Unearthing the Environmental Impact of Human Activity: A Global CO2 Emission Analysis

Define problem / problem Understanding:

Specify the Business problem:

Global warming is one of the biggest challenges currently being faced by human race, although correlation is not causation, global warming is due to increased atmospheric CO_2 from human activities.

Business Requirements:

The ultimate goal is to gain insights and reduce the emission through data visualization techniques.

Literature Survey:

A literature survey is a method of researching existing literature and studies related to a specific topic.

Social or Business impact:

CO_2 emissions are the primary driver of global climate change.

Data preparation:

Prepare the Data for Visualization:

Basically this process helps to make

the data easily understandable and ready for creating visualizations to gain insights into the performance and efficiency.

Data Visualization:

Data visualization is the process of creating graphical representations of data in order to help people understand and explore the information.

* to understand - Total world emission, CO_2 Emission over Time, Total Emission By continents.

* To understand - CO_2 Emission per capita, CO_2 Emission By international Factors, Emission Rate over years.

* To understand - CO_2 contribution By Different Fossil Fuels, CO_2 Emission over past 10 years, change in CO_2 Emission And CO_2 Emission In 2020.

Dashboard :

A dashboard is a graphical user interface (GUI) that displays information and data in an organized, easy-to-read format.

Story :

A data story is a way of presenting data and analysis in a narrative format, with the goal of making the information more engaging and easier to understand.

Performance Testing :

Amount of Data Rendered To DB:

* The amount of data that is rendered to a database depends on the capacity of the database to store and retrieve data.

* open the SQL studio, go to the database then click to expand the tables, select the table and Right click and select properties

Web Integration:

* Publishing helps us to track and monitor key performance metrics, to communicate results and progress.

Project Demonstration & Documentation

* Record Explanation video for project End to end solution.

* Project Documentation - step by step project Development procedure.