From Millionaire to Billionaire

Team: MonsterLearningSquared

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How to make a successful restaurant?

- To learn from successful ones
 - Highly rated
 - Popular (# review)
- To improve relatively inexpensive factors
 - Waiting time
 - Service

Do these improvements work?

Data Cleaning:

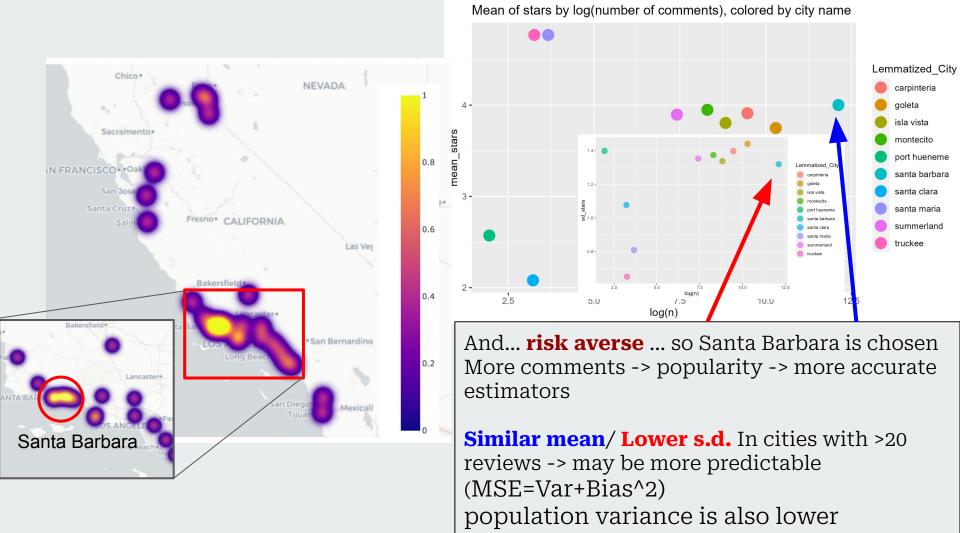
- Lemmatize Cities
- Extract Categories

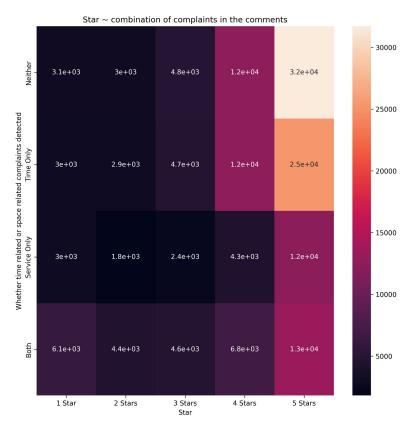
Data Enrichment (on columns):

- Left-joined business and users on reviews
- Added encoder for the presence of top frequent words, sentiment score (from Vader)

Identify a cost-effective subgroup with sufficient reviews, reasonable star rating, impacted by waiting time and complaint handling

Recursively infer target subgroup by inference tests and correlations





Outperform, or increase ratings by shortening waiting time and improving service?

X-squared 8365.7,df=12, pval<2.2e-16

What other aspects & keywords matters?

Correlation of potential predictors to stars given to restaurants in Santa Barbara, including features from frequency selection, encoding from presence of time/service complaints

