

AIR QUALITY ANALYSIS IN TAMILNADU

Data analytic with Cognos



TEAM LEADER- S. YOGESHWARI

TEAM MEMBER-M. AARTHI

TEAM MEMBER-M. ABINAYA

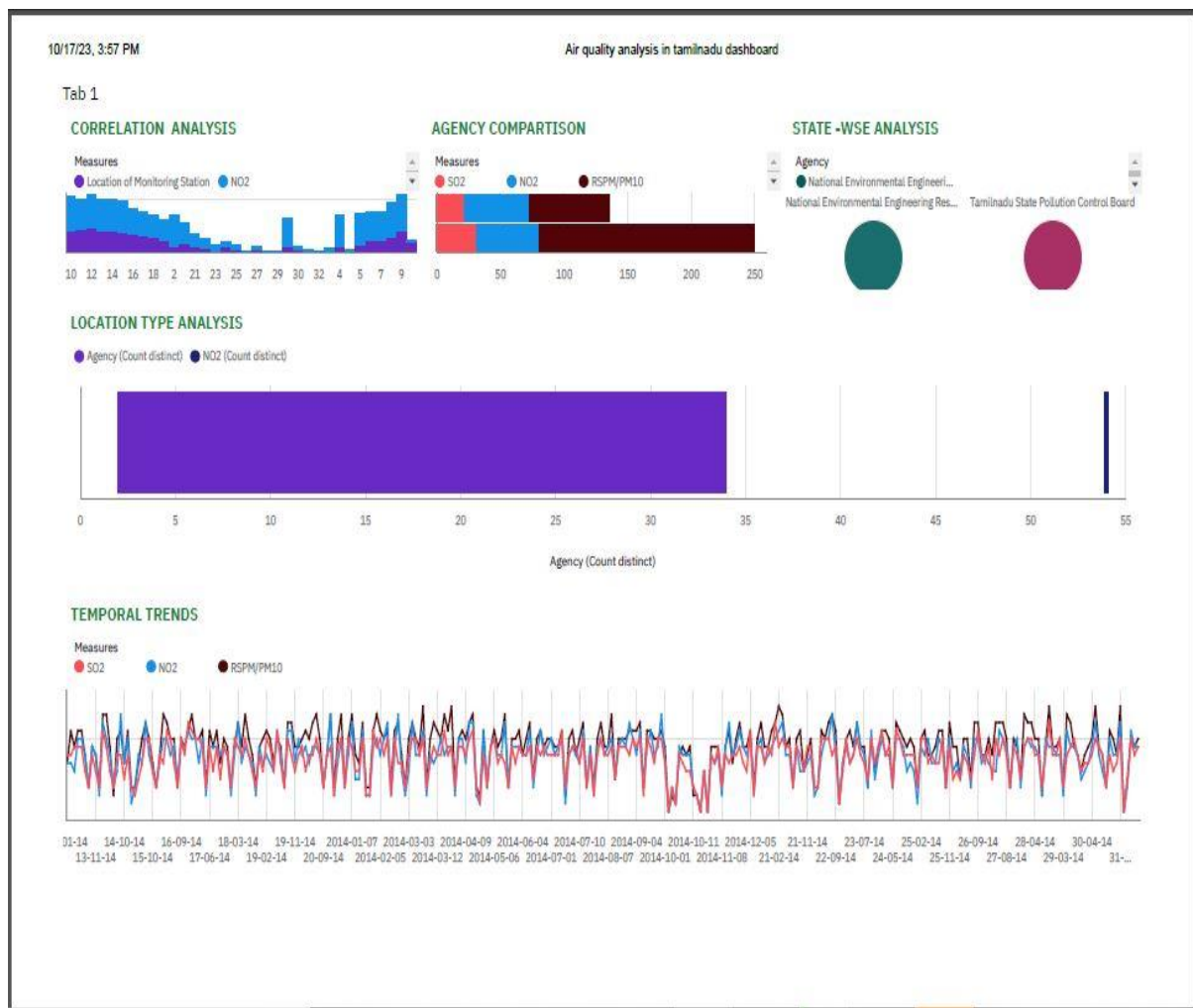
TEAM MEMBER-D. ABINAYA

PHASE-4

DEVELOPMENT PART-2

Create visualization using data visualization:

- ❖ Data visualization is another form of visual art that grabs our interest and keeps our eyes on the message. When we see a chart, we quickly see trends and outliers. If we can see something, we internalize it quickly. It's storytelling with a purpose.



- ❖ The main goal of data visualization is to make it easier to identify patterns, trends and outliers in large data sets.

10/17/23, 10:10 PM

Air quality analysis in TN dashboard

Tab 1

CATEGORICAL DATA ANALYSIS

Measures

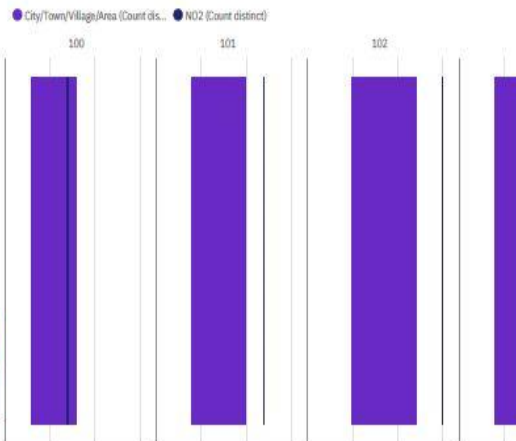
Agency Type of Location State



THRESHOLD VIOLATION



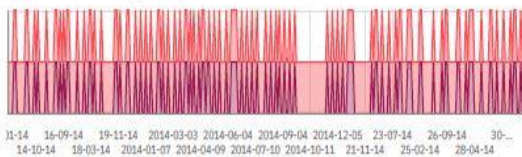
SPATIAL ANALYSIS



TIME SERIES DECOMPOSITION

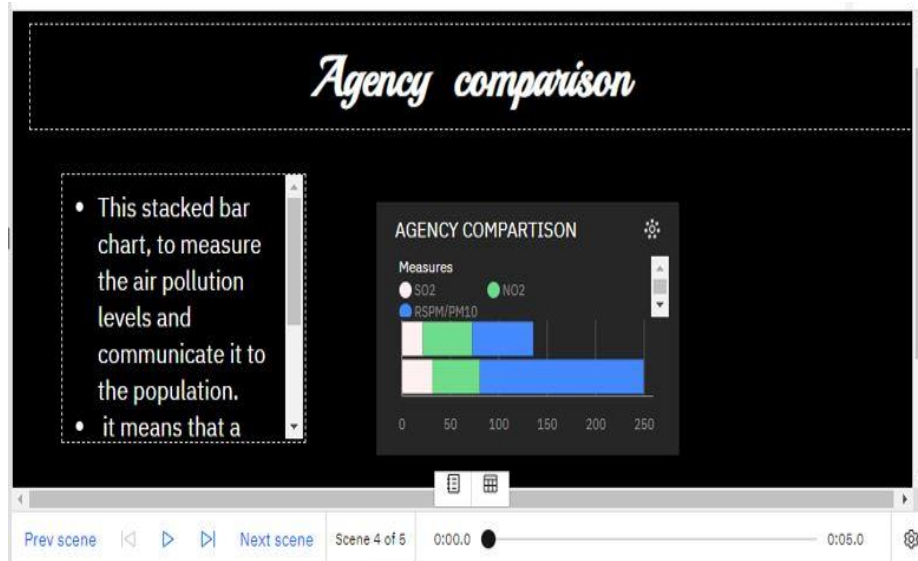
Agency

National Environmental Engineer... Tamilnadu State Pollution Control ...

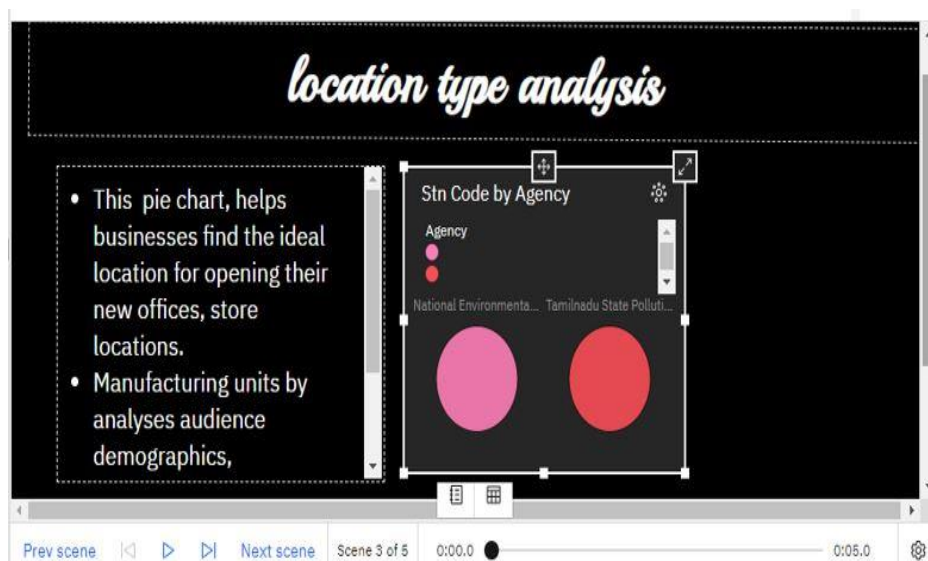


Story created by visualization:

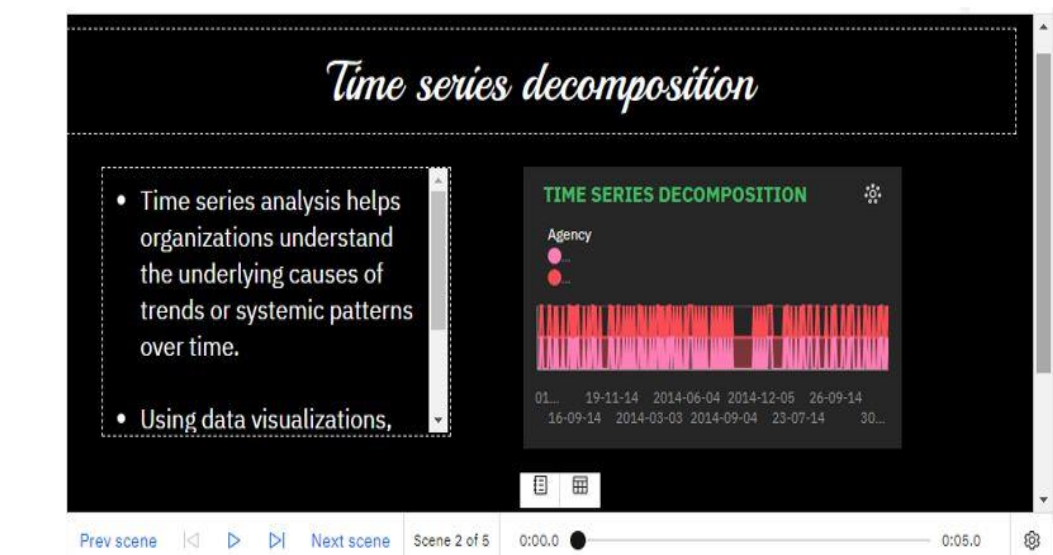
- ❖ You can assemble a view that contains visualizations, such as a graph, chart, plot, table, map, or any other visual representation of data.



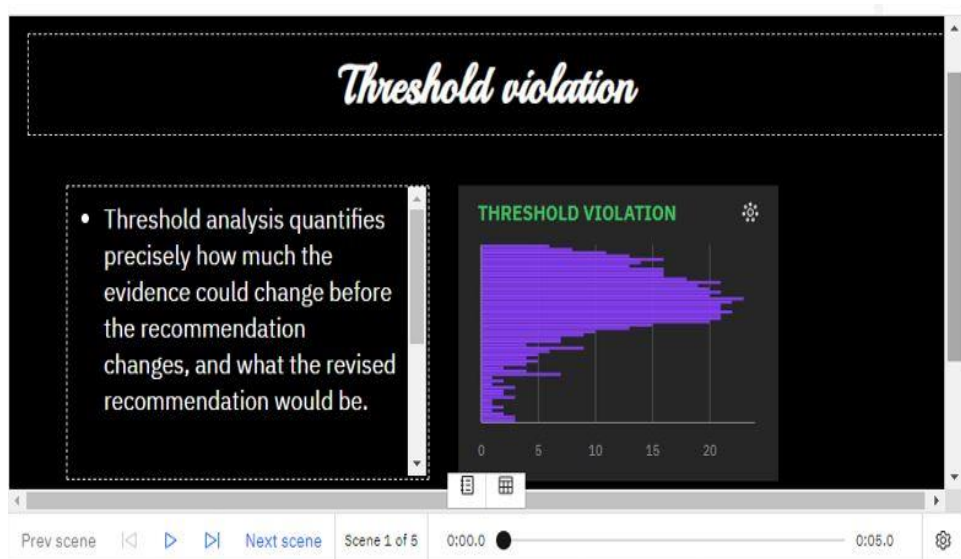
- ❖ This bar chart allows you to assess the performance of different agencies in monitoring and controlling air pollution.



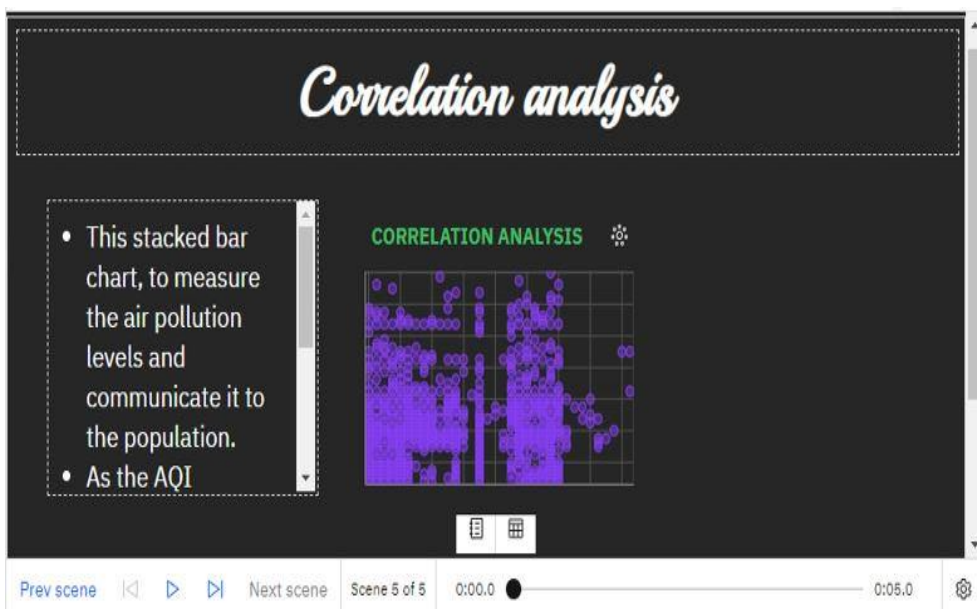
- ❖ This chart will provide a breakdown of monitoring stations by location type, helping you understand where most of the data is collected.



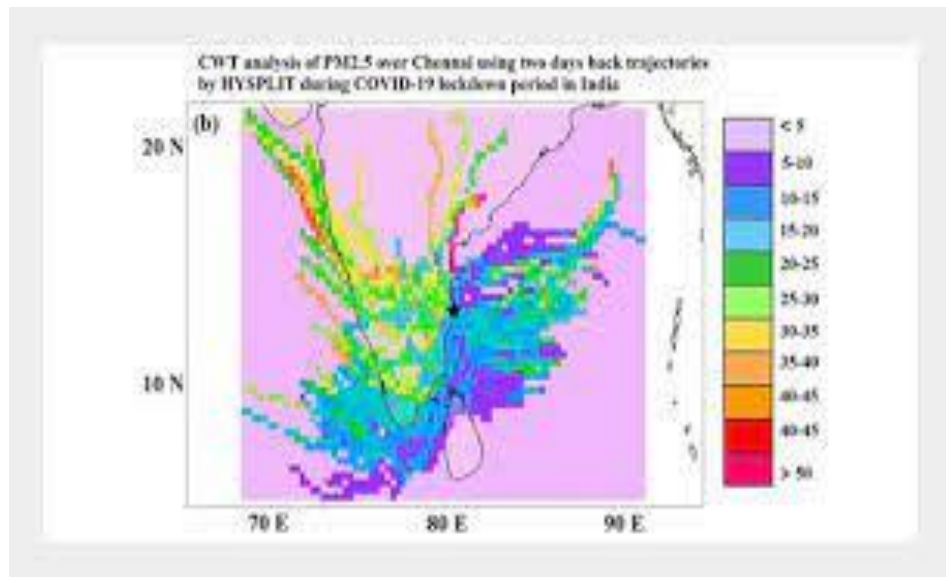
- ❖ This bar chart or map will help you compare pollutant levels across different locations, providing insights into spatial variations in air quality.



- ❖ This bar chart will show how frequently pollutant levels exceed regulatory thresholds or guidelines.



- ❖ The scatter plot will help you identify relationships and correlations between different pollutants. Are there any significant correlation.



.....End of the project assessment.....