**Project Title**: Crime in Toronto

**Team Members**: Dalia, Dian, Tigran, Sue

**Description**: This project aims to analyze crime data of Toronto city using Toronto police datasets and Canada stat data sets. The project will be required to answer the following questions:

1. What are the most common crimes in Toronto?
2. Which neighborhoods experience the highest crime rates in Toronto?
3. What is the education and income level of the people living in neighbourhoods where most crime is reported? Is there a correlation?
4. What time of the year the frequency of crime is highest? Does it has anything to do with time of the day?....
5. In which premise types do more crimes occur?
6. Which area/highway is most prone to accidents/collisions in Toronto ?

**Data sets**:

1. Toronto Police - Major Crime Indicators API:

http://data.torontopolice.on.ca/datasets/mci-2014-to-2017

1. Toronto Police – Serious/Fatal Traffic Incidents API:

http://data.torontopolice.on.ca/datasets/ksi

1. Stats Canada Census Profiles API:

https://www12.statcan.gc.ca/wds-sdw/cpr2016-eng.cfm

1. Toronto neighborhood profiles:

<https://www.toronto.ca/city-government/data-research-maps/open-data/open-data-> catalogue/development-and-infrastructure/#7d273426-6067-33f4-8e8b-c8c8dda76412 (edited)

**Rough breakdown of task**s:

1. Research APIs
2. Read the data and pull relevant information.

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| API Research | Names |
| Toronto Police - Major Crime Indicators: | Dalia |
| Toronto Police – Serious/Fatal Traffic Incidents | Dian |
| Toronto neighborhood profiles: | Sue |
| Statistics Canada | Tigran |

\*Work together on the following points.

1. Convert it in the data frame format.
2. Analyze using Pandas
3. Visualize the correlation using Matplot- Make bar charts, co-relation data etc.