

FINAL PROJECT IDEAS

-Iris Ryu-

Analyze impact of food environment to health

PROBLEM

Understanding whether food environment impacts health profiles in the US may help us better understand reasons for poor health and identify opportunities to improve it. This may help achieve UN's Sustainable Development Goal 3 "Good Health and Well-Being"

HYPOTHESIS

Areas with more fast food restaurants and access to processed food will be more likely to have poor health

DATASET

- United States Department of Agriculture Economic Research Service

<https://www.ers.usda.gov/data-products/food-environment-atlas/data-access-and-documentation-downloads/>

Predict sanitary inspection ratings of restaurants in NYC

PROBLEM

Sanitary inspection ratings take time to update/renew. If we can predict sanitary inspection ratings by restaurant type, location, food poisoning occurrence, rodent appearance etc it may help restaurant owners and consumers

HYPOTHESIS

Areas with more rodent appearance and food poisoning occurrence will tend to have more low ranked restaurants

DATASET

- NYC.gov NYC open source data (2010 - 2017)

<https://data.cityofnewyork.us/Health/DOHMH-New-York-City-Restaurant-Inspection-Results/xx67-kt59>

<https://data.cityofnewyork.us/Health/Rodent-Inspection/p937-wjvj/data>

<https://data.cityofnewyork.us/Social-Services/food-poisoning/gjlf-etq5>

Predict 2017 New York Marathon Finish Time

PROBLEM

To help an individual plan training and identify a goal finish time and to help organizers plan staffing and volunteer allocation to hold a seamless event. Analysis will be done by looking at variable such as **age, nationality, split times, race start time, etc.**

HYPOTHESIS

Age, race start time and split time will have a high correlation with finish time, but nationality will not have as much of a correlation

DATASET

- New York Road Runners Database (1970 - 2015)

http://web2.nyrrc.org/cgi-bin/htmllos.cgi/mar-programs/archive/archive_search.html