FINAL GROUP PROJECT

PROJECT IDEAS

- **Using Airbnb and weather data sources to determine popular vacation sights in the US (Focus on country.)**
- **Using Airbnb and weather data sources to determine popular destinations in one place (example: Utah or Hawaii.)**
- **Using weather API for vacation ideas (Not geared towards a business)**

PROJECT QUESTIONS

- **"What are the top vacation rental markets based on occupancy rates and weather patterns, and how do they compare to each other?"**
- **"How does the seasonality of vacation rental demand in different markets correspond to the weather patterns, and what is the best time to invest in each market?"**
- **"What is the impact of weather events such as hurricanes, wildfires, and flooding on vacation rental markets, and how can investors mitigate risks?"**
- **"How do pricing strategies for vacation rentals vary based on weather patterns, and what are the best pricing strategies for different weather conditions?"**
- **"What is the historical performance of vacation rental markets in terms of occupancy rates, rental income, and return on investment, and how does weather data impact these metrics?"**

GROUP STRENGTHS

- **Josh**: Machine learning
- **Alina**: Design, HTML, CSS
- **Scott**: HTML, CSS
- **Deb**: ReadMe

ZOOM NOTES

- Wednesday 2/29:
  - https://openweathermap.org/api (Dataset we are using)
  - Tie it into our story with investments
  - Yes or No questions based off of all metrics (Machine learning model)
  - Overall question (Is this location the most ideal to invest in)
  - 3 primary metrics
  - Josh focus: Machine learning part of project
  - More columns in dataset and more questions you can ask
  - Google meet for group meetings
  - Josh: Dataframe and CSV and ML skeleton
  - Alina: Web page design; home page, learn more, showing model, showing graphs. Add blurb to ReadMe: what we are planning on doing with our website.
  - Deb: ReadMe file, Tableau, helping with HTML and CSS
  - Scott: Creating a dataset to make CSV larger
  - Meeting days for the week:
    - Sunday 6 PM - 7 PM (Taking a look of what was committed)