# STA304 Tutorial Week 3

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### Setup

```
(Gelfand 2020) In this tutorial we use R Core Team (2020)
```

#### **Data Cleaning**

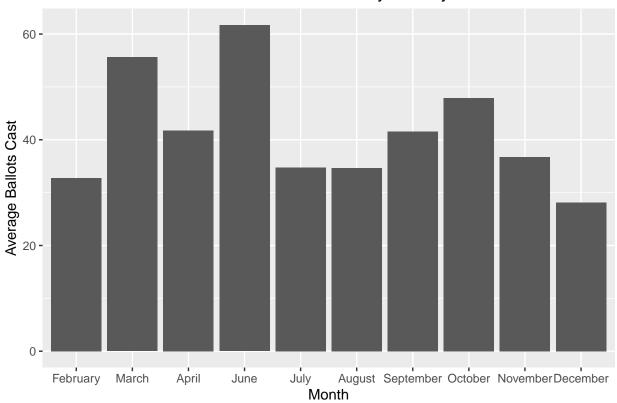
```
#Polls conducted by the city
polls <-
    list_package_resources("7bce9bf4-be5c-4261-af01-abfbc3510309") %>%
    filter(tolower(format) %in% c('csv', 'geojson')) %>%
    # filter(row_number()==1) %>%
    get_resource()

#Clean dataset
polls_clean <-
    polls %>%
    clean_names() %>%
    select(id, ballots_cast, open_date) %>% # Select only the columns needed
    mutate(open_date = as_date(open_date)) %>% # Mutate the open_date column so that all values are in da
    filter(open_date >= as_date("2021-01-01")) # filter the dataset so that only the
```

#### Graph

Below is a histogram that showcases the average ballots cast in city-conducted polls in Toronto, 2021.

# Ballots Cast in Totonto in Polls Conducted by the City in 2021



## GitHub Repo

https://github.com/zhan7818/STA304-Winter-2022.git

### Citations

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/.