

SoCal Hackathon 2023

Yelp Review Analysis

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Business Problem to Solve

How to utilize customer review to help restaurant business

Problem Statement

1. How do subcategories improve Yelp popularity?
2. What do customers expect from restaurants?

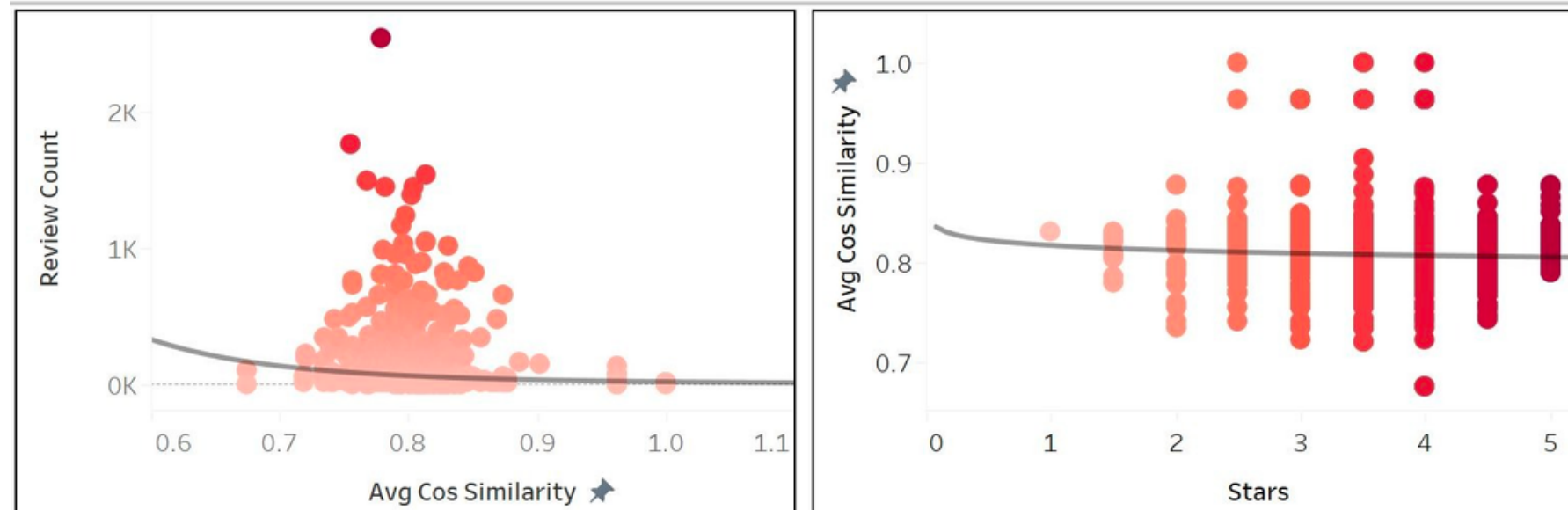
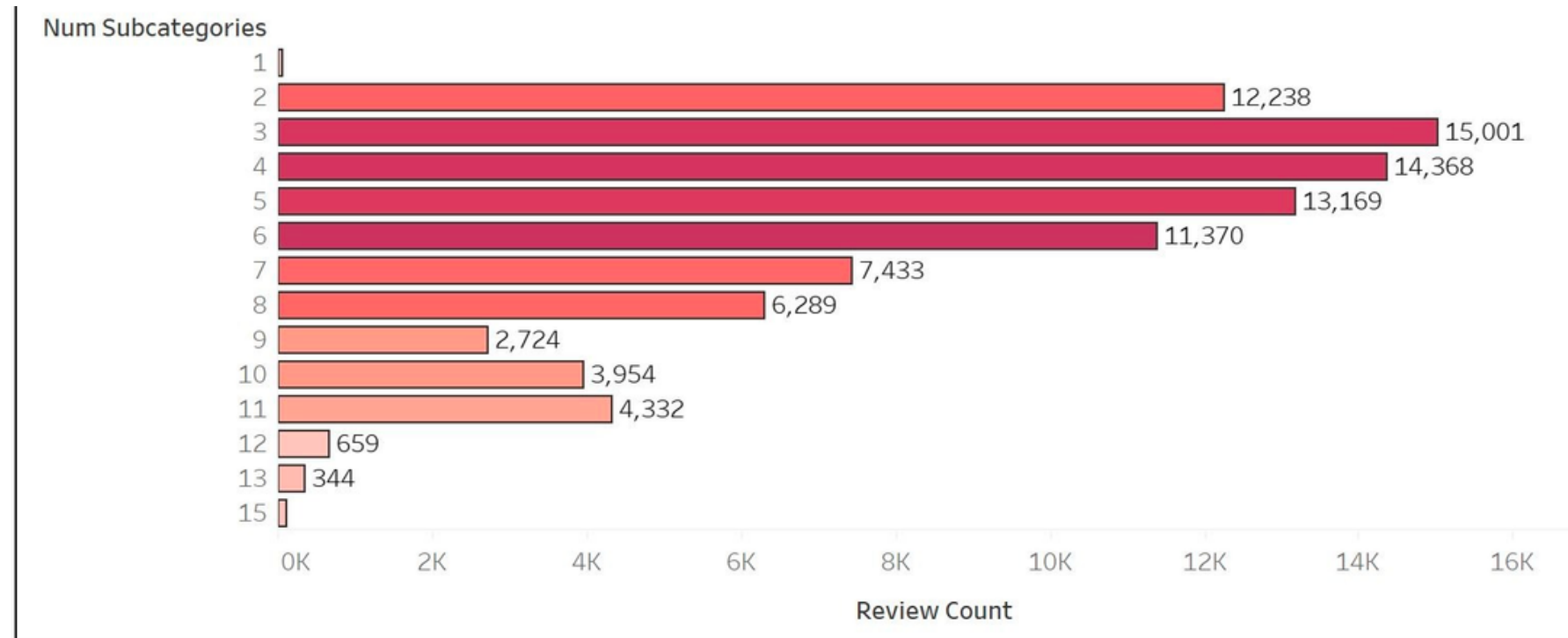
Algorithms Used

Sentimental Analysis
Cosine Similarity

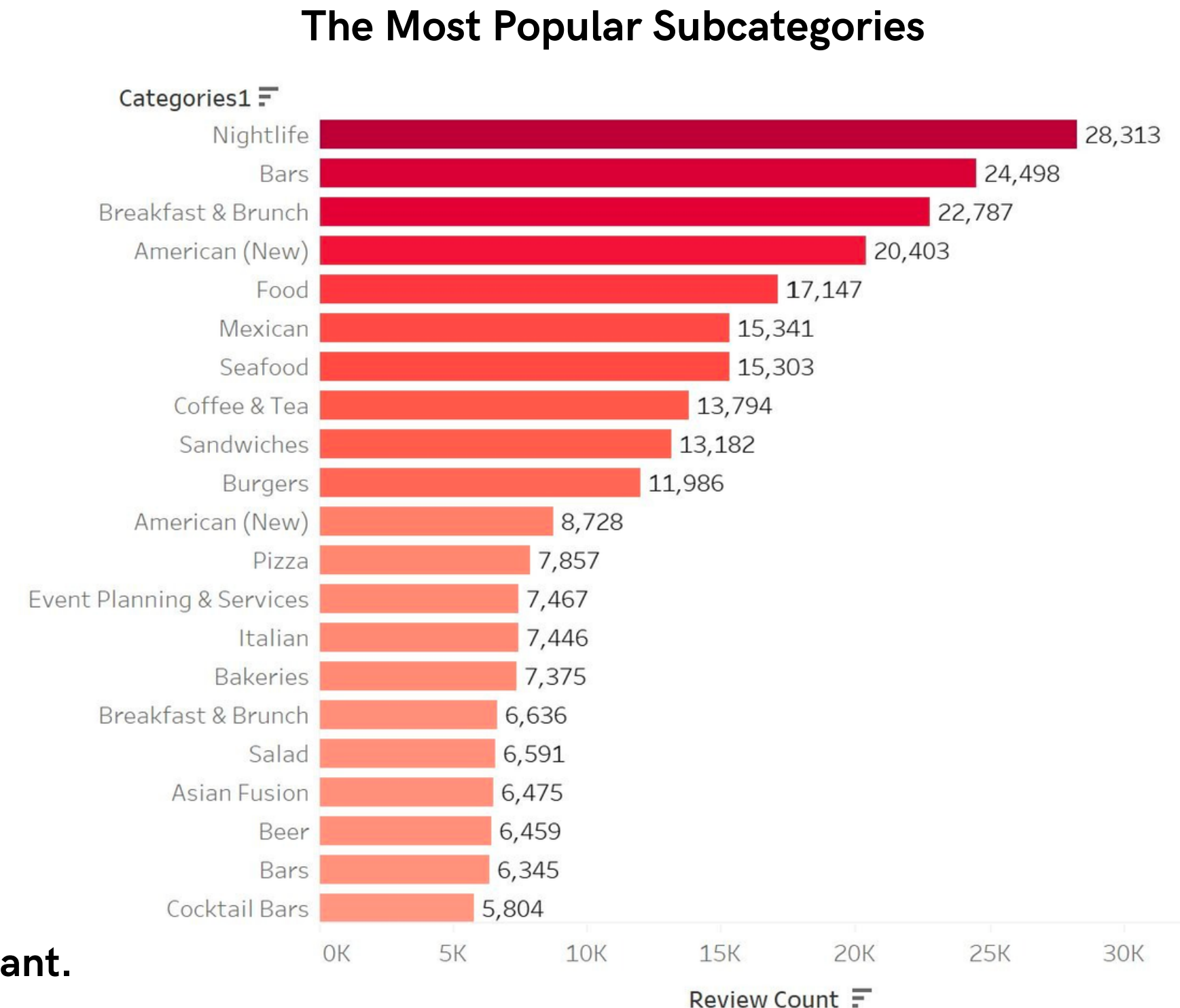
Approach



Recommendations on subcategories



- More subcategories listed on Yelp don't necessarily mean higher popularity. The optimal number of subcategories is 2-4.
- Choosing subcategories wisely to list on Yelp or start new restaurant.



How to improve?

Positive Review



Negative Review



if a restaurant want to improve its customer review rating, they should focus on customer waiting issue, improve customer experience by providing better training to its server.