Climate Change Visualization

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OUR STORY

- Project goal: Determine if climate change is real and how it can impact us
- Presentation focus: Environmental impact of climate change between 1992-2022
- If climate change is real, it could cause significant problems, and ignoring it is not an option

CLIMATE CHANGE PARAMETERS

A

Temperature

changing weather patterns and disrupting the usual balance of nature

B

Precipitation

More frequent and severe floods and droughts

C

CO2

When carbon dioxide (CO2) is released into the atmosphere, it can trap heat and cause the Earth's temperature to rise

D

SEA LEVEL

Sea level rise can cause permanent flooding and more frequent tidal inundation

OBJECTIVES

1. Creating visual charts
2. Analyzing the information received
3. Creating a convenient dashboard for users

“The Earth is a fine place and worth fighting for”

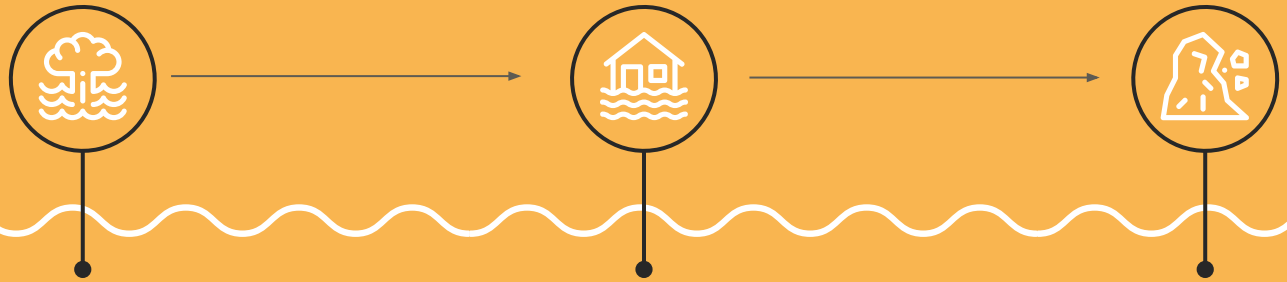
Ernest Hemingway

OUR DATA

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Our World
in Data

OUR PROCESS



Front-End

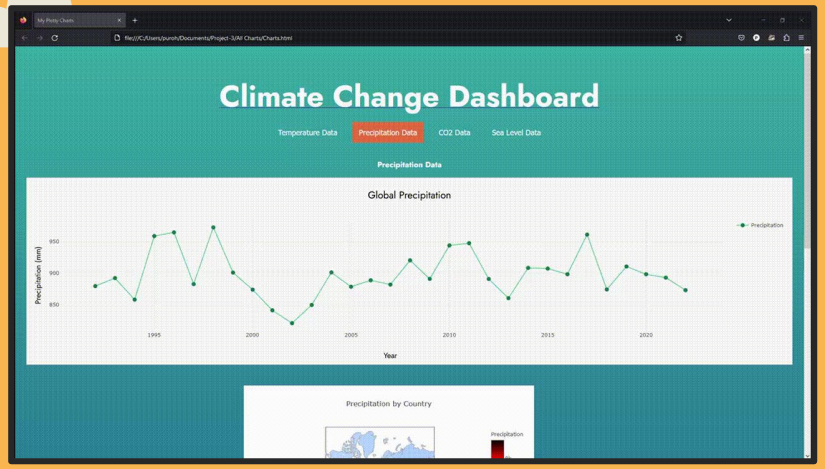
HTML/CSS
JS

Middleware

Flask

Back-End

PostgreSQL



Our Dashboard!

LIMITATIONS

3 DECADES

Limited to 30 years of data

INCONSISTANT DATA

We dealt with inconsistent/missing data throughout this process

Thank You!

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