



Tornadoes : A Force of Nature

Project Group 6



Group Members

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What is a Tornado?



- A violently rotating column of air touching the ground
- Found usually at the base of a thunderstorm



TORNADOES IN THE USA

Our Pitch!

Thought Process

Exploring DATA
to find what is
important to
our topic of
Tornadoes.

Extracting the:
WHERE,
WHEN,
WHAT,
HOW.

Code and
Visualize
sections:
CHART,
MAP,
DISTRIBUTION

Testing EVERY
step of coding.
Testing for EASE
of USE along
the way.

Being Happy
with a Final
Product for the
END USER.

Tornadoes by the Numbers: Frequency, Type, and Impact

1950-2021

Tornado Count

68868

Tornado Fatalities

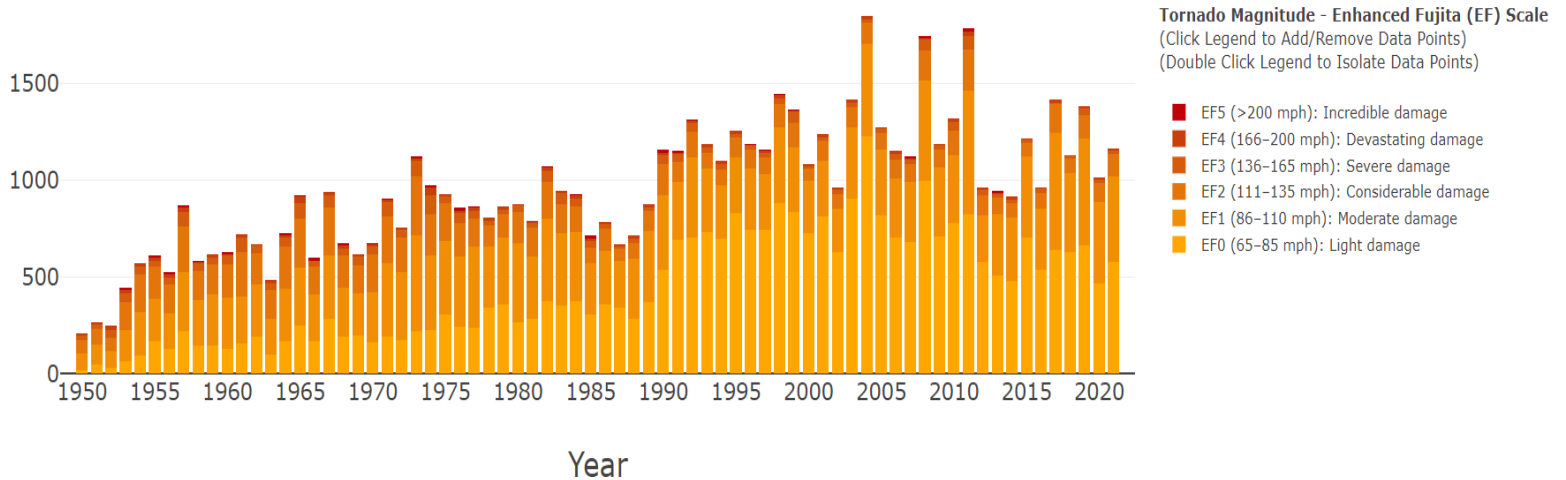
7230

Tornado Injuries

111107

Number of Tornado Events by Magnitude and Year

Number of Tornado Events



Most Active States for Tornadoes

1950



☒ Tornadoes

Los Angeles

Phoenix

México

Ciudad de México

La Habana

The Bahamas

Cuba

República

Ottawa

Washington

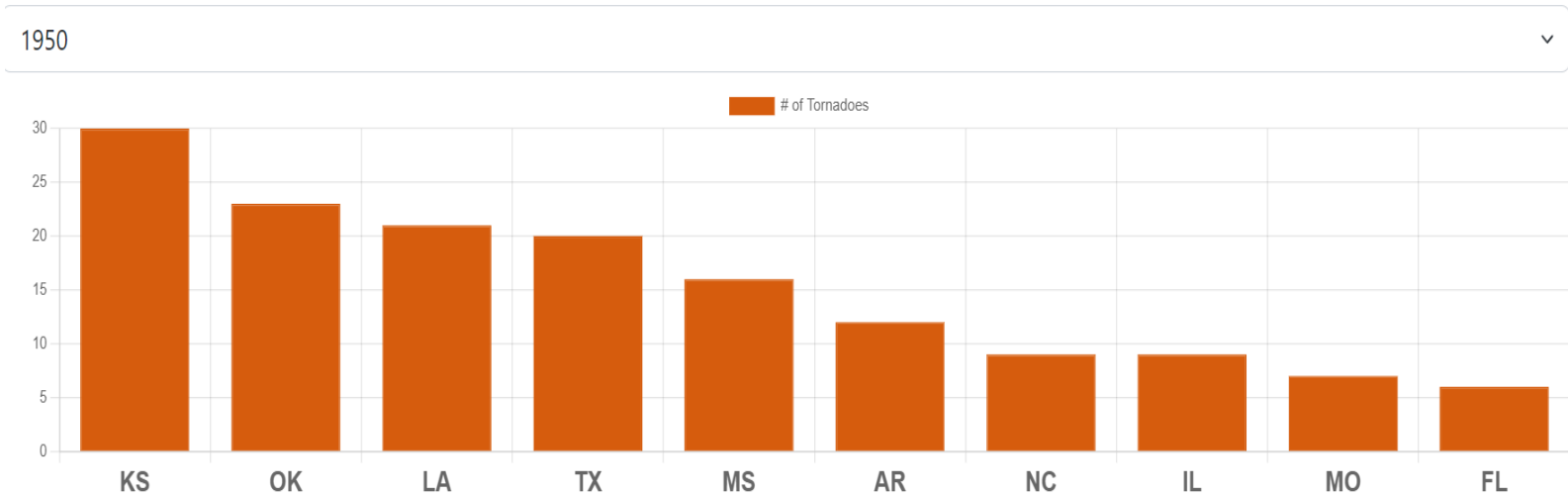
New York

Tornado EF Scale:

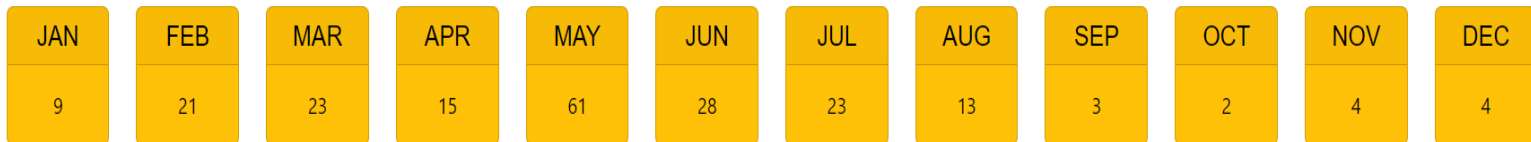
- EF0 (65–85 mph): Light damage
- EF1 (86–110 mph): Moderate damage
- EF2 (111–135 mph): Considerable damage
- EF3 (136–165 mph): Severe damage
- EF4 (166–200 mph): Devastating damage
- EF5 (>200 mph): Incredible damage

Charting Distributions of States and Months

Top Tornado States By Year



Monthly Distribution For US



Limitations

- Knowledge
- Approach
- Information availability





Conclusions and Connections

Average Person

- Planning a Vacation
- Buying a house

Big Picture

- Business Planning
- Public Safety and
Emergency Response
- Urban Planning

A vibrant, swirling column of orange and yellow energy or light, resembling a stylized flame or a powerful vortex, dominates the left side of the image. The column has a twisted, helical structure, with bright yellow highlights and darker orange tones. It appears to be rising from a base of swirling purple and blue light. The background is dark and textured with faint, swirling lines in shades of purple and blue, creating a sense of depth and movement.

QUESTIONS?