

# Rise in global disasters with increasing CO2 emissions Label

## About

Our dataset shows the increase in global CO2 emissions since 2011 and how this goes in tandem with the increase in global disasters

## Dataset name

Co2 Emissions and Global Disasters (CEGD) dataset

## Data origin

CO2 Emissions dataset:  
compiled from environmental agencies and climate research orgs.

Global Disasters Dataset:  
Compiled from disaster databases such as NOAA

## Key Findings:

- 1.Positive correlation between CO2 emissions and the frequency of certain disasters.
- 2.Regional disparities in emissions and disaster vulnerabilities.

## •Human Rights Principles:

- **Privacy:** Safeguarded individual and country-level data during the integration process.
- **Accountability:** Ensured transparency in data processing methods and where we got the data.
- **Safety and Security:** Prioritized data security to protect against misuse such as someone promoting improper ideas with our data.
- **Transparency and Explainability:** Provided clear documentation on data sources and processing steps and prioritized having a full understanding of the datasets.
- **Fairness and Non-Discrimination:** We kept in mind the fact that certain developing nations need to have a higher output of CO2 than others
- **Human Control of Technology:** Emphasized the importance of human interpretation and oversight in the analysis such as missing pieces of data or typos.
- **Professional Responsibility:** Adhered to ethical standards in data handling and reporting as mentioned earlier.
- **Promotion of Human Values:** Aligned the dataset exploration with values that prioritize environmental well-being and the safety of humans going forward

## Contact Information:

For inquiries or collaboration opportunities, contact Connor Bye at [conrbye@uw.edu](mailto:conrbye@uw.edu) or Mo Khairullah at [khair@uw.edu](mailto:khair@uw.edu)

## Contributors:

Connor Bye and Mo Khairullah

## Purpose:

The CEGD Dataset illuminates the intricate relationship between rising CO2 emissions since 2011 and the increase of global disasters. By merging and analyzing datasets sourced from reputable environmental agencies, we uncover meaningful insights that contribute to a deeper understanding of the environmental impact of human activities. This dataset serves as a valuable resource for researchers, and policymaker to do sustainable practices and mitigate the impact of climate change.