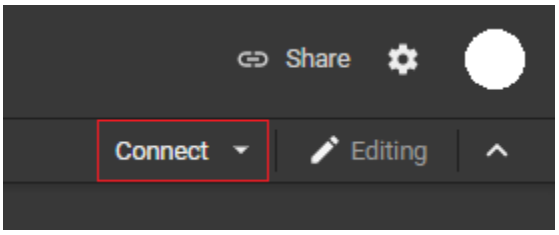
User Manual

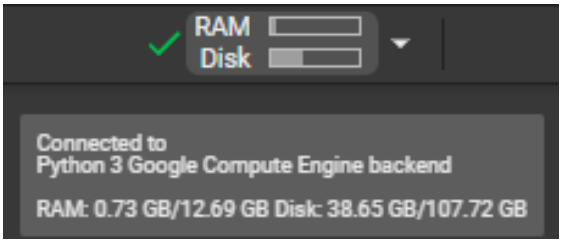
1. Setup Google Colaboratory Environment

1.1 Connecting to a runtime instance

On the upper-right side click on **Connect** to connect to runtime.



After a successful connection, it should automatically assign you some memory and storage to work on.



1.2 Installing Python Libraries

To import a library that's not in Colaboratory by default, you can use `!pip install` or `!apt-get install`.

Eg:-

```
[ ]  !pip install matplotlib-venn
```

2. Loading Data

2.1 Downloading Data

Data can be downloaded from the official dataset of Chicago city crime department: [Download Data](#) (CSV).

2.2 Uploading Data

Upload your data to your Google Drive account.

2.3 Mounting Google Drive

The user needs to mount his Google Drive using

```
from google.colab import drive
drive.mount('/content/drive')
```

2.4 Reading Data

The user needs to install the Pandas library to read data.

```
import pandas as pd
```

Specify the path where data is located.

Eg:-

```
data= pd.read_csv('/content/drive/MyDrive/data.csv')
```

Data will be successfully read into the ‘data’ variable.

3. Running notebooks

3.1 Sequence

While there is no particular sequence to run the notebooks, because every file works on a standalone machine,
it is recommended to follow the given line to get a better sense of data.

a. EDA.ipynb
b. Date_Analysis.ipynb
c. Maps.ipynb
d. Prediction.ipynb