

Reusable Review Energy: Hotel Recommender - TripAdvisor

We stayed here for 8 nights on our trip

we absolutely loved it. From our arrival

to San Francisco from Australia, and

and check-in, to check-out, service

was faultless and faciliti...

Problem:

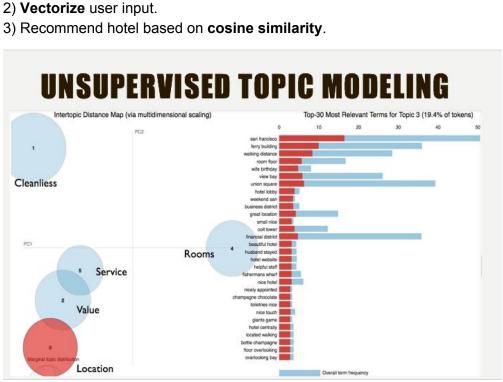
Most people only look at star ratings and read a couple reviews. The other hundreds or thousands of reviews are wasted!

Objective:

Build a Web App Hotel Recommender utilizing customer experiences from TripAdvisor Data.

NLP Models:

- 1) Build TF-IDF Matrix of each hotel.



Improve Recommendations:

We really enjoyed our time at the hotle

The service and food were wonderful.

Our room was a good size and it was

very clean. It located in a very good

Topic Model

location and would def consi.

1) Separate hotel reviews:

We arrived mid afternoon after a very

long flight and were greeted by a very

friendly receptionist. Another membe

of staff (I got the impression it may

ven have been the owner) c..

Positive, Neutral, Negative

- 2) **Cluster** sentiments by important features
- 3) Reduce dimensionality for visual interpretation

Topic Models Tech:

- 1) VADER Sentiment Analysis
- 2) Latent Dirichlet Allocation
- 3) LDAvis for visuals

Project Link:

https://github.com/steventa87/Hotel Reccomendation

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