths by including latex between dollar signs, for instance θ.

5 Results

Appendix

A Additional details

References

Gelfand, Sharla. 2020. *Opendatatoronto: Access the City of Toronto Open Data Portal.*

R Core Team. 2020. *R: A Language and Environment for Statistical Computing.* Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org/.