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385T.9 Data Wrangling
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Austin Restaurants and Inspection Ratings

My project will be to discover if there is any correlation between a restaurant's food inspection grade and what type of restaurant it is and/or its general location in the city. I am hoping to see if food inspection scores can be correlated with some combination of restaurant type (e.g. Chinese, Italian, etc.) and demographic aspects of location.

My sources contain data on food inspection score, restaurant type, and restaurant location by restaurant name, as well as unemployment rates, median household income, and median home value by zip code. The analysis will compare different groupings of restaurants, such as all Italian restaurants or all restaurants in high-income zip codes, against average inspection score values. Another aspect I am interested in including is the number of inspections different groupings of restaurants are subjected to compared to the average number of inspections for the time period.

Food Inspection Scores (for the last three years):

https://data.austintexas.gov/Health-and-Community-Services/Food-Establishment-Inspection-Scores/ecmv-9xxi

Restaurant Types (called "categories", assigned by Yelp):

https://data.world/ssaudz/1000-austin-restaurants

Austin Demographic Data (from 2014):

https://data.austintexas.gov/Building-and-Development/2014-Housing-Market-Analysis-Data-by-Zip-Code/hcnj-rei3