

My title*

My subtitle if needed

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

1 Introduction

You can and should cross-reference sections and sub-sections. We use R Core Team (2023), Gelfand (2022).

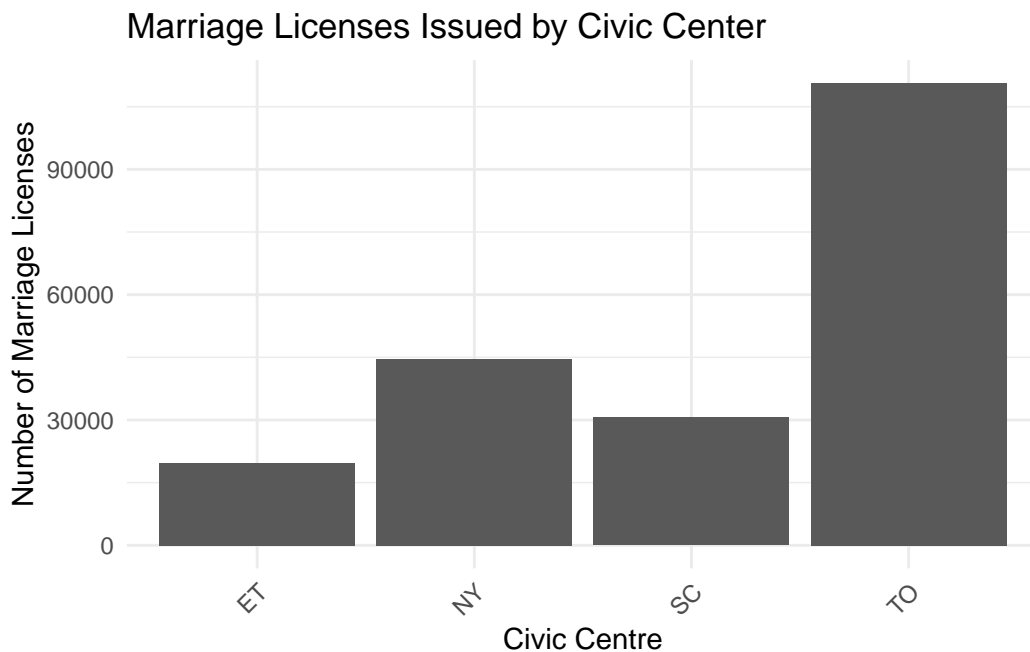
2 Data

```
# Assuming your data is in a dataframe called 'raw_data', inspect the data first  
head(data)
```

```
# A tibble: 6 x 6  
  id civic_centre marriage_licenses year month date  
  <dbl> <chr>          <dbl> <dbl> <chr> <date>  
1 15381 ET              80  2011 01 2011-01-01  
2 15382 NY             136  2011 01 2011-01-01  
3 15383 SC             159  2011 01 2011-01-01  
4 15384 TO             367  2011 01 2011-01-01  
5 15385 ET             109  2011 02 2011-02-01  
6 15386 NY             150  2011 02 2011-02-01
```

*Code and data are available at: [LINK](#).

```
# Create a bar chart: count of marriage licenses by civic center
ggplot(data, aes(x = civic_centre, y = marriage_licenses)) +
  geom_bar(stat = "identity") + # 'identity' is used to plot the actual values
  labs(
    title = "Marriage Licenses Issued by Civic Center",
    x = "Civic Centre",
    y = "Number of Marriage Licenses"
  ) +
  theme_minimal() + # Optional: for a clean theme
  theme(axis.text.x = element_text(angle = 45, hjust = 1)) # Rotate x-axis labels if needed
```



The bar chart illustrates the number of marriage licenses issued across various civic centers. Toronto (TO) stands out with a significantly higher number of marriage licenses compared to Scarborough (SC), North York (NY), and Etobicoke (ET), indicating that TO processes a much larger volume of licenses than the other centers.

3 Discussion

3.1 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.

3.2 Second discussion point

3.3 Third discussion point

3.4 Weaknesses and next steps

Weaknesses and next steps should also be included.

Appendix

A Additional data details

References

- Gelfand, Sharla. 2022. *Opendatatoronto: Access the City of Toronto Open Data Portal*.
<https://CRAN.R-project.org/package=opendatatoronto>.
- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.