

# Toronto's red light cameras annal change\*

## Trend of change

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The number of red light cameras is generally increasing year by year, but the number of cameras on certain road sections has increased significantly, while the number of cameras on some road sections has not changed much.

## 1 Introduction

As a novice driver who has just passed the driver's license exam, I often see people driving in Toronto without stopping at red lights. I think it may be because there are not enough red light cameras in Toronto, and the government has not invested enough funds to maintain traffic order. So, I want to know the changes in the number of red light cameras in Toronto and their locations. Are they really too few to capture cars running red lights?

Section 2....

## 2 Data

I summarized the number of red light cameras for three different roads in different years and ues 'kable()' from 'knitr' to create **?@tbl-toronto**

Attaching package: 'kableExtra'

The following object is masked from 'package:dplyr':

`group_rows`

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\*Code and data are available at: <https://github.com/simon0202sui/Toronto-red-light-cameras-change.git>.

Table 1: Bills of penguins

Year	Street	Max Number
2007	Lake Shore Blvd W	0205
2007	Richmond St E	0223
2007	Steeles Ave W	1564
2008	Lake Shore Blvd W	0229
2008	Steeles Ave W	1208
2009	Lake Shore Blvd W	0241
2017	Lake Shore Blvd W	0230
2017	Steeles Ave W	1289
2018	Steeles Ave W	0619
2019	Steeles Ave W	1232
2021	Lake Shore Blvd W	1747
2021	Steeles Ave W	1486
2023	Steeles Ave W	1209

``summarise()`` has grouped output by 'Year'. You can override using the ``groups`` argument.

```
# A tibble: 13 x 3
# Groups:   Year [8]
  Year LINEAR_NAME_FULL_1 Max_Number
  <chr> <chr>              <chr>
1 2007 Lake Shore Blvd W 0205
2 2007 Richmond St E    0223
3 2007 Steeles Ave W    1564
4 2008 Lake Shore Blvd W 0229
5 2008 Steeles Ave W    1208
6 2009 Lake Shore Blvd W 0241
7 2017 Lake Shore Blvd W 0230
8 2017 Steeles Ave W    1289
9 2018 Steeles Ave W    0619
10 2019 Steeles Ave W    1232
11 2021 Lake Shore Blvd W 1747
12 2021 Steeles Ave W    1486
13 2023 Steeles Ave W    1209
```

### 3 References