

Efficacy of Toronto's Automated Speed Enforcement Cameras

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Task Formulation & Approach

The City of Toronto is avid on regulating and enforcing traffic laws, especially speeding laws. The city first introduced the Automated Speed Enforcement (ASE) system in 2019, and saw the first 50 ASE cameras being installed in July of 2020.

Drivers who are caught speeding by a camera are tagged by their carplates, and are charged at different rates depending on their speed. As per the Ontario Court of Justice (Cheif of Justice (2024)), the charges are as follows:

| | |
|------------------------------|---------------|
| 1-19 km/h above speed limit | \$5.00/km |
| 20-29 km/h above speed limit | \$7.50/km |
| 30-49 km/h above speed limit | \$12.00/km |
| 50+ km/h above speed limit | Court Settled |

In this paper, we will investigate the efficacy of the ASE system in Toronto in 2023. We will take a look at how many charges were laid by ASE cameras per month, and compute interesting statistics and values like potential revenue.

Data

References

Cheif of Justice, Office of the. 2024. "Schedule d Highway Traffic Act Speeding – Community Safety Zone." <https://www.ontariocourts.ca/ocj/provincial-offences/set-fines/set-fines-i/schedule-43/>.