Project 3 Proposal

Team Name: Wait, I thought this was SAS class

Project Name: TBD

Introduction

Amusement parks are known to be quite exhilarating and offer a vast amount of fun for families and people of all ages. Water parks, spinning rides, and rollercoasters are a few examples of what is found at some of these venues. Not everyone is a thrill seeker though, and certain rides may be avoided due to preferences. Additionally, throughout the years, there have been reports of accidents at amusement parks that have either led to fatalities or injuries. Notably, it has created a stigma for some people regardless of a plethora of safety precautions used at amusement parks. On the contrary, some folks are not phased and see these amusement park “accidents” as quite rare.

While fatalities resulting from amusement park accidents are indeed quite rare, it does catch the attention of those who will be planning their trips in the near future. Staying informed and being mindful of ways to have a safe ride experience are advantages that the public may take.

Objective

The objective is to collect data on amusement parks, their rides, categories of the rides, defunct status, and highlighting incidents in order to have an ease of access to information about our favorite venues, which would demonstrate as advantageous and efficient for informational purposes.

Methods

1. Web scrape the *Roller Coaster Database* (<https://rcdb.com/>) for amusement parks
2. Web scrape amusement park accidents/notorious amusement parks
3. Design a Python Flask powered RESTful API and store the data in a database
4. Create a dashboard using HTML, CSS, and JavaScript with navigational menus
5. Display the data by categories of ride type, and defunct or not (if time permits)

If time permits:

1. Use amusement park accident dataset (<https://saferparksdata.org/>) as another interactive page and create a d3.js plot
2. Map amusement parks in the United States