- 1. Load dataset from https://covid.ourworldindata.org/data/owid-covid-data.csv
- Subset only those rows that have "India" in the "location" column(This subsetted dataframe has to be used for modelling)
- 3. Univariate Analysis:
 - a. Draw histograms of each numerical variable
 - b. Find mean, median and mode of each column
- 4. Bivariate Analysis:
 - a. Draw scatter plots of each numerical column versus one another
 - b. Draw line plots of each numerical column versus one another
- 5. Handle Missing values:
 - a. If there are null values in numerical column, replace the null values by the mean of that column
 - b. If there are null values in categorical column, replace the null values by the mode of that column
 - c. If more than 50%the values in a column are null, then drop that entire column
- 6. Convert date column to ordinal
 - a. Code:

```
import datetime as dt

df["date"]=pd.to_datetime(df["date"])

df["date"]=df["date"].map(dt.datetime.toordinal)
```

- 7. Drop all categorical columns
- 8. Select "total_cases" column as the target variable
- 9. Select the other columns as the features(the "date" column has to be in the features)
- 10. Perform train-test split
- 11. Modelling:
 - a. Linear Regression
 - b. Random Forest Regressor
- 12. Get accuracy
- 13. Predict Total case for a new date

NOTE: To convert anytime back from ordinal to date-time use the following sample code:

from datetime import datetime

ordinal value = 733828 # This is an example

dt = datetime.fromordinal(ordinal value)