Around the world in 80 years

Find your next adventure with NLP

Project Goal

Help user make trip plans.

User inputs desired experience such as “forest” or “ice”

App returns top travel destinations (name and pictures) based on input

Data

A list of 1001 locations(scraping)

Text descriptions(Wikipedia API) : 200 words per location on average

Images (Google API): 5 images per location to display

Algorithm

Apply Google's pre-trained word2vec model on

(i) description of location

(ii) user input

Calculate the cosine distance X between (i) and (ii)

Higher X means more similar

3 million words and phrases

100 Billion words from Google news

300-dimensional vector

Example input: “classy”

Top result:

Borghese Gallery Italy

X = 0.2822

Bottom result:

Lapland Ethnic Region Finland

X = -0.018

Live Demo

Future work

model: Incorporate more text information (history, culture, economy)

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visuals: hover text, image alignment

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interactivity: provide user locations and ask for rating

Thank you

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