**Project Meeting Minutes #2 (Week 3 and Week 4)**

**GROUP 3 – DAB422-24W-001**

**Project Name: Crime Rate Analysis in Toronto, Canada**

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| **Date and Time** | **Location** | **Attendees** |
| 23rd and 30th January 2024, 8:00 AM– 10:00 AM | 1 Riverside Drive  R1012 | - Prof. Abiodun Sodiq Shofoluwe  - Srilakshmi Gummadidala  - Yen Nga Le  - Tehsin Shaikh  - Vinod Soloman Santhakumar |

**Agenda Items:**

1. In detail discussion on additional factors which impact on Crime Rate
2. Suggestions for next course of action items

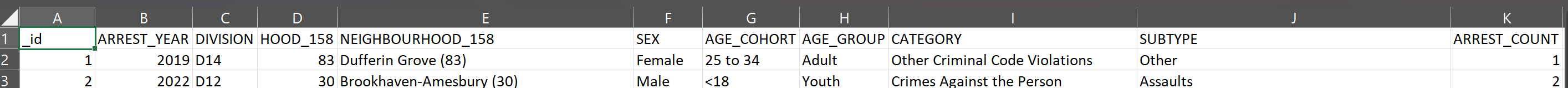
**Meeting Minutes:**

* 1. **In detail discussion on additional factors which impact on Crime Rate Dataset**
* Finding out some relevant raw data sources which provide information of several essential factors affecting the main Crime Rate dataset via the below link:

<https://open.toronto.ca/catalogue/?owner_division=Toronto%20Police%20Services>

* After checking and preprocessing them, the big challenge that has to be faced is the irrelevant characteristics of demographic information to the original dataset while doing data collection and data preprocessing steps.
* Furthermore, among some datasets, there are none of the primary keys to merge them in 1 proper dataset for processing and analyzing.
* After all, we only select to download 1 file named “Arrested and Charged Persons.csv” to gain insights into demographic factors and link it with the main dataset by trying in Power BI, SQL, or Excel.

[Police Annual Statistical Report - Arrested and Charged Persons - City of Toronto Open Data Portal](https://open.toronto.ca/dataset/police-annual-statistical-report-arrested-and-charged-persons/)



* Team members tried to merge these two datasets with Python programming and found that merging is happening with Many - to - Many combinations in the data preprocessing steps.

1. **Suggestions for next course of action items:**

* As per the suggestions given by the professor. Sodiq, the team is exploring to merge these two datasets with One -to - Many combinations by using different tools like Power Bi, SQL and Python
* Main dataset link – Crime rate:

[Major Crime Indicators Open Data | Major Crime Indicators Open Data | Toronto Police Service Public Safety Data Portal](https://data.torontopolice.on.ca/datasets/TorontoPS::major-crime-indicators-open-data/explore)

* Additional dataset link - Demographic:

[Police Annual Statistical Report - Arrested and Charged Persons - City of Toronto Open Data Portal](https://open.toronto.ca/dataset/police-annual-statistical-report-arrested-and-charged-persons/)

* GitHub link:

<https://github.com/VinodSolomon/Crime-Rate-Analysis-Toronto>

**Next Meeting date and time:** 5 February 2024 8:00 AM - 10:00 AM.