

# Religious Locations of Toronto TBD\*

Eunkyo Oh

05 February 2022

## Abstract

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

## 1 Introduction

Use the first setence of the abstract to make a paragraoh

Second paragraph is about twhat was done and what was found. (setence 2,3 of abstaact)

Third paragph is about implications (final sentence)

Final paragraph about the remainder of the paper. Section something explains the data section something covbers results....

You can and should cross-reference sections and sub-sections. For instance, Section 2. R Markdown automatically makes the sections lower case and adds a dash to spaces to generate labels, for instance, Section 5.1. A

## 2 Data

Paragraph or two describing data broadly. We obtain our dataset from the City of Toronto open dAta Portal, using the `opendatatoronto` package (Gelfand 2020) and the statistical programming language R (R Core Team 2020)

Show an extract of the dataset wiht knitr and cable like how it is on the book (Table 1)

```
library(tidyverse)
library(knitr)
religious_locations <- read_csv(here::here("inputs/data/religious_locations.csv"))
```

```
## Rows: 1407 Columns: 45
```

```
## -- Column specification -----
## Delimiter: ","
## chr (30): ADDRESS_NUMBER, LINEAR_NAME_FULL, ADDRESS_FULL, POSTAL_CODE, MUNIC...
## dbl (11): _id, ADDRESS_POINT_ID, GENERAL_USE_CODE, CENTRELINE_ID, LO_NUM, HI...
## lgl (4): X, Y, LONGITUDE, LATITUDE
```

---

\*Code and data are available at: <https://github.com/oheunkyo/paper1>.

Table 1: First ten rows of a dataset of places of worship for religious purposes for in Greater Toronto Area

Municipality	Name of Location	Religion of Practice
former TORONTO	Church Of Jesus Christ Of La	Christian
former TORONTO	Dufferin St Baptist Church	Christian
former TORONTO	Dovercourt Presbyterian Chur	Christian
former TORONTO	Dovercourt Baptist Church	Christian
former TORONTO	Belarussian Autocephlous	Christian
former TORONTO	The Buddhist Association Of C	Buddhist
former TORONTO	Buddhist Association of Canada	Buddhist
former TORONTO	Church Of The Crusaders	Christian
former TORONTO	Britten Memorial Church	Christian
former TORONTO	Our Lady Of Croatia	Catholic

```
##
## 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.
```

```
religious_locations |>
  select(MUNICIPALITY, FTH_ORGANIZATION, FTH_FAITH) |>
  slice(1:10) |>
  kable(
    caption = "First ten rows of a dataset of places of worship for religious
purposes for in Greater Toronto Area",
    col.names = c("Municipality", "Name of Location", "Religion of Practice"),
    digits = 1,
    booktabs = TRUE,
    linesep = ""
  )
```

Paragraph or two more bout Table 1

We are interested in the relationship of each religion

Maybe also on religious location per capita for each municipality

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

### 3 Model

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

Equation (1) seems useful, eh?

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 (`citeLahman?`) could be useful.

We can use maths by including latex between dollar signs, for instance  $\theta$ .

## **4 Results**

## **5 Discussion**

### **5.1 First discussion point**

If my paper were 10 pages, then should be at least 2.5 pages. The discussion is a chance to show off what you know and what you learnt from all this.

### **5.2 Second discussion point**

### **5.3 Third discussion point**

### **5.4 Weaknesses and next steps**

Weaknesses and next steps should also be included.

## Appendix

### A Additional details

## References

- Gelfand, Sharla. 2020. *Opendatatoronto: Access the City of Toronto Open Data Portal*. <https://CRAN.R-project.org/package=opendatatoronto>.
- 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>.