NATURAL DISASTERS - DATA OBSERVATIONS FROM 1970 TO 2021

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INTRODUCTION TO DATA ANALYSIS AND INITIAL HYPOTHESIS

- Dataset Focus: Natural Disasters Occurrences and Location

  - Occurrences from 1970 to 2021, including Unique IDs, Countries, Years, Continents, Disaster Types and Total Deaths.

  - Sourced from Kaggle.com as "notable" natural disasters.

- What we Initially looked for: Climate Change having an impact on Natural Disaster Occurrences from a causation perspective.

- Challenges we Found: Annual Temperatures Data, Economic Data and Longitude and Latitude Data was lacking within the Dataset.

WHAT WE FOUND IN THE DATA

- Our study enabled us to investigate observations of Frequency (Count by Years) and Impact (Total Deaths) of Natural Disasters.

- We placed priority on ensuring that we could link the Longitudinal and Latitudinal data for mapping purposes.

- Focused on determining if the findings point to future case studies that can target specific countries to create an data models that could enable our exploration on Climate Change.

OUR API & WEBSITE

FINAL REMARKS AND QUESTIONS

- Total Natural Disaster occurrences has increased over time.

- Standardization of Data Collection for Natural Disasters has varied over time.

- More Data is available closer to modern times and depending on which country has collected it.

- There are opportunities to focus case studies to create predictive models including annual temperature changes to confirm the hypothesis of the contribution of Climate Change.

- Question and Answer Period (time permitting).

CITATIONS

- https://www.nature.com/articles/s41597-022-01667-x
- https://www.sciencedirect.com/science/article/pii/S2212420921005057