Project 4 Proposal

Vacation Destination Recommender System

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Overview:

People always want to take a vacation – it is a great way to reset minds from daily grinds of working, studying, or otherwise. However, planning a vacation can be cumbersome for many people. They simply don’t know where to go sometimes.

I want to create a vacation recommender system for people who have an idea of how their ideal vacation should be, but don’t know what destination or what hotel/resort will give them that. Based on many reviews from reputable websites on the internet, I plan to apply NLP and develop a model that will recommend (based on user description of their ideal vacation) what location to go and what hotel to book.

Data:

I am collecting data from reviews written by travelers on these websites: Reddit and Tripadvisor. Since Reddit provides an API for developers, I plan to use the Reddit API to import traveler comments from popular travel-related subreddits (r/travel, for example).

Tripadvisor, however, does not provide APIs for research purposes. I plan to scrape Tripadvisor reviews using Scrapy spiders.

After the MVP:

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