

Project 3 Proposal

Data Visualization

Group 5 Members:

- Allison Chase
- Ellis McWhirter
- Matthew Sanders
- Steven Quintero

An overview of the project and its purpose

- Utilizing this data set posted to Kaggle, **Universal/Disney World Incident Data (2002-2022)** <https://www.kaggle.com/datasets/aaronjones32/universalwdw-incident-data-20022022?resource=download> (This dataset has been created from the unstructured pdf file that is provided on the Florida government website, ride names have been cleaned and the parent theme park has been added to them. All other cleansing will be required by the analyst: <https://www.fdacs.gov/content/download/81386/file/exempt-facilities-report-102022.pdf>), our group will be creating an app to show guest incidents that have taken place on various rides on Florida Universal Studios and Disney World properties on an interactive map and will visualize the following charts:
 - Visualization 1: Interactive Map
 - Bubbles displays:
 - Ride Name
 - Number of Incidents
 - Incident Ratio (Male : Female)
 - Color Gradient: Number of Incidents
 - Visualization 2: Interactive Word Cloud
 - Drop Down Menu of Theme Parks
 - Word Cloud of Incidents at Each Theme Park
 - Visualization 3: Graphs:
 - Age Distribution of Individuals Involved in Incidents
 - Top 10 Rides with Most Incidents
 - Incident Distribution by Theme Park
- Project Roles
 - Allison Chase - **Initial Data Cleanup, HTML/Website Creation**
 - Ellis McWhirter - **Graphs**
 - Matthew Sanders & Steven Quintero - **Interactive Map**
 - Everyone - **Word Cloud, Manual Data Collection (Ride “Lat and Lon”s), Project Hypothesis, Initial Research, Data Analytics and Summary**