Project Title: Fitness Training

Team: Freddy, Shriya, Sanmi, Kassidy

Project Description:

We aim to investigate how gym accessibility factors may affect an individual's training preferences. The training preferences we will be focusing on will be Gym/weight training, at-home training, and endurance/marathon training. The factors that we will be evaluating under accessibility will be the cost of gym memberships, number of gyms at each of the 44 cities, means of transportation, and income levels by state. We will use different data sets like census API and Kraggle to find data sets to represent these figures. We will analyze how each of these factors affects individuals' choices, and if there is any correlation between them. We will use data tables and plot different graphs to present our findings.

Research Question(s): How does accessibility to the gym affect training preferences? accessibility sub-questions include how gym membership cost affects training preferences, how the availability of public transportation affects training preferences, and how the income level of the trainee affects training preferences.
The training preferences included are; at-home training including dumbbells, pelotons, and other at-home devices, gym memberships including commercial and private gyms, and endurance training such as marathon training, triathlon training, and other exercise training for long periods.

Datasets: Kaggle (fitness search term tbd), gym websites (Planet Fitness, Crunch Fitness, LA Fitness), census API for income, transportation, training costs

Tasks: Question Making, Data Finding, Data Cleaning, Data Analyzing, Data Modeling, Writing