

# Income Inequality and Air Pollution

## About

This dataset is a set of information about United states cities. It gives data on the presence of pollutants and the income levels of different groups of people living in these cities. Created to draw connections between income inequality and air quality. This data was collected by the United States Census Bureau and the Environmental Protection Agency.

**Data Collected Year:** 2022

**Collected by:** United States Census Bureau and the Environmental Protection Agency.

**Content:** CVS File

**Sources:**

<https://data.census.gov/table/ACSST1Y2022.S1901?q=median%20household%20income%20by%20state>

<https://www.kaggle.com/datasets/guslovesmath/us-pollution-data-200-to-2022>

## General Information

**GitHub Repository:** [https://github.com/Rissian/INFO\\_FINAL\\_ALEXANDER\\_AMARTYA/upload](https://github.com/Rissian/INFO_FINAL_ALEXANDER_AMARTYA/upload)

**Summarized Data Frame:** df

**Rows:** 26151

**Columns:** 32

**Types:** Numeric, Character

**New Categorical Variable:** high\_pollution

**New Numeric Variable:** Prop\_Households\_below25K

**Identifies:** Different income households and presence of different pollutants

## Use Cases

1. Future urban planning to make public health more equitable among income levels.
2. Identification of high pollution areas.
3. Identification of areas with pollution on the rise.
4. Proof for the need for new legislation for the rights of low-income areas.
5. Should not be used as proof of low-income areas being dirty by choice of inhabitants.