Problem Statement- 2: Malaria disease

AIM:

Explore the given dataset and analyze the number of deaths ,CFR of malaria increases every year, from scratch.

DATASET:

The **estimated_numbers.csv** dataset gives the Estimated no of cases across the world containing the following country,region,year,no of deaths,no of cases ,WHO region etc.

reported_numbers.csv dataset gives the reported no of cases across the world has 5 columns and they are Country, year, no of cases, no of deaths and WHO region.

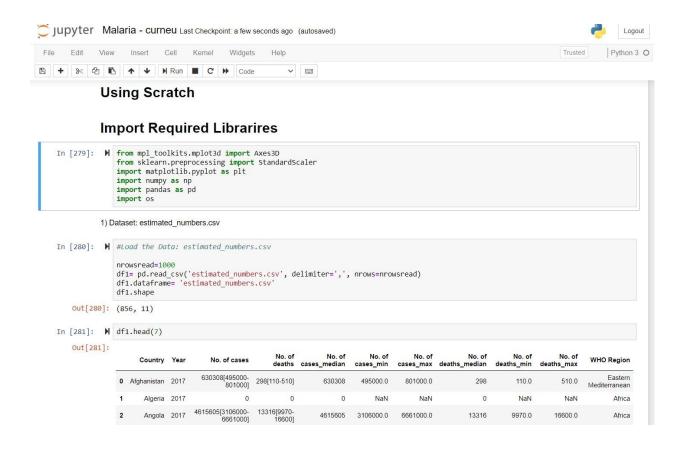
incidenceper1000popat_risk.csv dataset gives Incidence per 1000 people at risk area has 4 columns and they are Country, year,no of cases and WHO region.

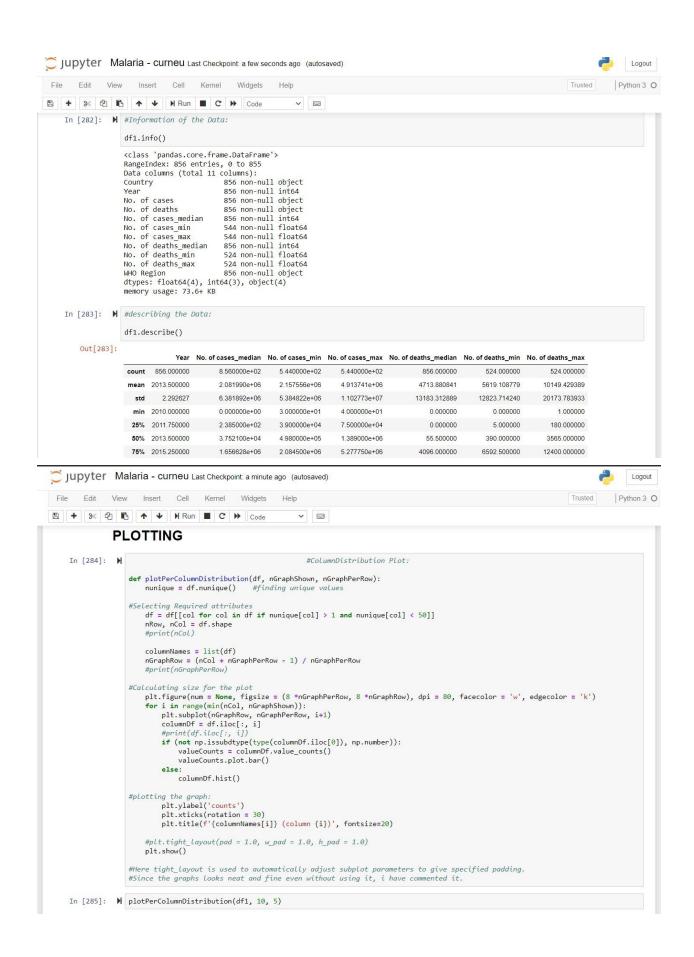
SOLUTION:

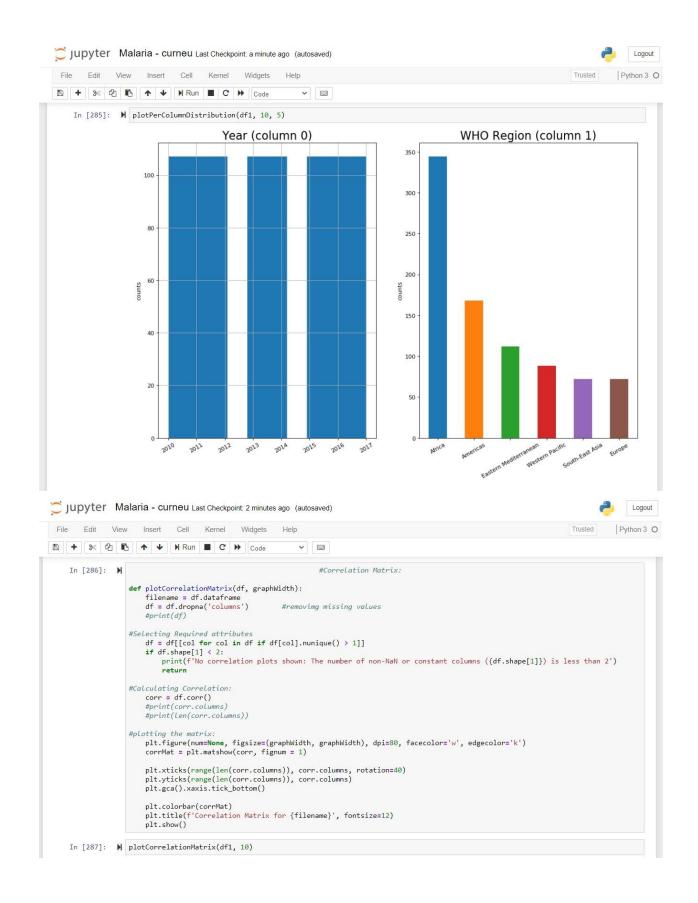
From Scratch, I have just explored the data given using the *Column Distribution plot, Scatter Plot, and Correlation Matrix* for all the given three datasets.

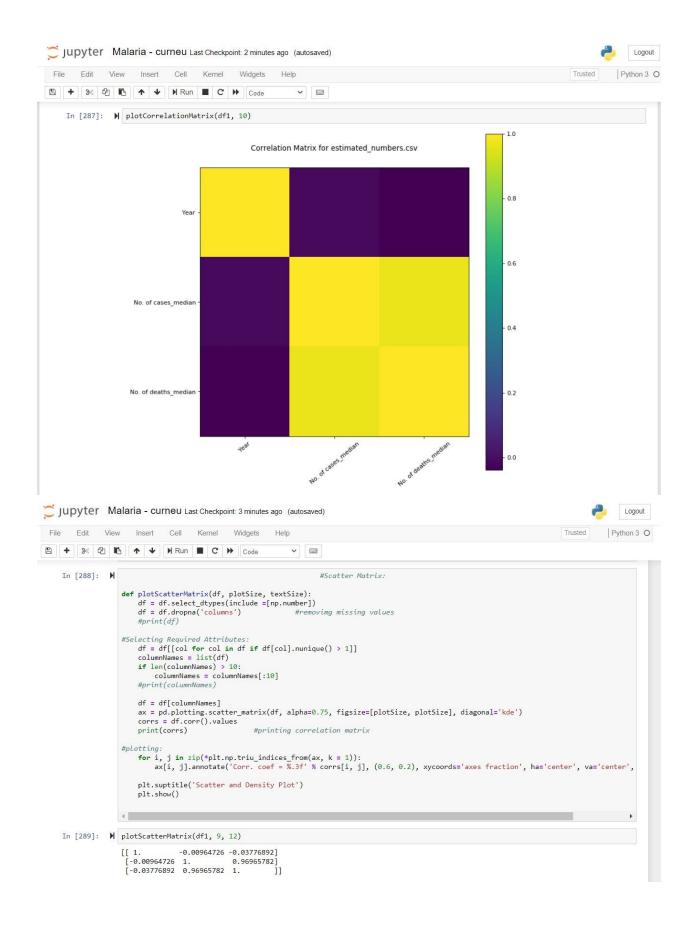
The explanation is inserted along with the code and I have inserted the screenshot of them below,

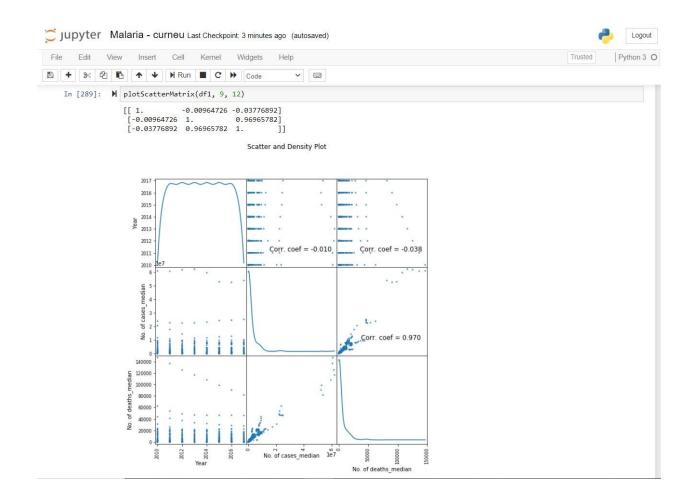
1) Dataset: 'estimated_numbers.csv'



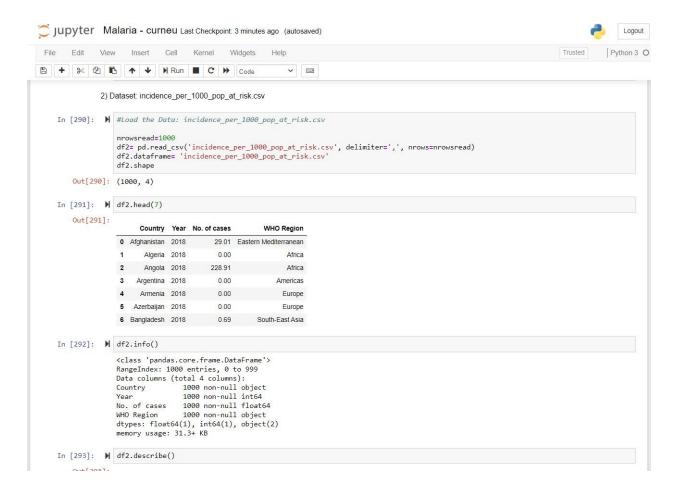


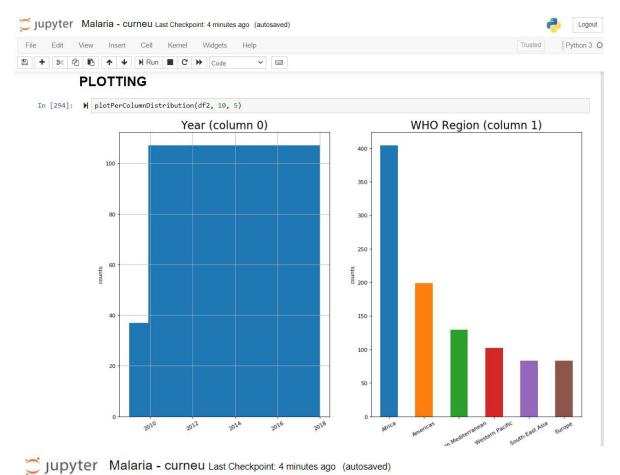






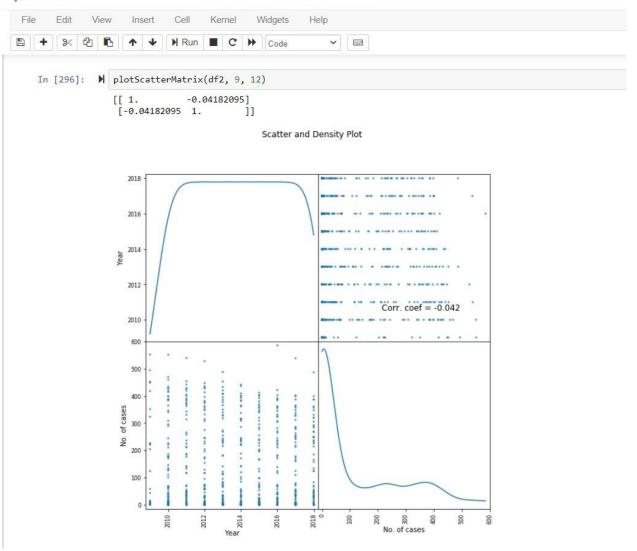
2) Dataset: 'incidence_per_1000_pop_at_risk.csv'



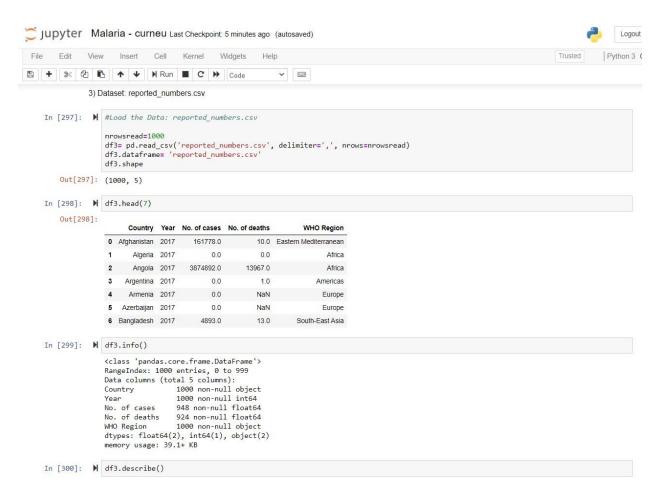


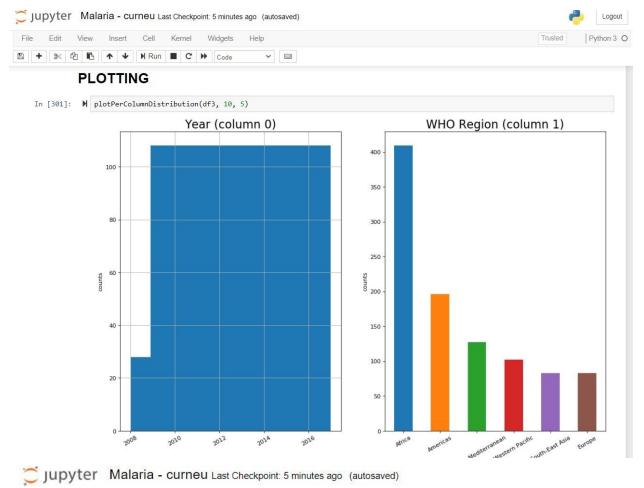


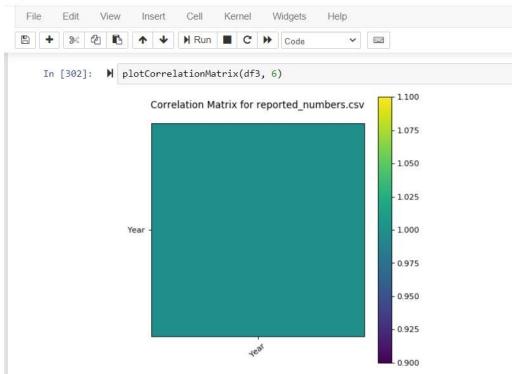
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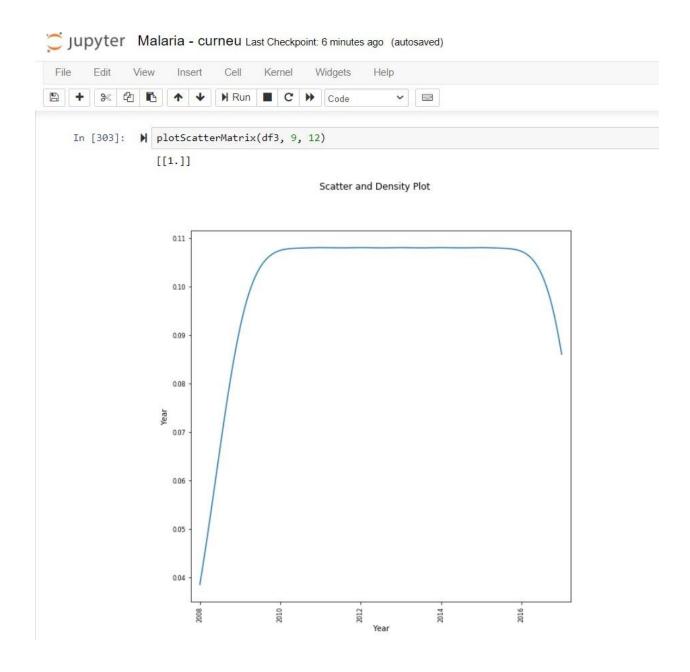


3) Dataset: 'reported_numbers.csv'









CONCLUSION:

Using various plots we have visualized the dataset of malaria across the world during the period of time in different years.

From Scatter plot we can find that from the beginning(ie. 2008) it starts increasing for certain periods and remains the same for a long period of time; But over a certain time(ie. 2015) it starts to decrease and falls down for a certain rate.