
Air Pollution End to End Data analysis

WireFrame Documentation

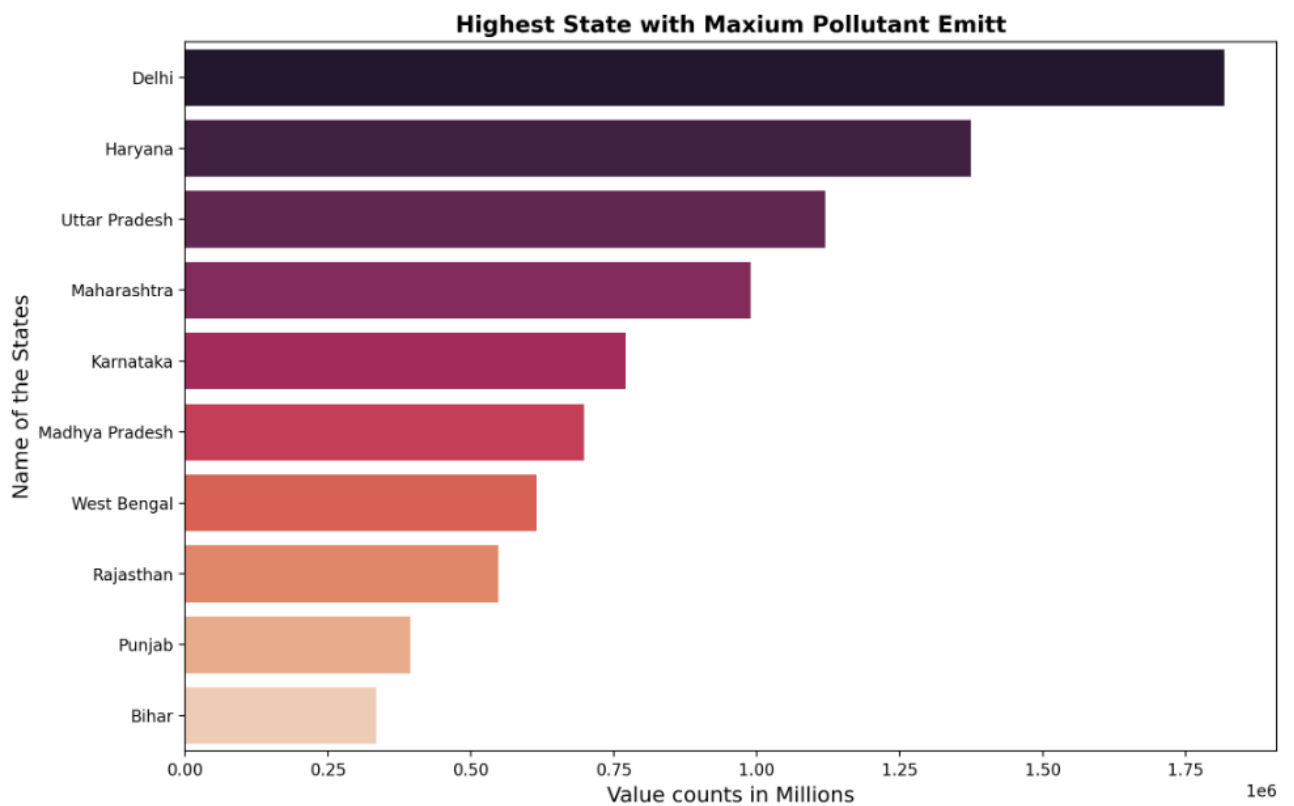
Mitra K

Analysis

As per the problem statement, we have defined the several metices to perform the analysis on which helps in not only understanding the meaningful relationships between attributes but it also allows us to do our own research and come-up with our findings

1. States with maximum pollutant emit.

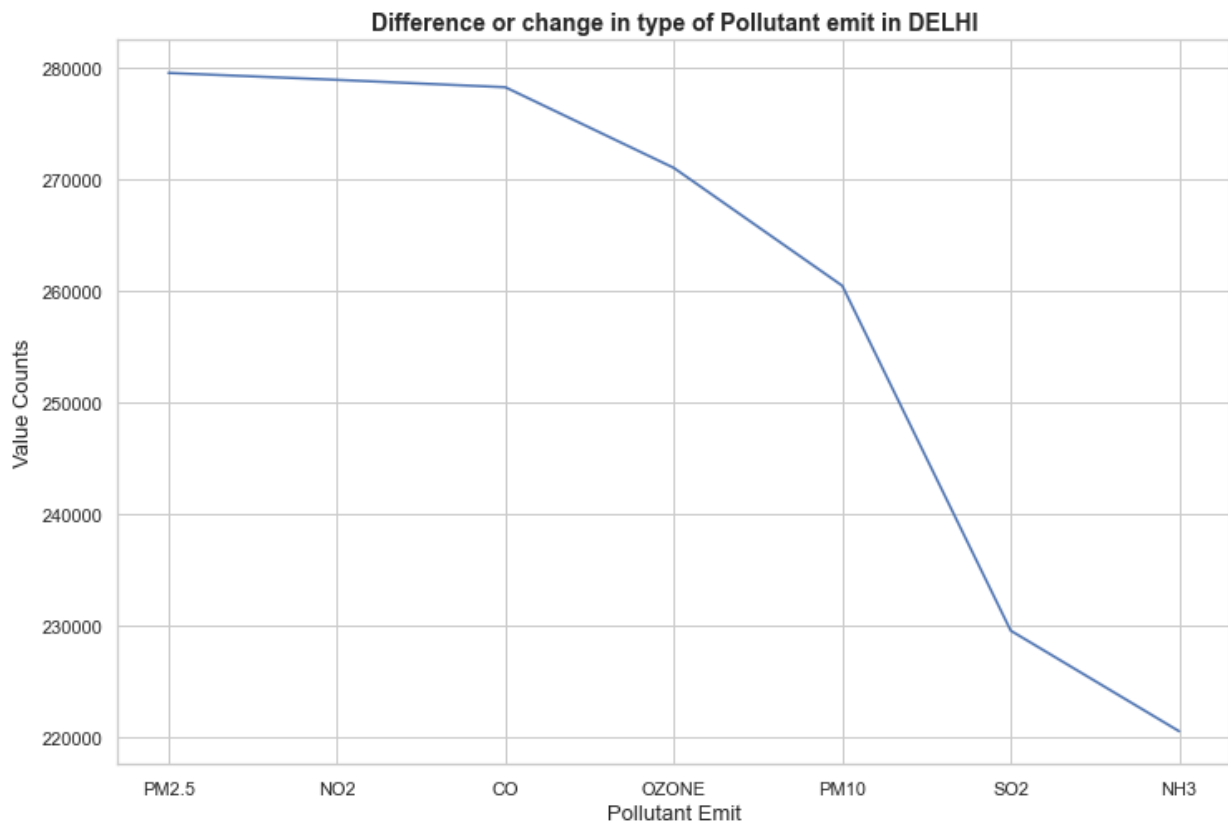
This is a bar plot were I have listed the top states in India with highest pollutant emit



2. Major Pollutant emit component for the air pollution caused in Delhi.

Here I have counted the number of different type of pollutant over the year and plotted to see how much does it contribute to air pollution in Delhi.

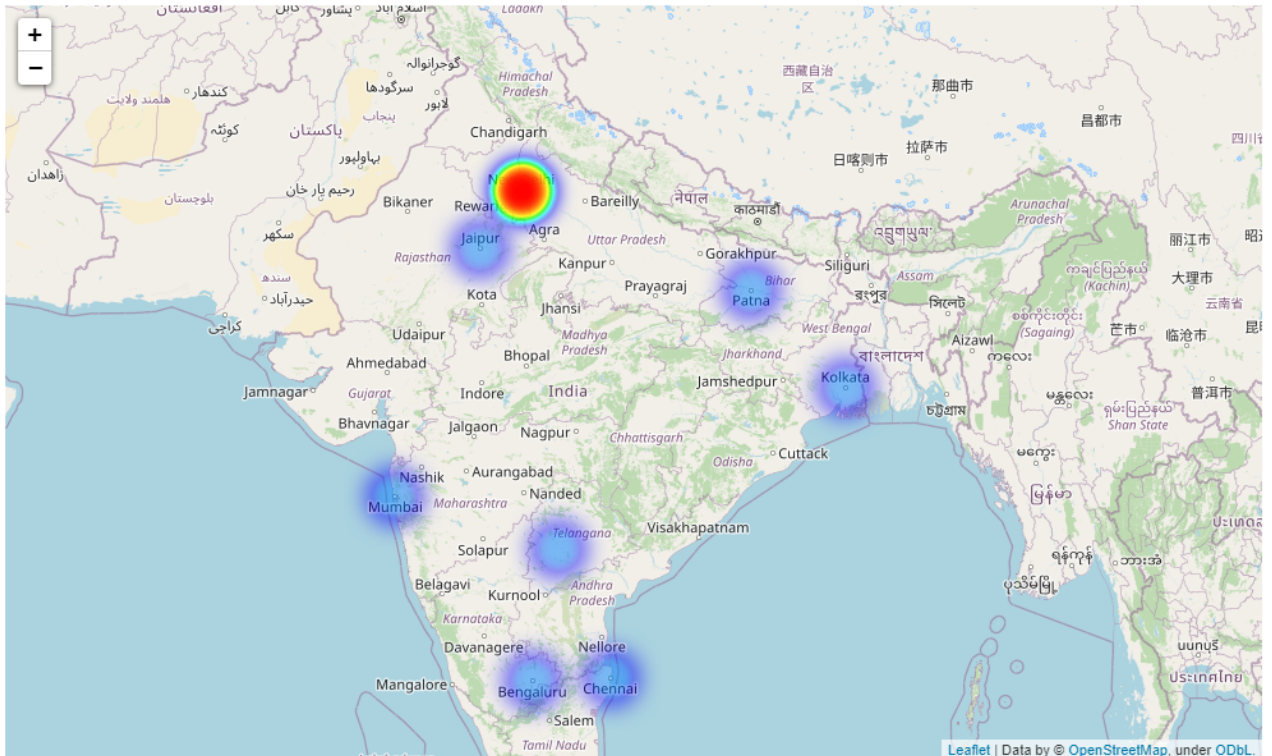
Pollution ID	
Pollution ID	
PM2.5	279483
NO2	278863
CO	278201
OZONE	270976
PM10	260417
SO2	229521
NH3	220505



3. Indian Cities which has the highest number of pollutant emit.

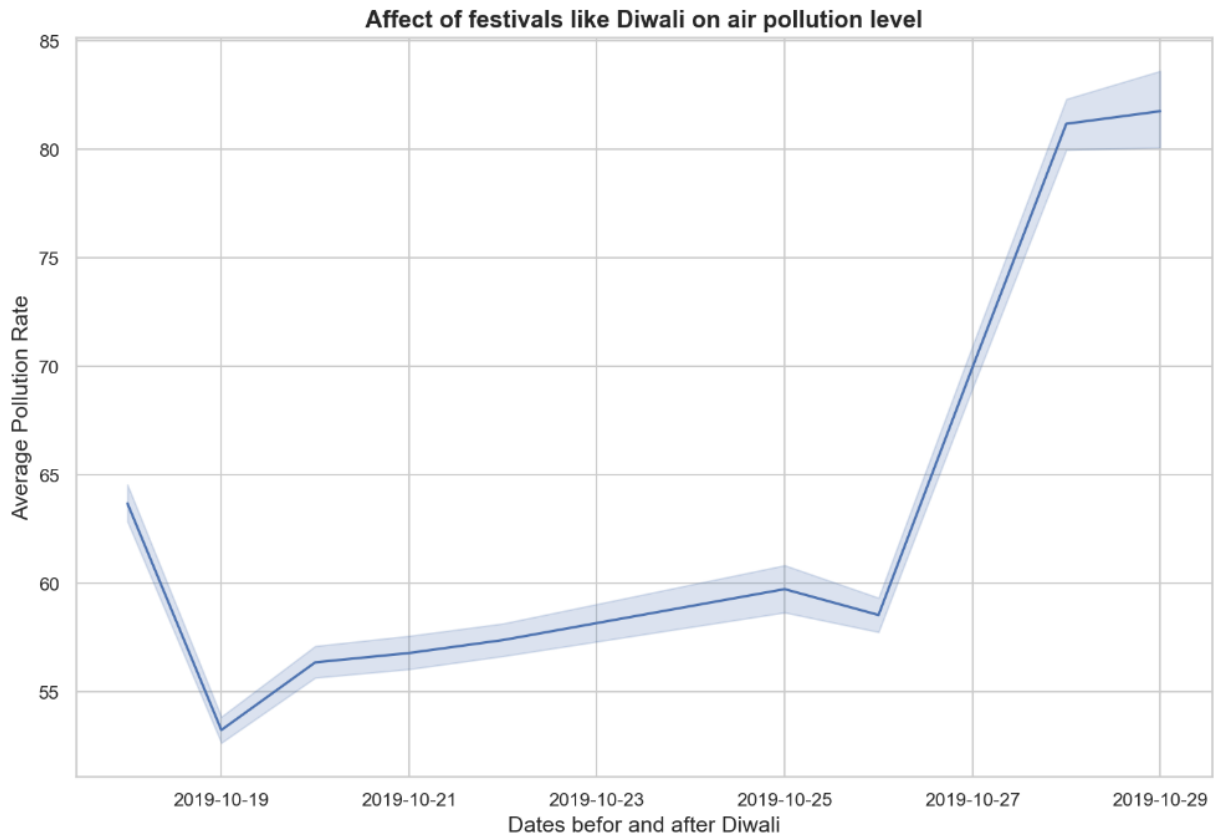
Here in this Map I have listed the top cities in an Indian HeatMap to see which city have the highest air pollution.

Out[68]:



4. Affect of festivals like Diwali and Dussehra on the air pollution level.

This line plot clearly shows the visuals were the air pollution was low before diwali and it has a huge spike after Diwali dates.



5. Pollution level less in winter months like January and February compared to November and December

This comparison plot shows the air pollution levels in winter months to others. We can see that the air pollution is inconstantly higher in months if November and December.

