

Group Project 3 Elevator Pitch:

Tornados in the United States.

THE WHY: Analyzing and graphing tornado data in the USA is important for identifying the areas most prone to tornadoes. Investigating their impact on communities and the economy, and understanding their relationship with climate change. The results will be visually displayed to raise awareness and promote informed decision-making for mitigating the impact of these storms on vacation planning, purchasing a home and on the bigger picture this data can assist with: Business Planning, Public Safety and Emergency response planning, Climate Change research, Agricultural impacts, Urban planning & Insurance and Risk management, Pollution effects.

- 1) Where they happen? The most?
- 2) When they happen? The most?
- 3) What damage/fatalities they cause?
- 4) Strength EF Scale.

Initial Data Sets used:

<https://www.spc.noaa.gov/wcm/#data>

<https://data.world/dhs/historical-tornado-tracks>

Secondary Backup Data to confirm the first data set:

<https://www.ncei.noaa.gov/access/monitoring/tornadoes/ytd/1/data.json> to

<https://www.ncei.noaa.gov/access/monitoring/tornadoes/ytd/12/data.json>

<https://www.weather.gov/oun/efscale#fujitascale>

Napkin Drawing/ Ideas for Dashboard.

Data feeds into displaying a map view of Tornados in the US.

This will be Divided by Year, Region/State, Strength EF SCALE.

We will try and have a map. Number of Tornadoes in that Year. Damage/Fatalities/Injuries displayed, Strength using Leaflet and bar chart using Plotly?

Napkin Drawing of Dashboard:

