COVID-19 Cases in Toronto*

My subtitle if needed

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Abstract

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

1 Introduction

first para: motivational and broad second para: what was done and what was found 3rd para: implications

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

2 Data

para or 2 introducing the dataset briefly

then show extract of dataset using kable (Table 1)

```
covid_data <-
  read_csv(here::here("inputs/data/covid_data.csv")) %>%
  clean_names()
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   `_id` = col_double(),
##   Assigned_ID = col_double(),
##   `Outbreak Associated` = col_character(),
##   `Age Group` = col_character(),
##   `Neighbourhood Name` = col_character(),
##   FSA = col_character(),
##   `Source of Infection` = col_character(),
##   Classification = col_character(),
##   `Episode Date` = col_date(format = ""),
##   `Reported Date` = col_date(format = ""),
##   `Client Gender` = col_character(),
##   Outcome = col_character(),
##   `Currently Hospitalized` = col_character(),
```

*Code and data are available at: https://github.com/jacobyokehongsi/starter_folder-main.

Table 1: First ten rows of a dataset that shows age, neighbourhood and date

Age Group	Neighbourhood	Episode Date
30 to 39 Years	Rouge	2021-12-27
30 to 39 Years	Scarborough Village	2021-12-25
40 to 49 Years	Bay Street Corridor	2021-12-24
50 to 59 Years	Bay Street Corridor	2021-12-28
20 to 29 Years	Wexford/Maryvale	2021-12-22
20 to 29 Years	Cliffcrest	2021-12-25
19 and younger	Scarborough Village	2021-12-25
60 to 69 Years	Humber Heights-Westmount	2021-12-24
30 to 39 Years	NA	2021-12-20
20 to 29 Years	High Park-Swansea	2021-12-26

```
##   `Currently in ICU` = col_character(),
##   `Currently Intubated` = col_character(),
##   `Ever Hospitalized` = col_character(),
##   `Ever in ICU` = col_character(),
##   `Ever Intubated` = col_character()
## )
```

```
covid_data |>
  select(age_group, neighbourhood_name, episode_date) |>
  slice(1:10) |>
  kable(
    caption = "First ten rows of a dataset that shows age, neighbourhood and date",
    col.names = c("Age Group", "Neighbourhood", "Episode Date"),
    booktabs = TRUE,
    linesep = ""
  )
```

Talk more about it.

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 Model

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

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 Friendly et al. (2020) could be useful.

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

4 Results

5 Discussion

5.1 First discussion point

If my paper were 10 pages, then should be 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

Friendly, Michael, Chris Dalzell, Martin Monkman, and Dennis Murphy. 2020. *Lahman: Sean 'Lahman' Baseball Database*. https://CRAN.R-project.org/package=Lahman.

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 Grolemund, et al. 2019. "Welcome to the tidyverse." *Journal of Open Source Software* 4 (43): 1686. https://doi.org/10.21105/joss.01686.