





02

03

04

project overview

We will talk about the dataset and the goals of this analysis

methodology

Tools and scientific approach analysis

Research process

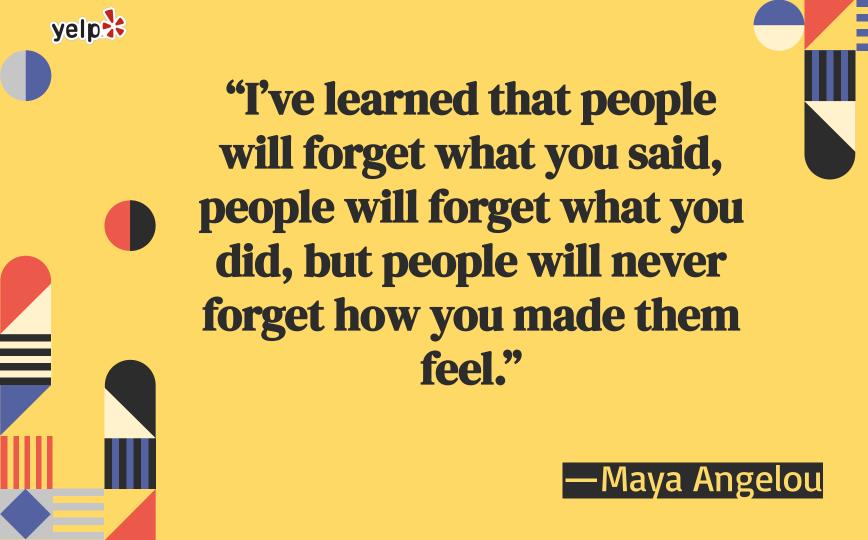
takeaways and future work

We will discuss what we learned



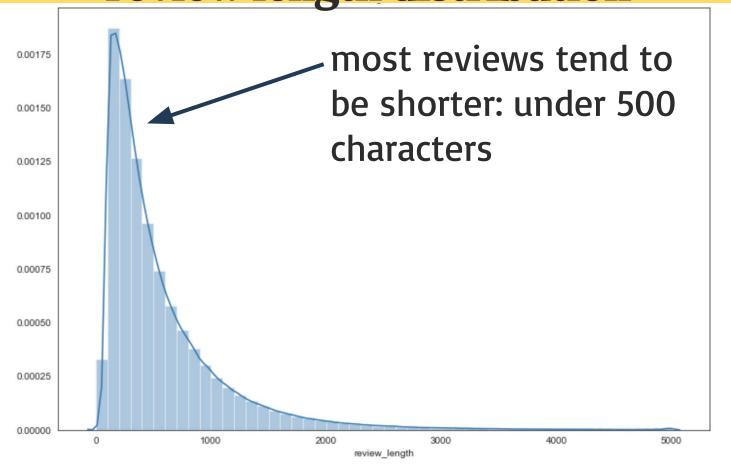
project overview

What are the users talking about?





review length distribution

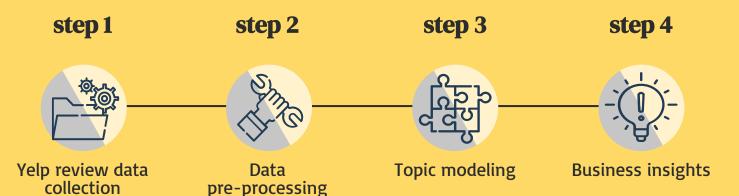




methodology

Analysis roadmap

design process









Libraries and tools



NLTK

The pillar and the pioneer of NLP



SpaCy

Helps with effective stemming and lemmatization



gensim

Works well for topic modeling and visualization



sklearn

A trusted machine learning library

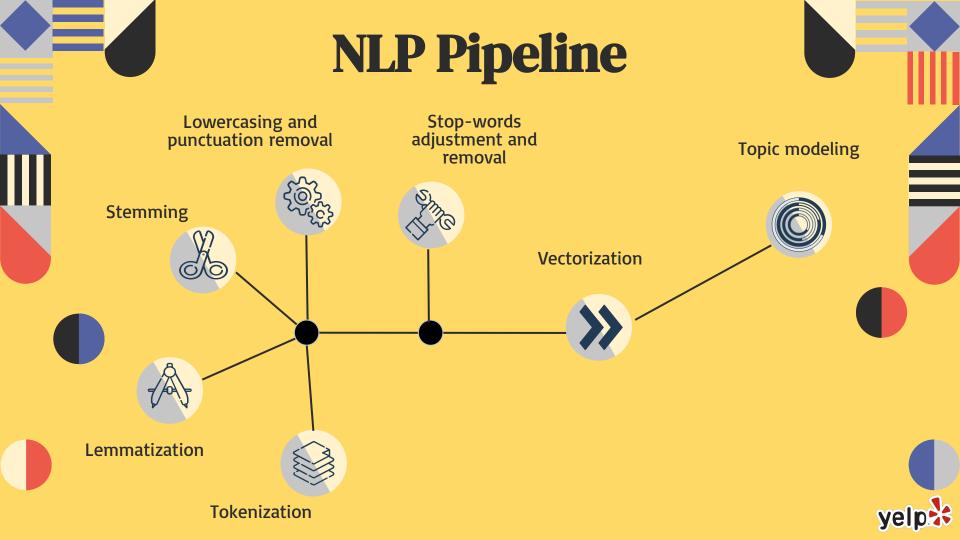




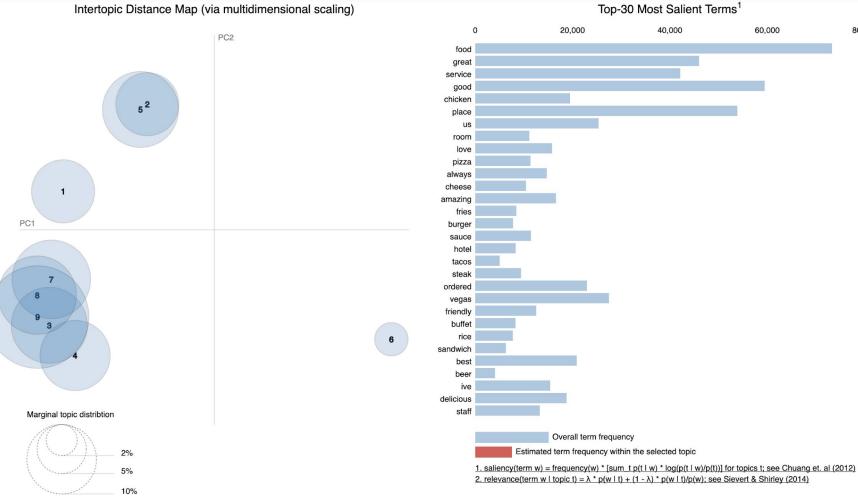


analysis

Research process



Intertopic Distance Map (via multidimensional scaling)



80,000



takeaways and future work

Conclusions and ideas



100,000

Las Vegas restaurant reviews analyzed



Prevalent topics discovered

11

Customers' favorite dishes found





Review topics discovered



Vegas strip experiences: bars, casinos and rooms

Promptness

Mentioning food and service taking long time

Casual dining

Pizza, burgers, sandwiches and tacos

Brunch

Breakfast buffet and morning rituals

Surf & Turf

High-end dinner, steak, lobster, shrimp, dessert

Positivity

Service and food complimented

what do users want?

People want experiences.





future work



Recommendation system

Providing recommendations based on users' check-ins and likes

Flask app

Web app to help users pick a place to eat



Larger dataset

All the U.S. restaurants with fully automated NLP pipeline

THANKS!

Questions?

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik.

please keep this slide for attribution:)



appendix





178,000,000 Unique visitors monthly

Increase in revenue for every star earned

44

Most visited website in the U.S.



Company timeline

