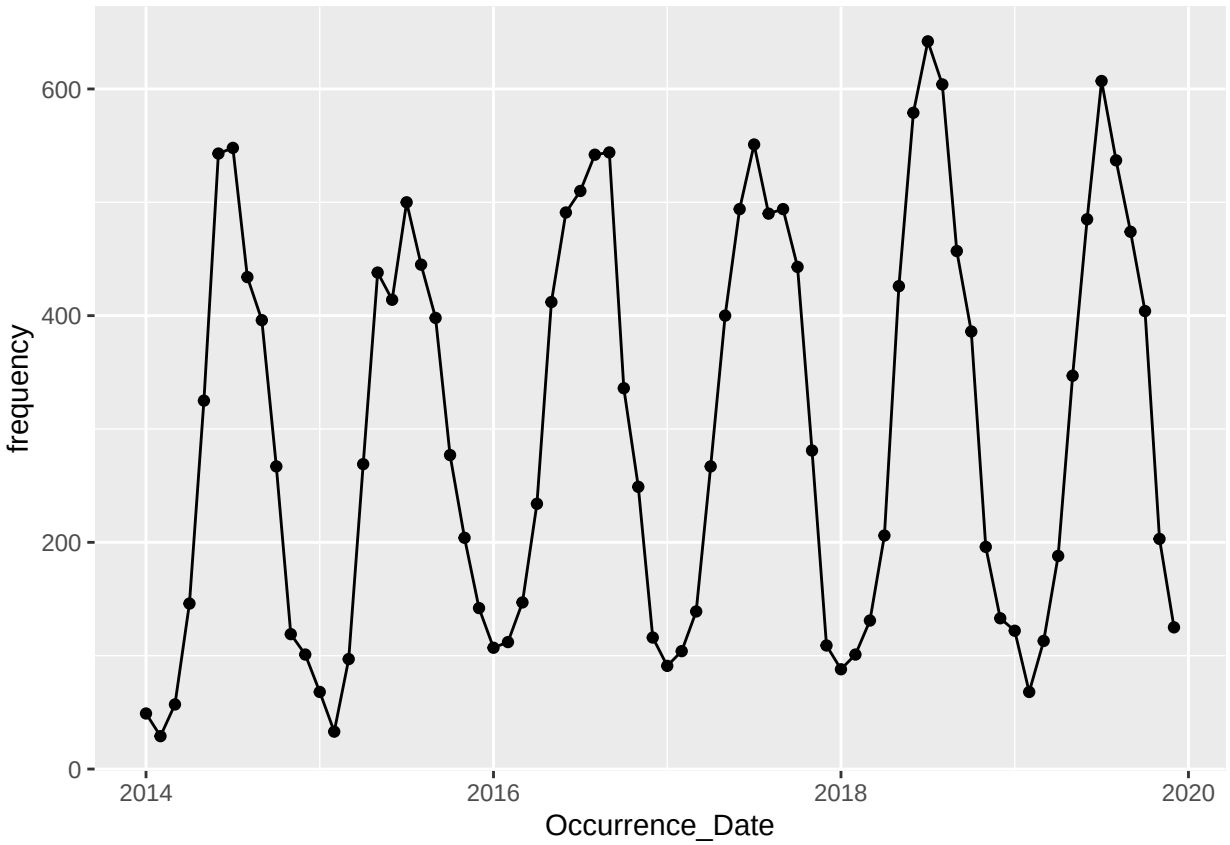
How Bike Theft Trends in Toronto Have Changed Over Time

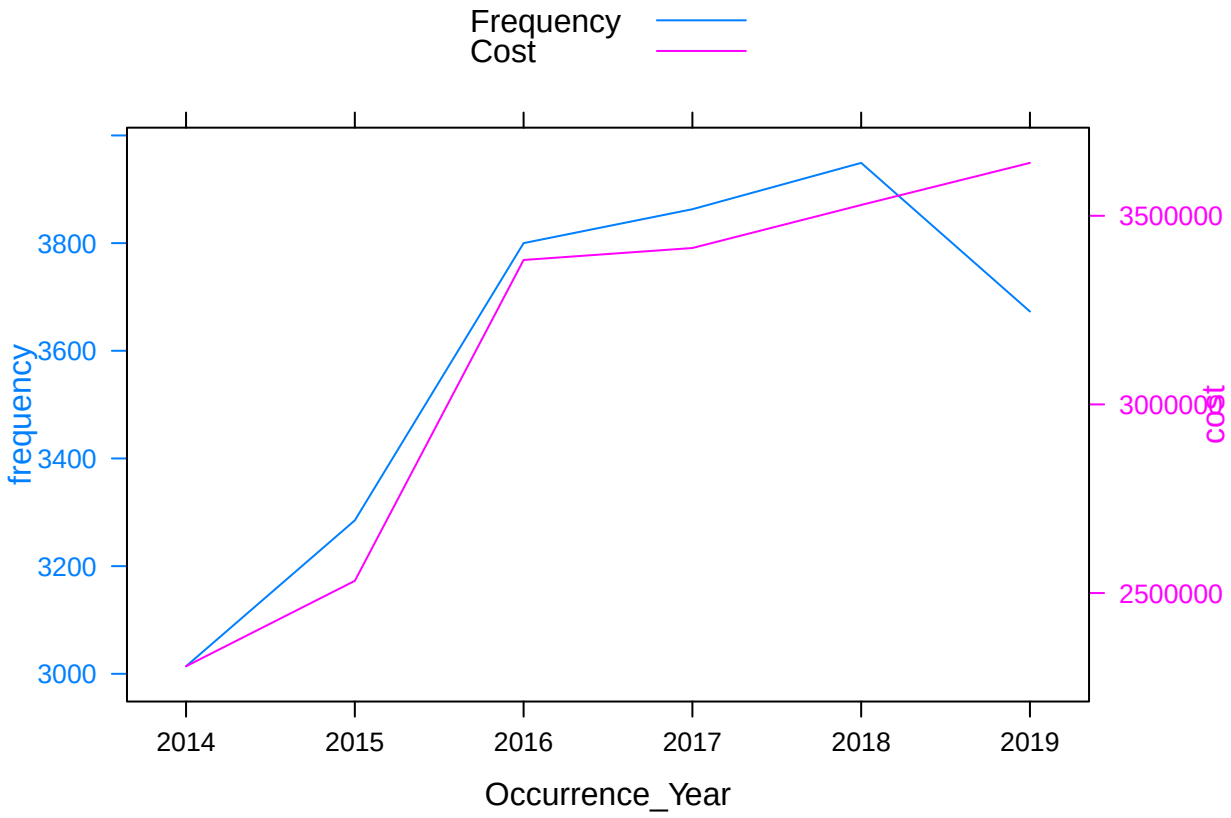
And How Cyclists Can Leverage This Information to Keep Their Bikes Safe

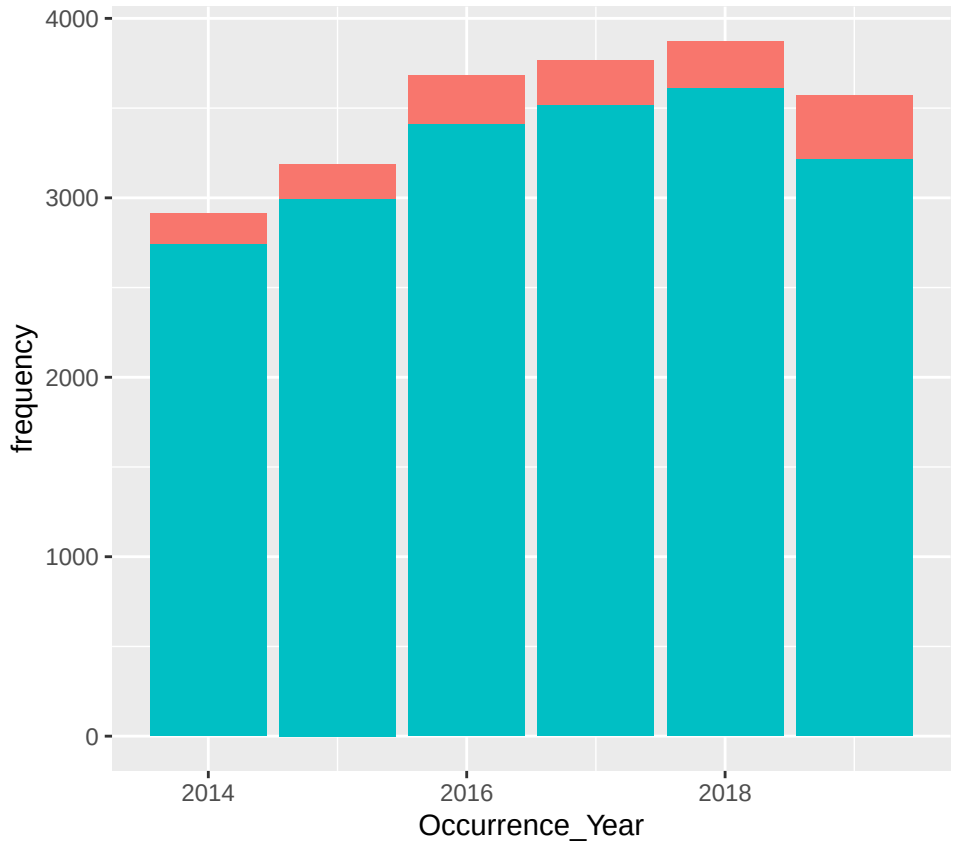
Ricky Yuen, Xinyi Zhang

3/5/2021

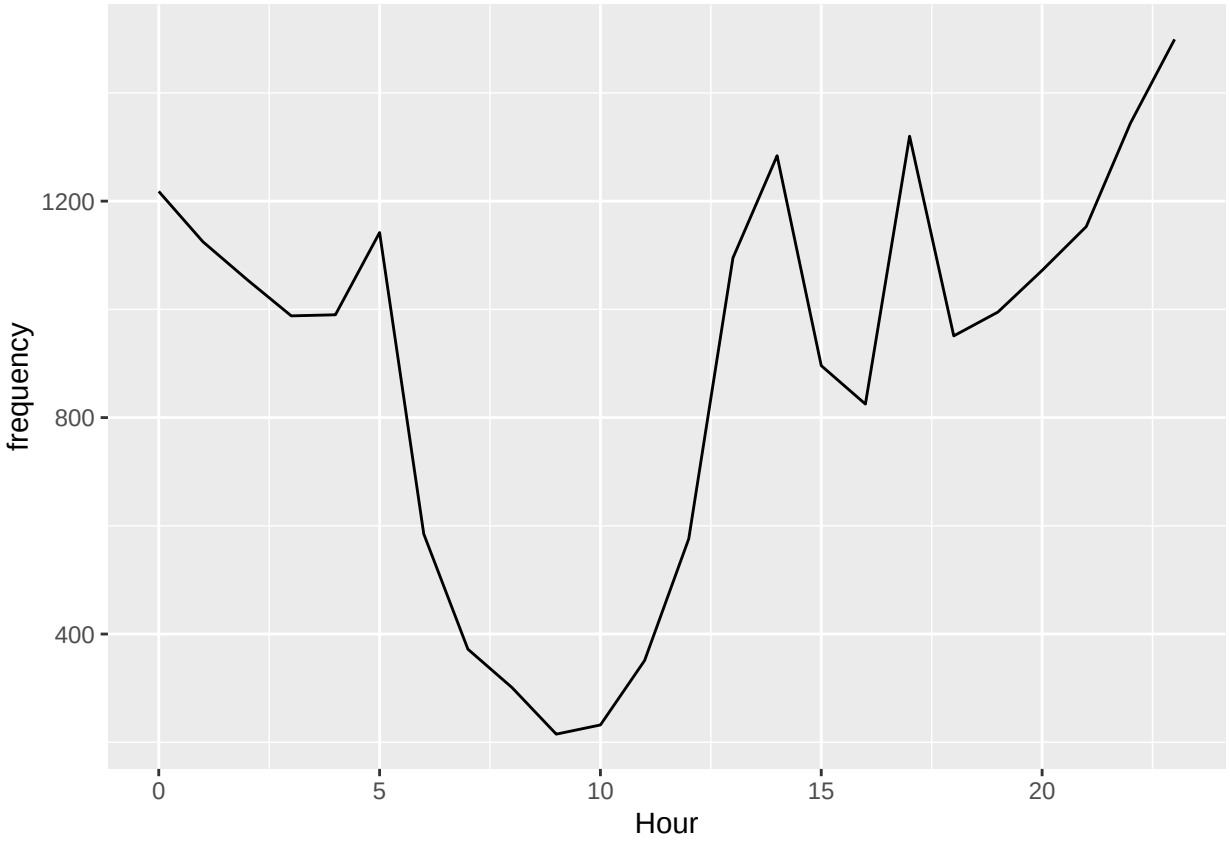
- bike purchase
- risk assessment
- if and how they changed over time
- bike features and risk factors associated with bike theft story
- meaningful title
- introduction: goal
- clear sections with meaningful section headers
- for each visualization: what question the visualization addresses
  - what the reader should see that is useful/interesting for understanding the story
  - how its analysis leads to new question and the visualization that follows
- summarize main finding and actionable insights
- trends over months and years
- costs over time

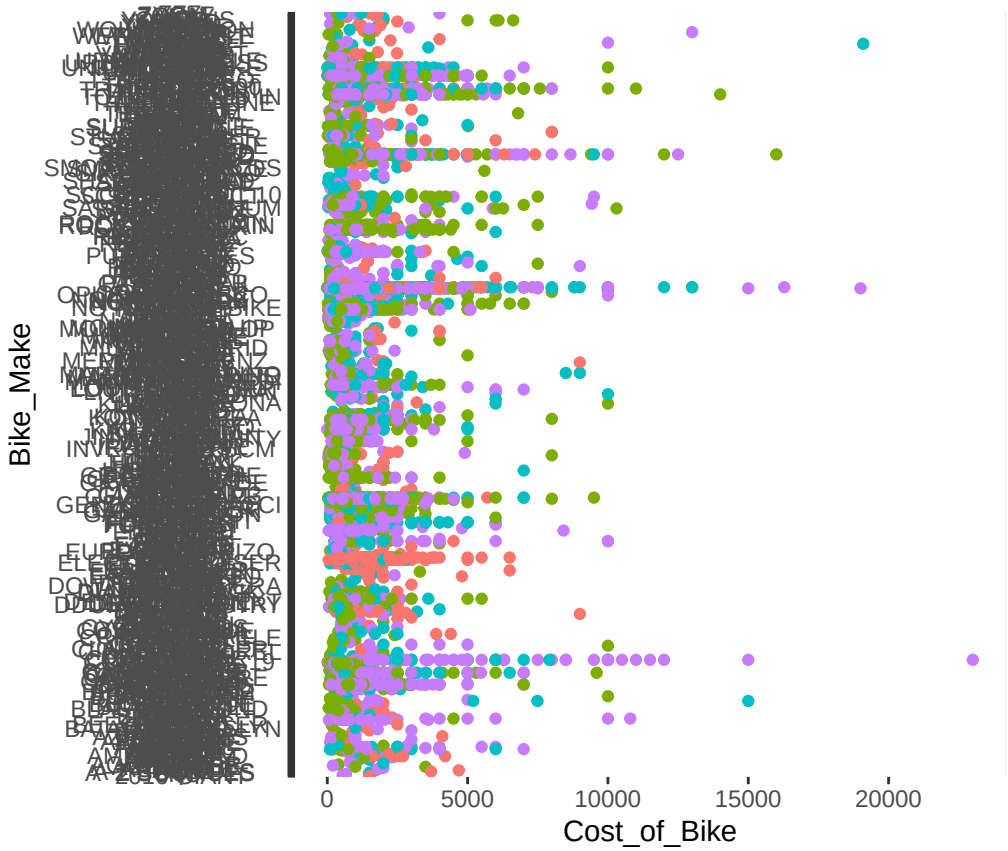

600
400
200
0
frequency
2014
2016
2018
2020
Occurrence_Date


Frequency
Cost
3800
3600
3400
3200
3000
frequency
3500000
3000000
2500000
cost
2014
2015
2016
2017
2018
2019
Occurrence_Year



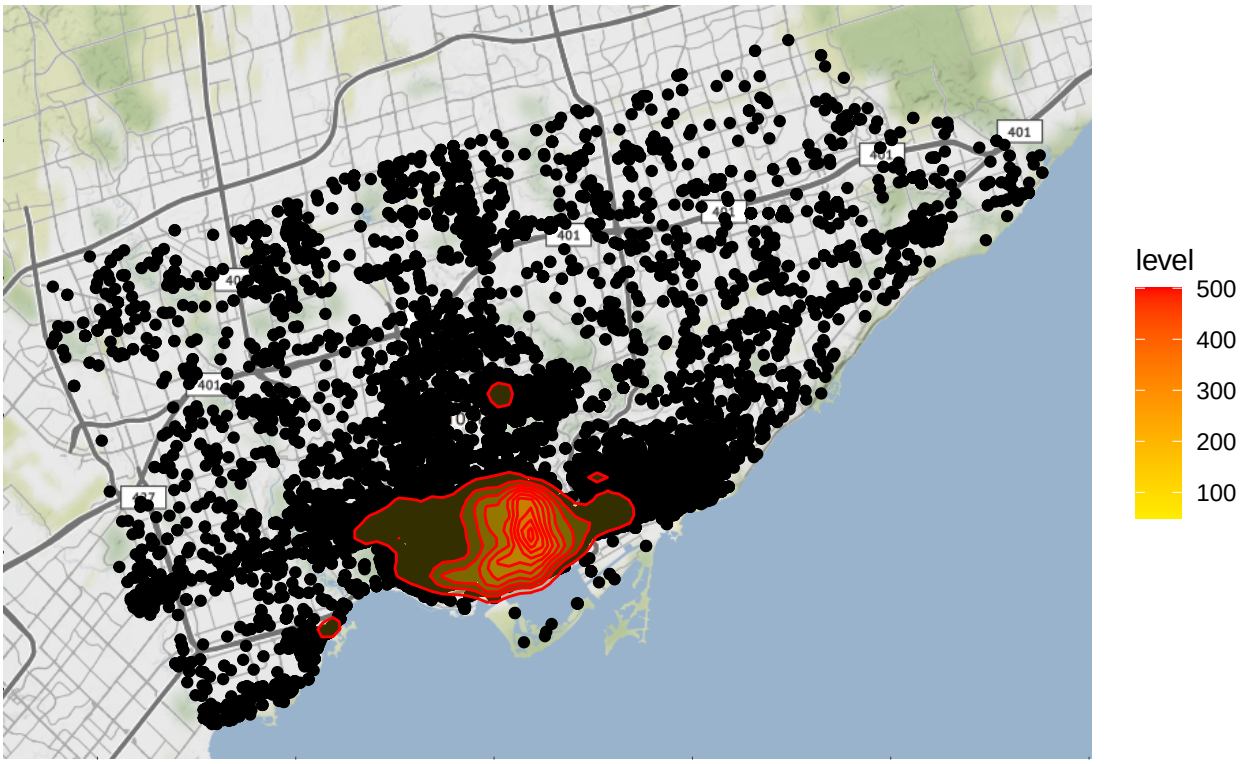
- primary offense over time
- time of day

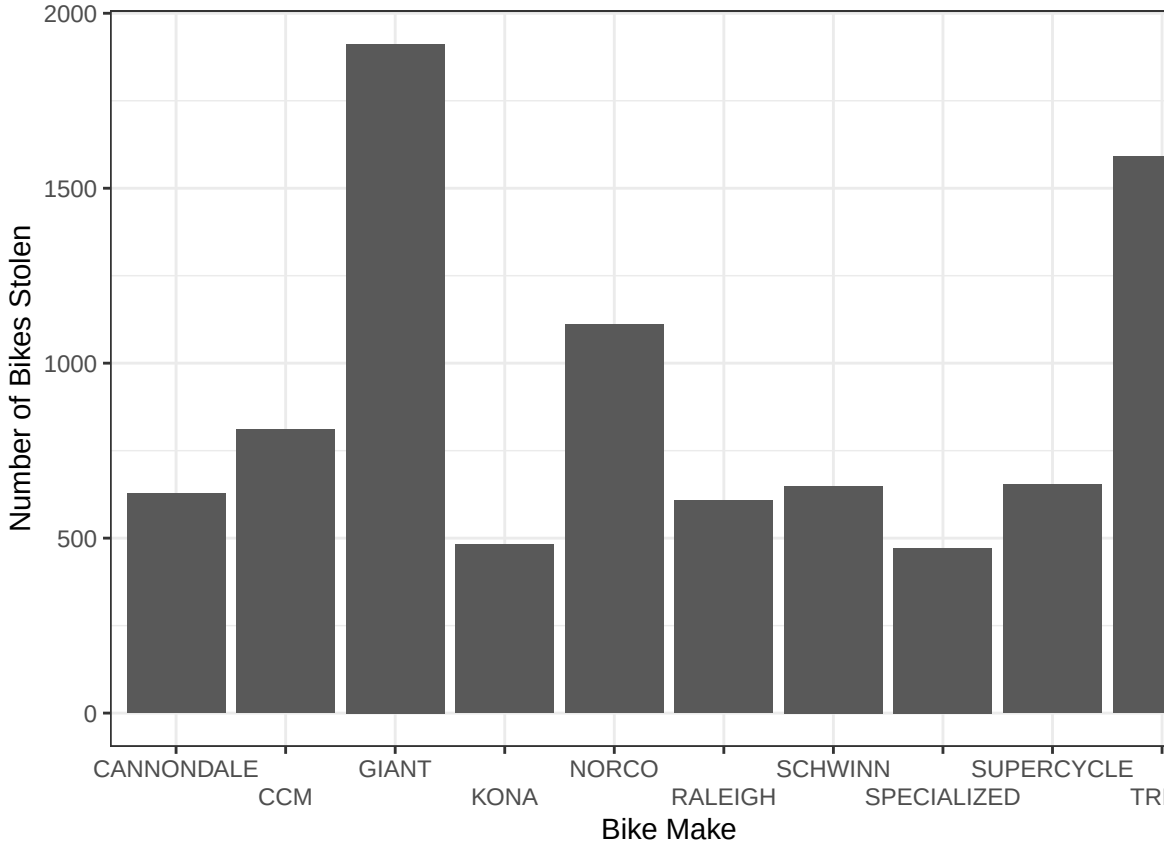

frequency
1200
800
400
0
5
10
15
20
Hour



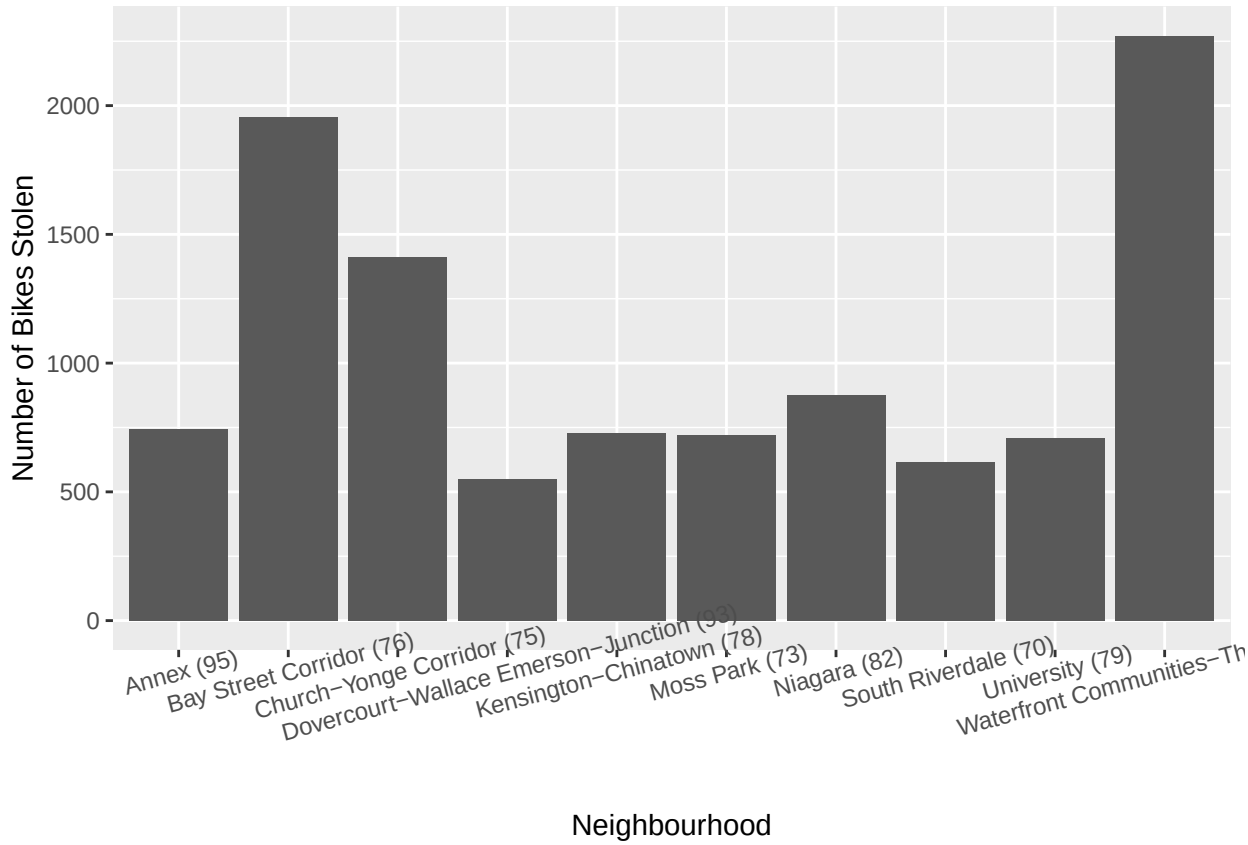
- type, make, speed, color

- location of theft
- location of most thefts
- density map of stolen bikes
- location of thefts

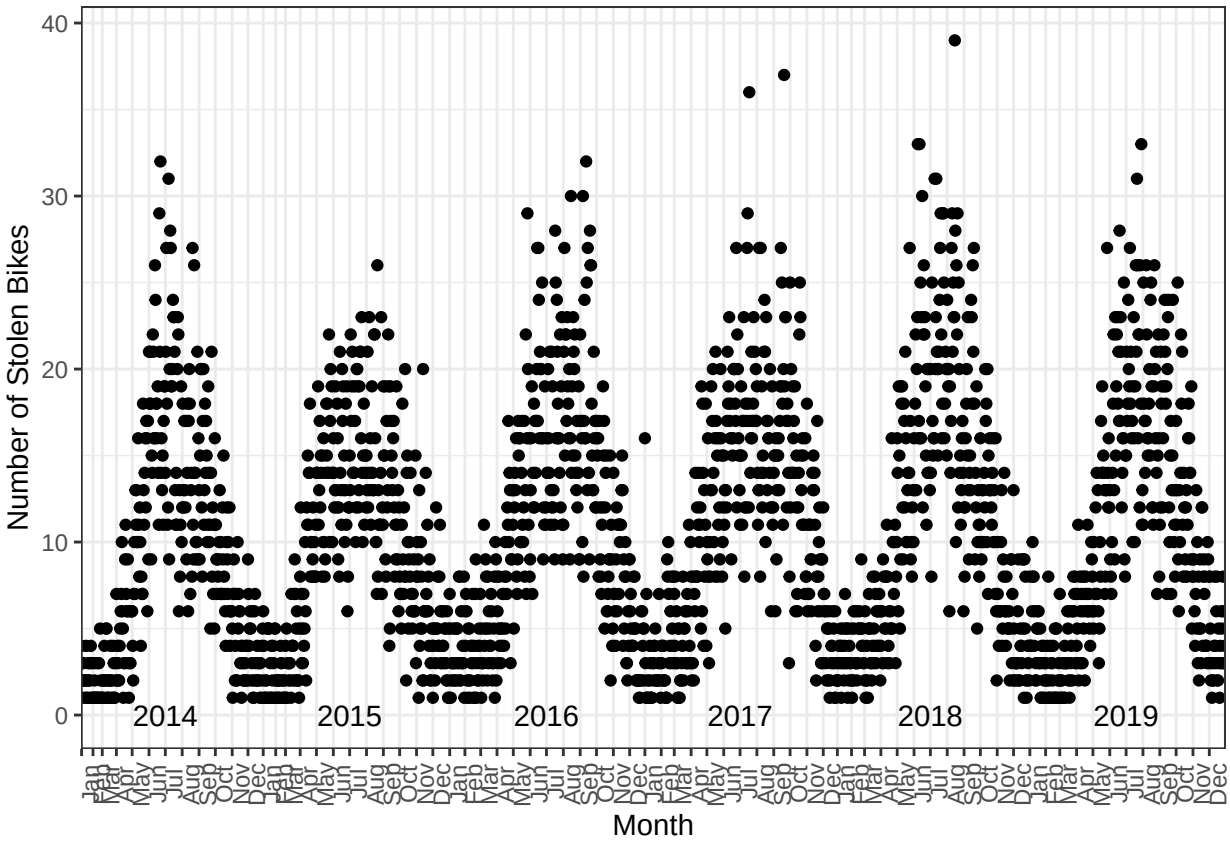

401
401
401
401
401
level
500
400
300
200
100



- most stolen bike make
- Which neighbourhood had the most bikes stolen from



- Month and Year vs Number of Bikes stolen


Number of Stolen Bikes
40
30
20
10
0
2014
2015
2016
2017
2018
2019
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Month