Analysis of Toronto's Red Light Cameras

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January 22, 2024

Red light Camera's serve a number of uses for the municple governemnt of Toronto.Firstly, they police the roads, creating a safer city. Secondly, they generate revenue for the city. In this paper I analyze the data red light camera data provided by opendatatoronto to determine if red light cameras are effective at either of the reasons listed above.

1 Introduction

In Toronto the the fine for entering an intersection during a red light, and being caught by a red light camera is 325CAD (Toronto 2024). This is a very large fine which most would like to avoid however, since 2007 the, red light cameras across the city have issued thousands of tickets (Gelfand 2022). The total number of tickets issued in 2022 was 129900. This would imply the red light cameras generated `{r}129900*325`CAD worth of revenue for the city of Toronto.

You can and should cross-reference sections and sub-sections.

The remainder of this paper is structured as follows. Section 2....

```
#ggplot(cleaned_data, aes(x =cleaned_data$`Charges Laid by Location & Year`, y = "Richmond
#         geom_bar()
```

2 Data

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

B Model details

B.1 Posterior predictive check

References

Gelfand, Sharla. 2022. "Opendatatoronto: Access the City of Toronto Open Data Portal." https://sharlagelfand.github.io/opendatatoronto/.

Toronto, City of. 2024. "Red Light Cameras." https://www.toronto.ca/services-payments/streets-parking-transportation/traffic-management/pavement-markings/red-light-cameras/.