Environmental Science and Technology
Project description

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1. **Project Title**
   Air Pollution Levels and Lockdown Measures: A Meta-Analysis

2. **Objectives**
   a. Analyze the various stages of Lockdown on the air quality and pollution in different places in India.
   b. Construct models predicting the future of air quality if the lockdown continues.
   c. Using the models, analyze the long term effects of the lockdown on the air quality and pollution and compare it to the case, if lockdown was removed.
   d. Study the different factors that might have caused the change in air quality and pollution during the lockdown.

3. **Data**
   Central Pollution Control Board, Ministry of Environment, Forests and Climate Change [Link]

4. **Methodology**
   a. Data Mining
   b. Machine Learning
   c. Data Visualization

5. **Outcomes**
   a. Prediction of future *air quality* after lockdown.
   b. Analysis of the effect of lockdown and reduced vehicles on air quality.
   c. Suggest measures to improve air quality, while taking the example of a lockdown.