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1. Purpose

We want to investigate some predictors to illustrate the impact of the hurricane.

2. Data Processing

Amalgamate current data we have already used in EDA, such as buoy data and the hurricane data.

3. EDA

- Draw several maps and the outcome might include but not limit as follows:

A. map_counties metric = rainfall, wind, distance

B. map_tracks event_type= flood, tornado

C. map_rain_exposure

D. map_event_exposure

E. more maps with the data explored in buoy data

- Pick a Buoy near the landing spot. Measure the change of rainfall, humidness and atmospheric pressure around it in three time points: before the hurricane approaches, when the hurricane is at its closest position to the buoy, and after the hurricane left.
- Explore the relationship between the measure of effect of the Hurricane and its distance to the certain Buoy we picked.

4. Timeline

The period of time when the hurricane landed

5. Deliverable

Several maps including the hurricane track. Visualization of the Buoy measure before, when and after hurricane.(12hours(6 hours before, 6 hours after)) and the measures from hurr_track dataset(three time points for bar plots).