TOPIC: **Group 5 – Project 2 Proposal “Hurricane Survival Guide”**

We have chosen to study hurricanes and their impact on the United States Gulf Coast through history. Our objective is to gather hurricane data from the [Kaggle Hurricanes and Typhoons, 1851-2014 Dataset](https://www.kaggle.com/noaa/hurricane-database) (Subject to change.. may use 2019 dataset) which includes latitude and longitude of hurricanes over time leading up to and beyond landfall, as well as wind speed, pressure, and direction. We want to study the damage caused by these hurricanes and what trends lead to the most expensive and life-threatening hurricanes and tropical storms in the Gulf of Mexico. We will utilize Web-Scraping as part of our ETL do download information on damages from Wikipedia ([Damage Data](https://en.wikipedia.org/wiki/List_of_deadliest_Atlantic_hurricanes%23:~:text=The%20deadliest%20Atlantic%20hurricane%20in,11%2C374%20deaths%20attributed%20to%20it%20) example, along with others) and integrate that into our Kaggle dataset. We will create a user-friendly web server to host Visuals and Statistics regarding the data. We will utilize geo-mapping to create an interactive map of the hurricanes path, severity, and damage. We will also use Leaflet to create more interactive features to compare variables and trends. We will use PostgreSQL to store our database.

LINK TO DATA & SCREENSHOT OF METADETA: [Kaggle Hurricanes and Typhoons, 1851-2014 Dataset](https://www.kaggle.com/noaa/hurricane-database)

![A screenshot of a cell phone

Description automatically generated]()

RELEVANT VISUALIZATIONS:

![A picture containing text, map

Description automatically generated]()A close up of a map

Description automatically generated

FINAL DESIGN SKETCH

A screenshot of a cell phone

Description automatically generated

GITHUB LINK: <https://github.com/claybeaver/Project2-Group5>