

Introduction



Motivation

A restaurant chain wants to expand

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Goal

Prescribe the best decisions to make to increase customers/revenue

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Objectives

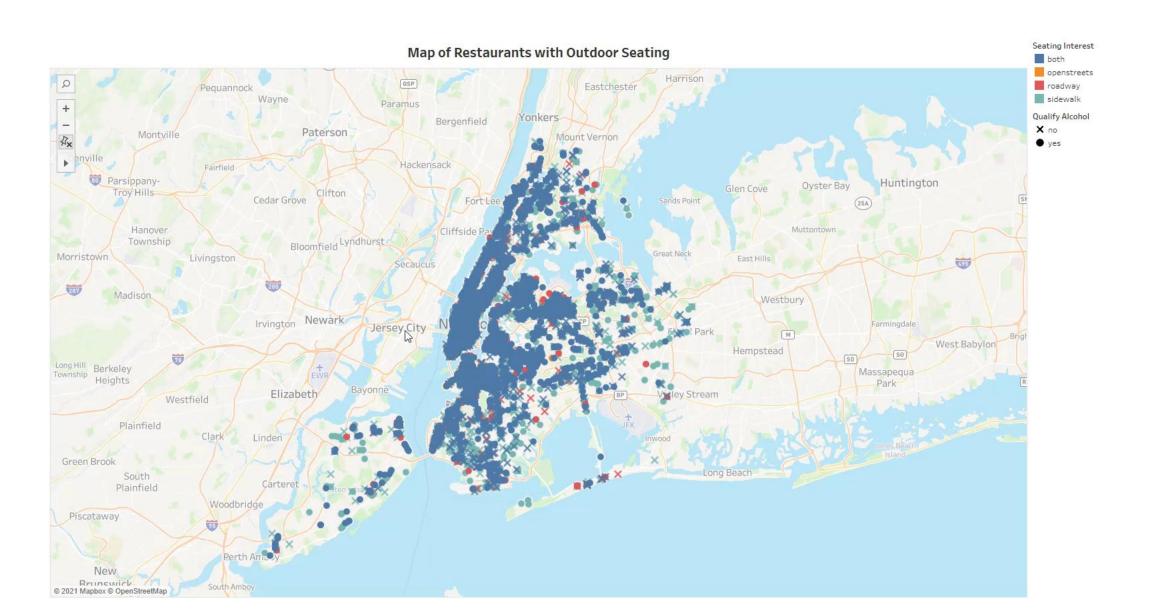
Obtain data
Create visualizations
Interpret information
Reach conclusion

Data

- Open Restaurant Applications
 - ♦ Geographic
 - Outdoor type (Sidewalk/street)
 - ♦ Seating area
 - ♦ Alcohol license
- ♦ MenuStat
 - ♦ Food categories
 - ♦ Nutrition

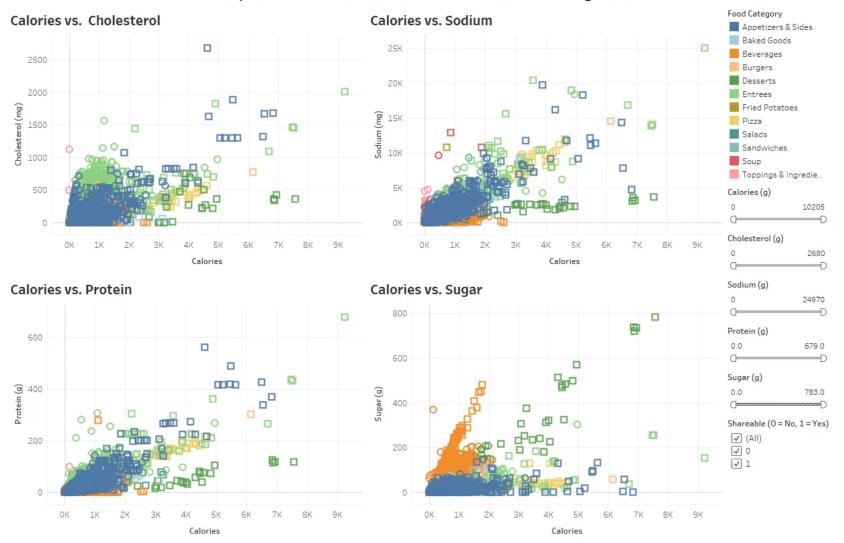


Results



Results

Comparison of Calories and Nutrition of Food Categories



B

Conclusions



Restaurants clustering

Risk:

Competition

Reward: Visibility



Qualities of different food categories

Are people aware?

Do they care?



More data will be useful

Future Work



Acquire additional data

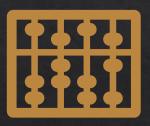
Web scraping
Relationship between location & menu

Future Work



Acquire additional data

Web scraping
Relationship between location & menu



Create prescriptive model

Locations, menu items

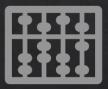
New customers vs. revenue

Future Work



Acquire additional data

Web scraping
Relationship between location & menu



Create prescriptive model

Locations, menu items
New customers vs. revenue



Expand scope

Function in any area (w/ map data)

Use for other industry

Appendix

Sources

- ♦ NYC OpenData, opendata.cityofnewyork.us
 - ♦ Open Restaurant Applications dataset
- MenuStat, New York City Department of Health and Mental Hygiene, menustat.org

Tools Used

- Microsoft Excel
- ♦ Tableau