

Python Final Project

US Pollution from 2010 – 2016

Emmanuel Salcedo, Hector Castellanos Ayon, Hanna Reyes, Sandy Tellez

Project Lead: Emmanuel Salcedo

OVERVIEW

From 2010 to 2016 the population of the US has increased. Also, in 6 years there has been great technological innovation. In this project we hope to discover Pollution throughout the US and discover trends and meaningful insights on US Pollution.

Proposal

Through the analysis of US pollution from 2010 to 2016, we plan on finding trends and follow pollution growth and reduction to see the impact of pollution on everyday life. Knowing where the trends lead and what to expect we can effectively plan and develop plans of attack to counteract the growing pollution levels or contribute to the current reduction of pollution.

GOALS

1. Use Python to Clean and Interpret the CSV of the Data Set Provided.
2. Using Python export the csv data into a database, in MySQL
3. Interpret and Analyze the data in the Database
4. Export and Visualize the Data in a meaningful manner in Tableau.
5. Using Tableau make Visuals and Dashboards to present our data.
6. Using the Data to find trends and answer out hypothesis.

Git for Project

This git will be actively involved and maintained throughout the project

<https://github.com/emmanuel-salcedo/PollutionFinal>

Pollution Breakdown:

- What each pollution is?
- How is the pollution Is measured?
- Pollution Gauge, severity
- Human and environmental impact
- Ways to reduce the pollution.

Research and Analysis Distribution:

- Emmanuel – NO2
- Hanna – O3
- Sandy – CO
- Hector – SO2