



Dim Summary

Bing Chillin'

Who are we

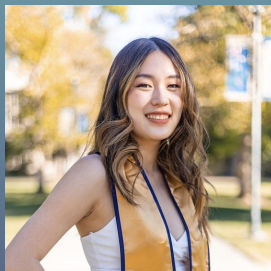
Aspiring data scientists with a passion for the Bay Area food scene.



Kayhan Eryilmaz
MLE & Data
Engineer



Chenxi Li
Full Stack & Data
Engineer



Kelley Chu
Data Scientist



Justin Chan
Front Developer &
Data Scientist



Brooks Diwu
Backend Software
Engineer

Our Company

the etymology

dim summary [dim-suhm-uh-ree] [SHOW IPA](#)  

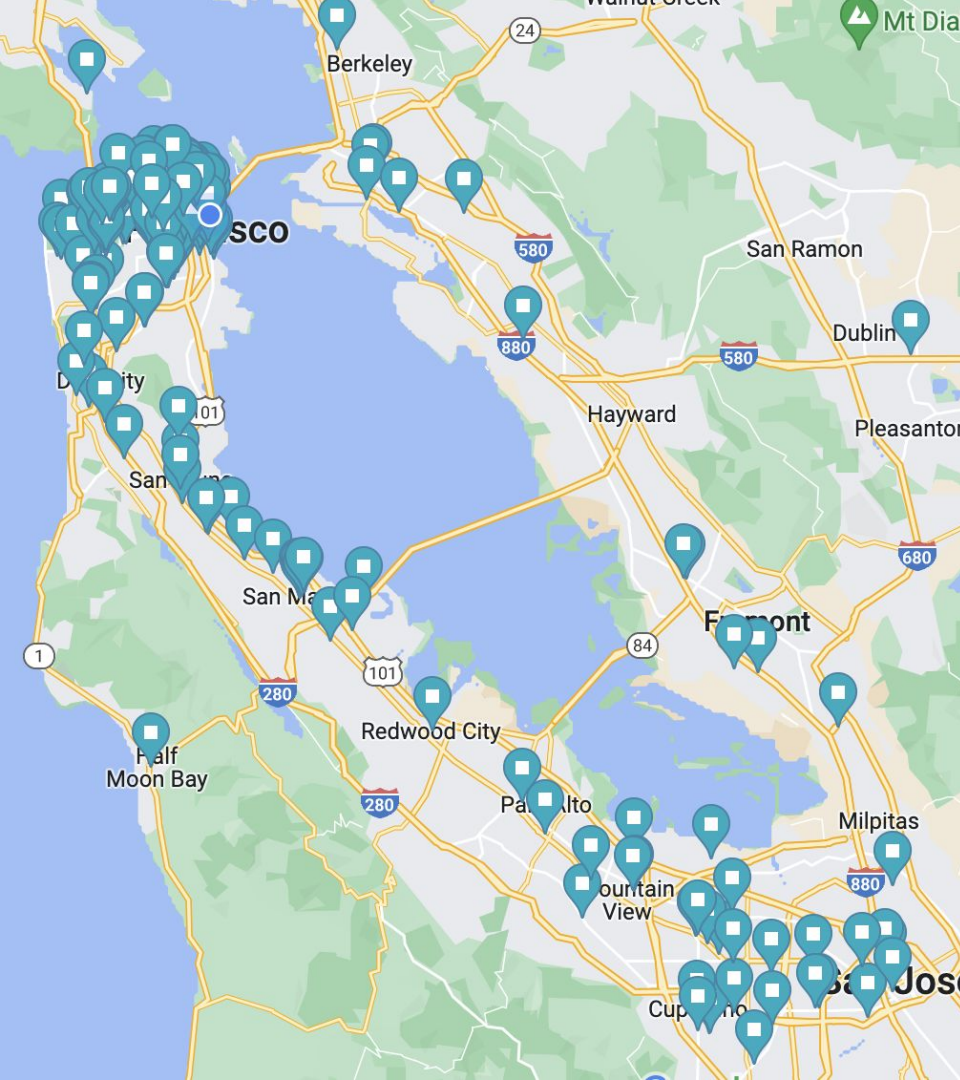
See synonyms for: [dimsummary](#) / [dimsummaries](#) on Thesaurus.com

 Elementary Level

noun, plural **dim·sum·ma·ries**.

- 1 a combination of the chinese cuisine, dim sum, and the word summary, Dim Summary is a product that aims to create informative insights about restaurants for both prospective customers and business owners using NLP driven solutions





PROBLEM

Currently, there are over
4,000 restaurants in San Francisco,
18,000 in the Bay Area,
650,000 in the United States

What's the best way to pick where to eat?
Is looking at star ratings enough?
Are user written reviews trustworthy?
How to bridge the gap between numerical
data and qualitative text?



Our Motivation

Our goal is to use natural language processing to create solutions for

Customer

- To save time
- To showcase restaurant highlights

Business Owners

- Review Analysis
- Power Insights on business



Our Target Audience and Competitors

Stakeholders

- Restaurant owners that wish to get better insight about their business
- Foodies, bloggers, or anyone who is passionate about food culture

Competitors

- The Michelin Guide
- Food Magazine Publishers

Comparative Advantage: Our utilization of language models



SOLUTION

Our product is a generative model that takes in Yelp reviews for a given restaurant and outputs a summary about the highlights of the restaurant

The user is able to choose what type of reviews you want to summarize (highest, lowest, yelp sort), and we will return an AI generated summary of those reviews



1,000

different restaurants in the Bay Area used for training



The background features a teal-to-purple gradient. In the four corners, there are decorative geometric patterns composed of white-outlined hexagons and cubes, some with small blue dots at their vertices.

35,000

reviews from Yelp used for training

PRODUCT OVERVIEW



DATA

Currently using
Yelp reviews for
our data source



Model

Summary model
on Hugging Face



Flask

JUPITER

Web application
developed using
Flask



VENUS

Hosted on AWS
Elastic Beanstalk



PRODUCT OVERVIEW – Demo

There are two sides to our product:

For prospective customers:

A simple search bar that let's look up a restaurant, and summarize a certain type of reviews

For Business Owners:

An extensive dashboard that includes key insights about a restaurant that is powered by a variety of models that perform NLP tasks.

Restaurant Name: Marugame Udon

low rated Reviews Summary

This is the second time in a row that customers have received wrong orders. Customers have reported finding hair in their food and not being able to eat it. The broth is greasy and lukewarm, and the staff are unfriendly. The restaurant has a reputation for being a quick bite, but some customers have complained about the unfriendly and unwelcoming staff. The staff is also unfriendly and unwelcoming. Overall, customers do not recommend this place and will not recommend it.

top rated Reviews Summary

Marugame Udon is a cozy, no-frills restaurant with a welcoming ambiance and a modern Japanese vibe. The menu is extensive and the ingredients used are fresh and of a high quality. The curry udon is delicious and has wonderful flavor. The restaurant has a large seating area and a self-serve tempura and katsu station. The restaurant has a spacious interior seating area as well as outdoor seating. The restaurant has a spacious interior seating area as well as outdoor seating. The restaurant staff are all very friendly..

Our Vision

Our vision is not only to incorporate more review data sources, but also more kinds of data



INVESTMENT (250k)

50%

Development costs for
AI, Data Engineering,
Software, UI/UX

20%

Marketing

20%

Business Development

10%

Resource Management



To modify this graph, click on it, follow the link, change the data and paste the new graph here

Conclusion

Creating an expansive data lake that contains for all kinds of reviews



Work with small business owners to help them grow their businesses



Adding more features to customer side such as a chrome extension



Continuously improve our generative models

