Team: Data Dawgs

## Brainstorm

### COVID - 19 Virus

* Geolocation effects
  + Cities vs. Suburbs
    - Population density
  + Domestic vs. International
  + Distance from equator (hot climate vs recovery rate?)
* Demographic effects
  + Race - are certain races more susceptible
  + Gender
  + Age
* Time Curve of increasing cases & recovered cases
  + Social Distancing percentage - effect on how quickly the virus spread
* Virus Effects
  + Spread thru Animals
  + Different types of Symptoms - severity, and most common
* Government
  + Controls & Leadership Styles (government form)
  + Curfews & Quarantine
  + Medical support
* Economy
  + Aid for Americans - unemployment rate
    - WFH vs \_\_\_\_\_
  + Relief packages/plans per country
  + Changes in purchase behavior / consumption of specific items
    - Specific industry changes (airlines, ecomm, beauty,
  + Stock market
* Psychological Impact
  + Emotional distancing
  + Lack of social interaction
  + Home fitness
* Materials it sticks to: cardboard/metal/plastic

## Scope:

Amount of effort to clean the data: We are using 1 robust data set that includes all the information we need in order to answer the below questions

The Size of the Data: 4MB

Can we answer the questions: Yes

Will it meet the time requirements: Yes

Project Title: COVID-19 Data Exploration

## Team Members: Star Rota, Marissa C, Moe Ji, Matt Daugherty

## Project Description / Outline:

Analyzing the COVID-19 data sets below to understand the effect the virus has on medical status (i.e. Confirmed, Recovered, Deaths):

* Medical Status by Country
* Medical Status by Age
* Medical Status by Gender
* Medical Status Over-Time

## Research questions to answer:

* Which country has the lowest confirmed cases of COVID-19
* What age group has a higher death rate
* Which gender has a higher chance of recovery
* What is the typical lifecycle of the virus

Datasets to be used: <https://www.kaggle.com/sudalairajkumar/novel-corona-virus-2019-dataset>

## Rough breakdown of Tasks:

* Downloading/Sourcing/GitBash: All, Matt
* Cleaning: Marissa, Moe
* Analyzing: Matt, Moe, Star
* Visualizing: All
* Presentation / Powerpoint: All Team

Repo: <https://github.com/gkmatt29/Group-Project>