

STA304 Paper #1*

My subtitle if needed

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Abstract

First sentence. Second sentence. Third sentence. Fourth sentence.

1 Introduction

First Paragraph is going to be motivational and broad.

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

Third paragraph is about implications.

Final Paragraph about the remainder of the paper.

Here's a dumb example of how to use some references: In paper we run our analysis in **R** (R Core Team 2020). We also use the **tidyverse** which was written by (Wickham et al. 2019) If we were interested in baseball data then could be useful. (Xie 2016) also (Xie 2014) data (Gelfand 2020)

2 Data

Paragraph or two introducing the dataset broadly.

Then show an extract of the dataset (Table 1).

Paragraph or two more about it

*Code and data are available at: <https://github.com/HanFrank/STA304-Paper-1>

Table 1: First ten rows of a dataset that shows shelter usage

Population Group	Number returned from housing
All Population	64
Chronic	12
Refugees	15
Families	15
Youth	8
Single Adult	41
Non-refugees	49
All Population	76
Chronic	13
Refugees	19

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

Talk way more about it.

3 Discussion

3.1 First discussion point

3.2 Second discussion point

3.3 Third discussion point

3.4 Weaknesses and next steps

Weaknesses and next steps should also be included.

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/>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.
- Xie, Yihui. 2014. “Knitr: A Comprehensive Tool for Reproducible Research in R.” In *Implementing Reproducible Computational Research*, edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng. Chapman; Hall/CRC. <http://www.crcpress.com/product/isbn/9781466561595>.
- . 2016. *Bookdown: Authoring Books and Technical Documents with R Markdown*. Boca Raton, Florida: Chapman; Hall/CRC. <https://bookdown.org/yihui/bookdown>.