

## **Weather Prediction Problem Statement**

- Read the train.csv and test.csv and merge both file and make one whole Dataframe
- Print the description of data like
  - Count
  - Mean
  - Std
  - Min
  - Max
  - etc.
- Drop the Column which does not make any significant difference in our Dataset
- Check the Correlation between the column and drop the related columns
- Check the null values and replace the null values with the mode of it
- Our Dependent column is 'Daily Summary', Find the unique values in it
- Make the Pairplot of our Entire Dataset in once
- Make the gui based Graph plotting between the columns with the help of PyautoGui Library ( Take the library reference from google)
- Make the Selection Gui with help of select function in PyautoGui
  - Make Boxplot between 'Daily Summary' Column and User Selected column (When user select certain column from selection tab)
  - Make Line Plot between 'Daily Summary' Column and User Selected column (When user select certain column from selection tab)
  - Make Barplot between 'Daily Summary' Column and User Selected column (When user select certain column from selection tab)
  - Note(Please Give the proper Margin , Labelling and Colouring to the graph )
- Find from the data using Python which year has most rain and plot a bar graph between the years by proper colouring and labelling

