



COLUMBIA UNIVERSITY

IN THE CITY OF NEW YORK

Introduction to Data Science in Industry

# A Recommendation Application For Yelp

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# Introduction

- 1) There are thousands of restaurants
- 2) Many people have a hard time making decisions even though Yelp provide a list of restaurants



““ I don't want so many restaurant information, I just need someone tells me what restaurant fits me best.

Customer  
Representative

# Dataset

- 1) From Kaggle.com
- 2) Features: Reviews, Rate, ...

# Process

- 1) Evaluate customer based on input like location, types of restaurant, budget and past orders.
- 2) Analyze word frequency in reviews and add hashtags

# Results

- 1) Based on user's input, show a rank of ideal restaurants
- 2) Allow users to filter restaurant by using hashtags