



# Toronto Event-Crime Correlation

Saman Nasoori

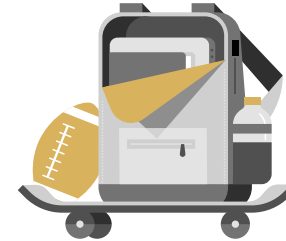


# Market impact



Music

Market size: 300M+



Sports

Market size: 400M+

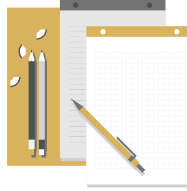


# Overview:



- Major crimes ( DUI, Assaults, Robbery, Theft)
- Downtown Toronto : Scotiabank Arena, Rogers Center, Budweiser Stage
- Analyzing crime patterns with respect to the time and location





# The Data



## Major Crime Report

---

- Source: Toronto police department
- Shape: entries 360k , 31 features
- Clean data

## Events

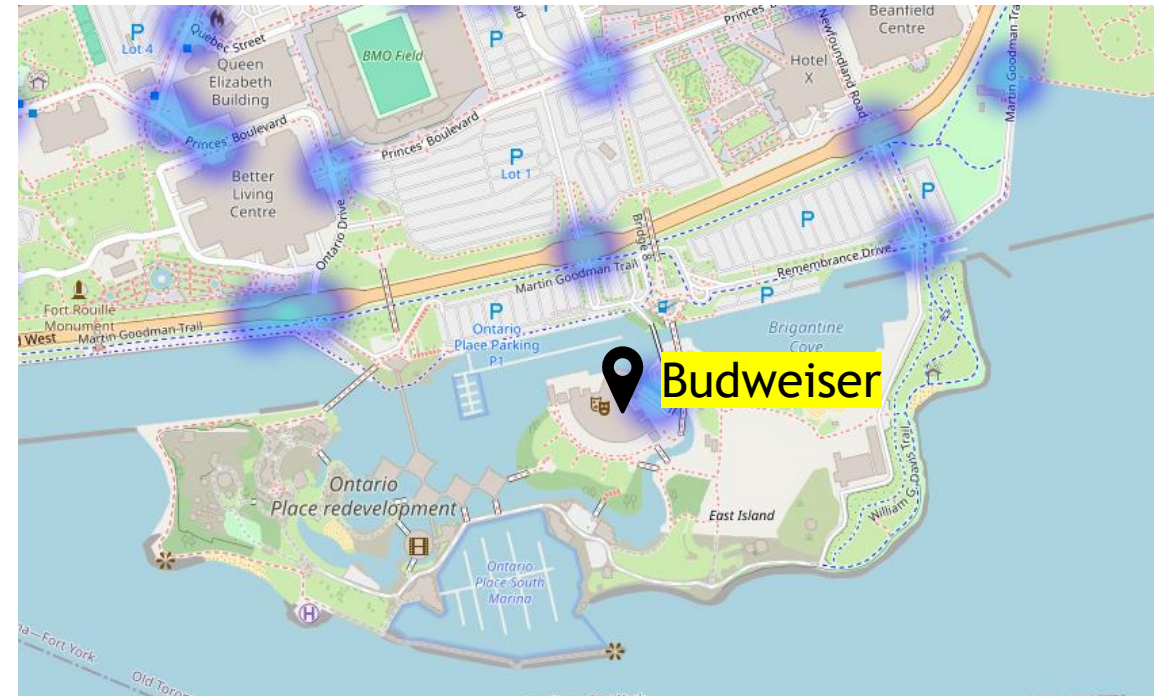
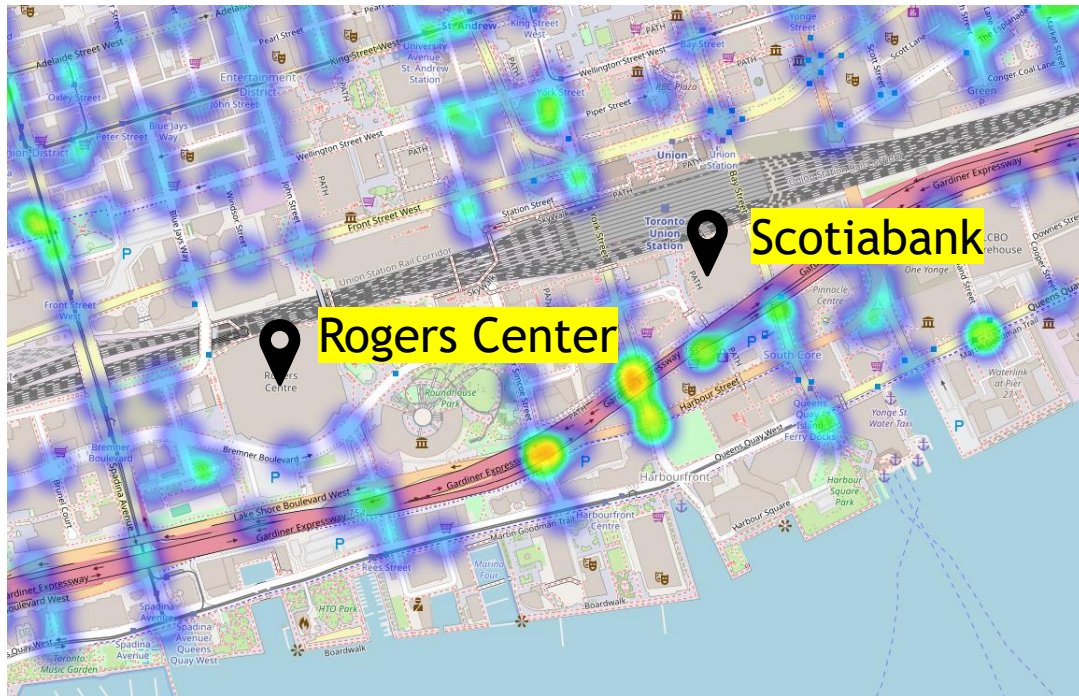
---

- Source: Concert archives, Wikipedia
- Shape : 1200 rows , 3 columns
- Incorporating the sports events





# A typical night (two games and a concert)



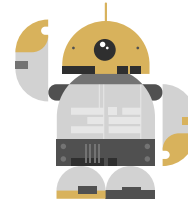
# Next steps



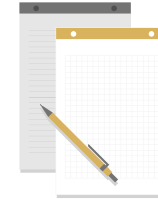
Extracting the sports events and adding to the dataset



Continuing the analysis on the area impacted



Data Engineering:  
introducing a metric to  
compare (crime per 100  
attendees)



Modeling (Linear  
Regression Model)

