

### **What is your dataset and why did you choose it?**

- US Tornado Dataset 1950-2021
- [https://www.kaggle.com/danbraswell/us-tornado-dataset-1950-2021/data?select=us\\_tornado\\_dataset\\_1950\\_2021.csv](https://www.kaggle.com/danbraswell/us-tornado-dataset-1950-2021/data?select=us_tornado_dataset_1950_2021.csv)

### **Inspiration**

- Tornadoes occur more frequently in the USA (and Canada) than other countries, making it particularly relevant to the researchers as well as anyone who is interested in the destructive potential of the natural disaster which is the tornado.

### **Possible visualizations**

- Map sorted by:
  - Year (with date included)
  - Magnitude
  - Injuries (with fatalities included)
- Line chart: tornadoes over the years
- Bar charts: highest magnitude tornadoes, highest number of injuries/fatalities
- Pie chart: states with the most tornadoes

### **Color theme**

- Morph: <https://bootswatch.com/morph/>

### **Roles and responsibilities**

- Tyler Beringer
  - SQLite database
  - Flask backend
- Cassidy Bell
  - "Home" page
  - "About Us" page
- Aaron Suarez
  - "Map" page
  - "Works Cited" page
- Neelam Prasad
  - "Dashboard" page
- Group
  - Writeup
  - Slides