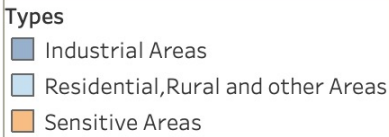


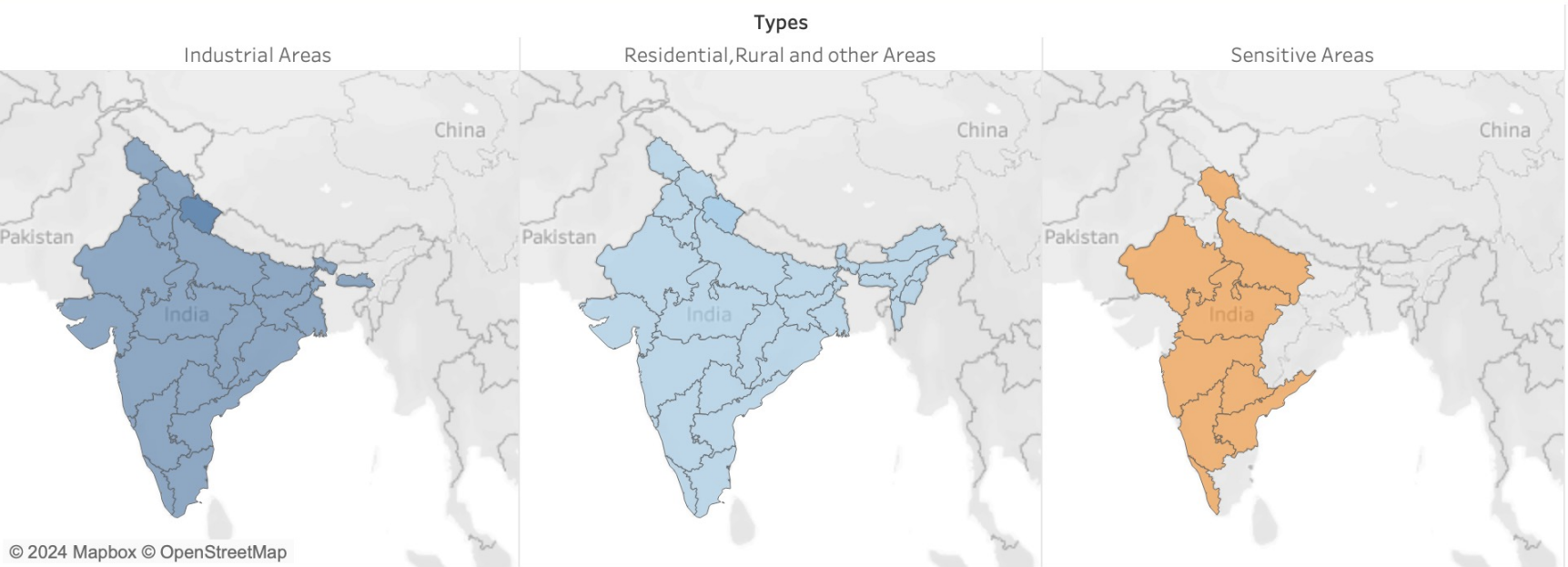
Air Quality Analysis using Tableau

File created on: 21/01/24 2:54:25 am IST

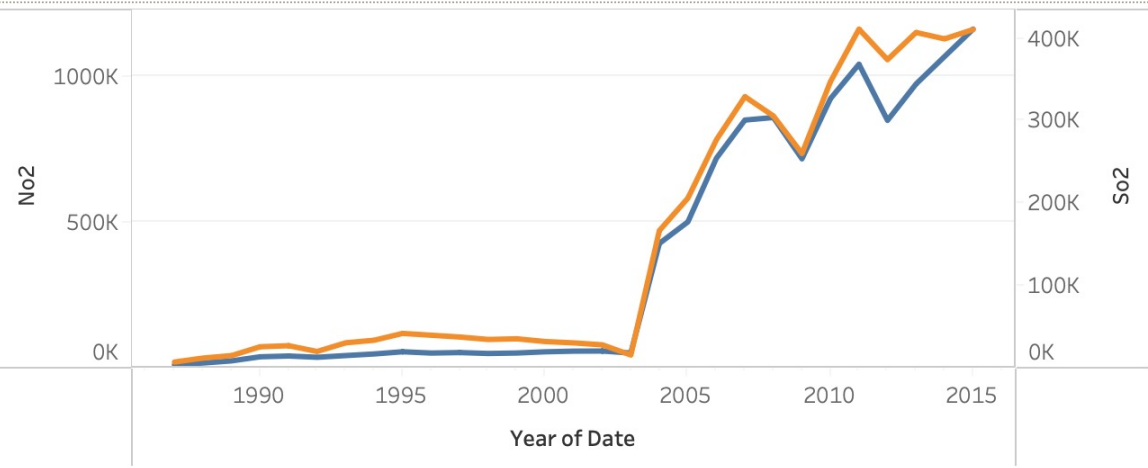
Air Quality Analysis on India states



Geographical Area of different livelihood types



Air Quality throughout the Years



SO2 Analysis

NO2 Analysis

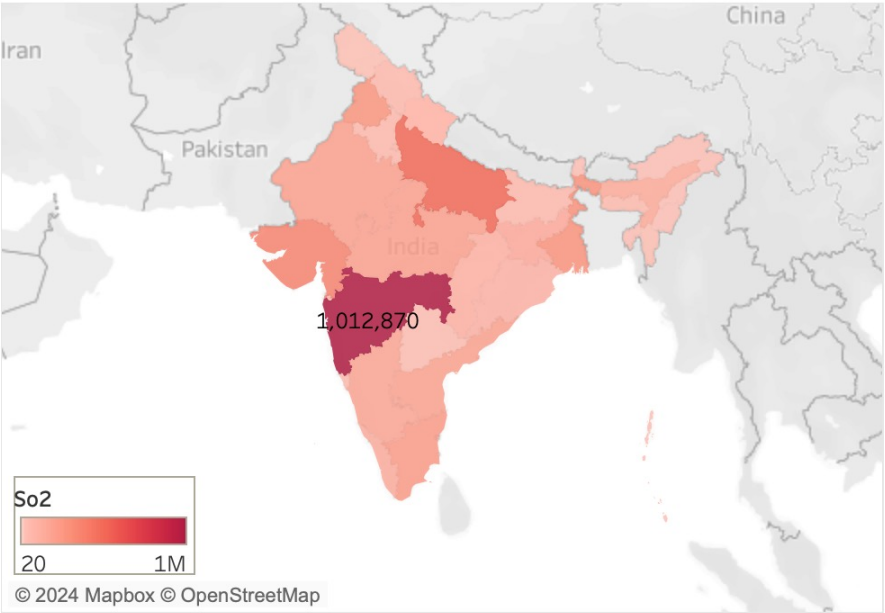
Sulfur dioxide (SO2) and nitrogen dioxide (NO2) are harmful air pollutants with significant implications for air quality. SO2 primarily stems from burning sulfur-containing fossil fuels, contributing to acid rain and respiratory issues. NO2, emitted from combustion processes in vehicles and industries, poses risks to human health and exacerbates respiratory conditions. These pollutants are closely monitored due to their adverse effects, emphasizing the importance of implementing measures to reduce..



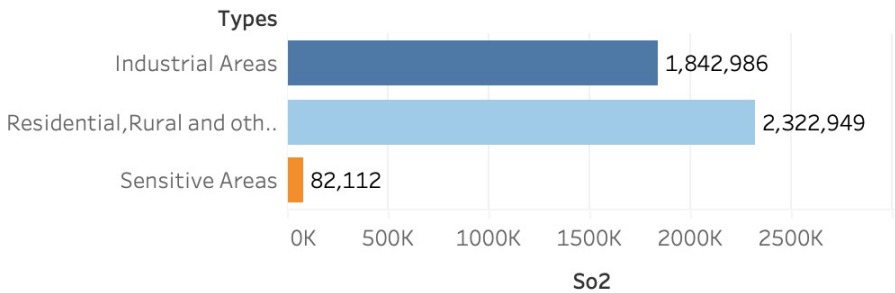
Analysis of Sulphur Dioxide (SO2) Levels Across Indian States

Maharashtra and Gujarat exhibit the highest levels of sulfur dioxide (SO2) in the air in India, with SO2 concentrations experiencing a worrying exponential increase over the years. The main culprits are residential and rural areas, contributing the most to SO2 emissions, followed by industrial zones. Even sensitive areas are not immune to this rising trend. Efforts to curb SO2 levels should focus on regulating emissions from various sources and promoting sustainable practices to safeguard both the environment and public health.

Visualization of Sulfur Dioxide (SO2) Levels Across India



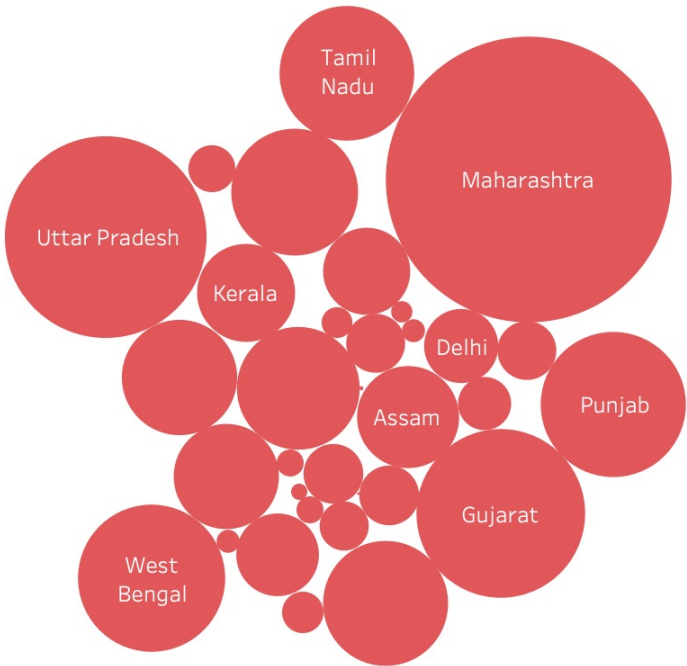
SO2 levels according to the type of livelihoods



SO2 emission growth through the years



SO2 Bubble based on different states

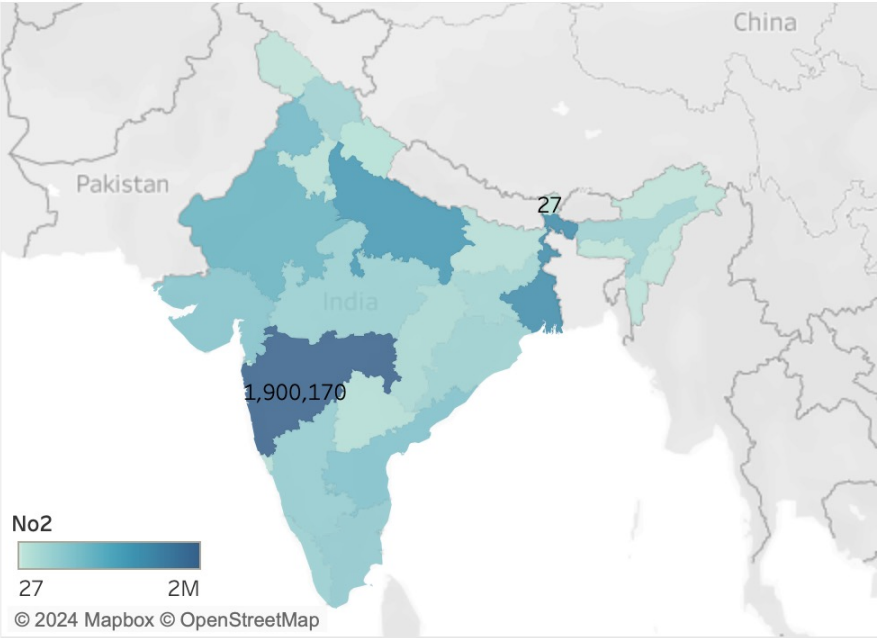




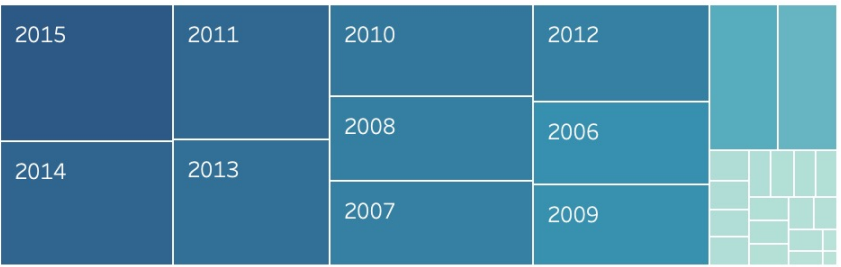
Analysis of Nitrogen Dioxide (NO2) Levels Across Indian States

Examining nitrogen dioxide (NO2) levels across Indian states reveals Maharashtra as the foremost emitter, closely followed by West Bengal and Uttar Pradesh. This emission pattern persists over the years, indicating a concerning exponential increase in NO2 concentrations throughout India. The primary contributors to this surge are residential and rural areas, emerging as the predominant sources of NO2 emissions. Industrial zones follow suit as the second major contributor, with even sensitive areas experiencing a notable rise. Addressing this escalating issue necessitates a focused approach, involving stringent regulation of emissions from diverse sources and the promotion of sustainable practices. These efforts are pivotal to preserving environmental integrity and safeguarding public health across the nation.

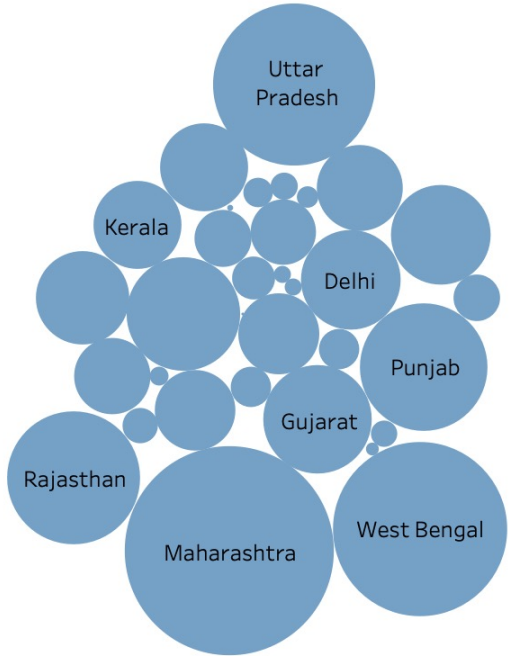
Indian Map visulaisation based on NO2 levels



NO2 emission growth through the years



NO2 Bubble based on different states



NO2 levels according to the type of livelihoods

