Obesity, Obesity and Obesity

**Team Members:**

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**Project Description / Outline**

Upon discussion, we decided to conduct a research on how Obesity rate correlates with the cause in the United States of America. We have chosen to look at Fast Food restaurants availability, the walkability to public transport (Availability), physical activity locations, and their age group.

**Research questions to answer**

1. The more accessible the fast-food restaurant the higher the obesity rate?
2. Which gender prefers fast food that leads to obesity?
3. Does the walkable distance to public transport relates to obesity?
4. How many are walking for their day-to-day need? (Location of supermarket, bus stops)
5. The more accessible a physical activity location, the lower the obesity rate
6. The less accessible a physical activity location, the higher the obesity rate
7. What population groups are most at risk to not meet physical exercises?
8. Younger generation that tends to prefer fast food would be more obese
9. Older generation that are more immobile tend to be more obese

**Datasets to be used**

* <https://open.cdc.gov/apis.html>
* <https://cloud.google.com/maps-platform/?_ga=2.80353745.735577293.1618924935-1052635322.1618821265>
* <https://data.world/health/childhood-obesity-in-theus/workspace/file?filename=obesity_child_age.csv>

**Scope**

Dataset Time to be 2019

All analysis and data to contain data of all the 51 states in USA.

Average of Walkable distance - Public transport (Get total for each state)

Fast food -Include all restaurants in Number of restaurants per state (Heat Map number of Restaurant vs Obesity)

Top 5 Fast-food restaurants - McDonald's, Starbucks, Chick-fil-A, Taco Bell, Burger King

According to <https://www.eatthis.com/most-popular-fast-food-chains/>

# Instead of pinpoint every individual fast-food restaurant, do a count of the restaurant for each state, use the dot size as the heat map.

Age group - Children and Teens (Ages 2 - 19 years) Adults - 20 Over

Physical activity facilities to focus on Parks and Gyms

**Rough breakdown of tasks by members**

All team members - Data Wrangling and Data Cleaning, presentation

Amin Ali – Fast Food Questions

Fang Xuan Foo – Physical Activities Question

Narisara Kantanong – Age Group Question

Rajesh Nair – Walkability Questions