MASSY SITUATION:
Mobility Data Analysis

Team name: Party Animals
Mentor: Kelly Gaither
Co-Mentor: Gladys Chen
Hackers: Leah Monet Morgan, Yamonta Gaines, Michael Olubode, Lisa Phan, Alex Gutierrez

Theme_song: WE ARE ONE

Party Animals Goals and Plans

❖ **Overall Party Goal: Enhance public safety and situational awareness by analyzing mobility data from Safegraph to identify and visualize mass gatherings that occurred from 2018 through February 2022.**

➢ **1st Party Task:**

Get a list of actual historical mass gathering events – date, location, and size

➢ **2nd Party Task:**

Find 1st Party Task events in the mobility data

➢ **3rd Party Task:**

Compare actual mass gathering events to representations in the mobility data.

➢ **4th Party Task:**

Analyze the data to identify recurring patterns and trends in mass gatherings, such as the frequency, size, and locations of events, in order to gain better understanding of the dynamics involved.

➢ **5th Party Task:**

Investigate the relationship between mass gatherings & superspreader events

Roles of the Party Animals

Primary personnel:

Visualization: Michael Olubode

Coding: Lisa Phan

Statistics: Yamonta Gaines & Alex Gutierrez

Github: Alex Gutierrez

Ground Truth Research: LeahMonet Morgan & Yamonta Gaines

Census Data Expert: Whole Group

Safegraph Data Expert: Whole Group

Shared Spaces:

- Documents/Presentations/Data
  - Google Drive
- Comms
  - Discord Channel #massysituation
- Source Code Repository
  - Github
    - Team Repo URL

Party task 5:

Understanding the relationship between mass gatherings and super-spreader events during Covid-19

+ Subtask 1: Looking at pattern of attendees leaving mass-gatherings (~ 0.5 day)

+ Subtask 2 : Map this pattern to covid spread from CDC (1 day)

+ Subtask 3: Choropleth map visualization (~ 0.5 day)