**Project title:** Analysing Uber Rides Data

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**Project description/outline:**

In this project we will be looking into two different datasets and draw conclusions on various aspects of Uber Rides. The conclusions are inclusive to the nature of data available for the analysis. Both the datasets used for analysis will have a single rider’s information so the findings might not be applicable in a broader sense.

**Research question to answer:**

1. Unfavourable weather (too hot/cold/rainy) conditions will increase rideshare usage?
2. During which time of a given week/day Uber app is mostly used?

The above findings will help Uber to plan and deploy more drivers at the required locations to meet any possible surge in the demands.

**Datasets to be used:**

* Source of the below attached data files is Kaggle.



* OpenWeatherAPI – To access historical weather data

**Rough break down of tasks:**

1. Extract data from uber.csv into Pandas data frame.
2. Identify appropriate columns to explore and find the unique values in that column.
3. Sorting of the data.
4. Handle NaN or NULL values.
5. Identify outliers and peculiar trends and provide explanations for these trends by relating them to the real world.
6. Adding additional columns to the data frames as required.
7. Extract data from OpenWeatherAPI and merge it with MyUberDrives data frame to populate historical weather report.
8. Plot various graphs to answer the questions raised.