Project Title: Crime Data Analytics

Team Members: Dahlia, Wangdian, Tigren, Sue

Description: This project aims to analyze crime data of Toronto city using totonto police dataset and answer following questions

1. Which is the most popular crime in Toronto? Co-relate it with neighborhoods and time of the year?
2. Toronto crash- where are the most number crashes reported in Toronto ?
3. Which time of the year most crashes are reported?
4. What time of the day most crashes are reported ?
5. Which is the most popular crime\_type in Toronto ?
6. Which neighbourhood experiences the highest crime rate in Toronto ?

Data Sets to be used:

<http://data.torontopolice.on.ca/datasets/1b2929dc396d4fd38917fdde37fd22d9_0/geoservice>

https://services.arcgis.com/S9th0jAJ7bqgIRjw/arcgis/rest/services/MyMapService3/FeatureServer/8/query?where=1%3D1&outFields=\*&outSR=4326&f=json

Rough Breakdown of task:

1. Research APIs
2. Read the data and pull relevant information.
3. Convert it in the dataframe format.
4. Analyze using Pandas
5. Visualize the correlation using Matplot- Make bar charts, co-relation data etc.