Predicting daily ozone levels (O3 Mean) based on historical data and meteorological factors.

Identifying trends and patterns in carbon monoxide (CO) levels over the years across different states and counties.

Developing a model to forecast hourly variations in sulphur dioxide (SO2) levels in specific cities.

Analyzing the impact of industrial activities on nitrogen dioxide (NO2) levels in urban areas.

Creating a predictive model to estimate air quality index (AQI) for ozone (O3 AQI) using historical data.

Investigating the correlation between air quality index for carbon monoxide (CO AQI) and vehicular traffic density.

Exploring the relationship between air quality index for sulphur dioxide (SO2 AQI) and proximity to industrial zones.

Predicting high pollution events (e.g., days with high O3 1st Max Value) using machine learning algorithms.

Assessing the effectiveness of environmental policies on reducing nitrogen dioxide (NO2) levels in specific regions.

Developing a clustering model to categorize cities based on their air pollution profiles.

Investigating the temporal and spatial patterns of carbon monoxide (CO) levels during different seasons.

Building a model to predict the likelihood of exceeding air quality standards for sulphur dioxide (SO2) in certain counties.

Identifying the most influential factors contributing to variations in nitrogen dioxide (NO2) levels.

Developing a predictive model to estimate air quality index for different pollutants simultaneously.

Analyzing the impact of wildfires and natural disasters on air quality in affected regions.