

The background is a detailed historical map of Europe and North America. Red lines are drawn across the map, representing travel routes. These routes are dense in Europe, particularly in the British Isles, France, Germany, and Italy, and more sparse in North America. The map includes labels for various cities, bodies of water, and geographical features.

# European Travel Recommender

Kayli Leung





# The Problem

How do you decide where to travel?



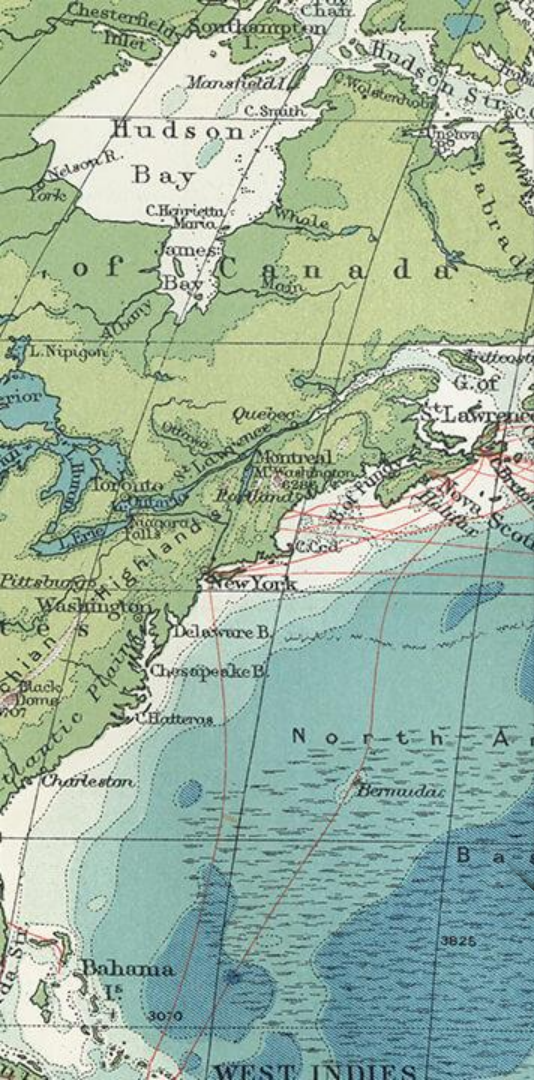


# The Solution

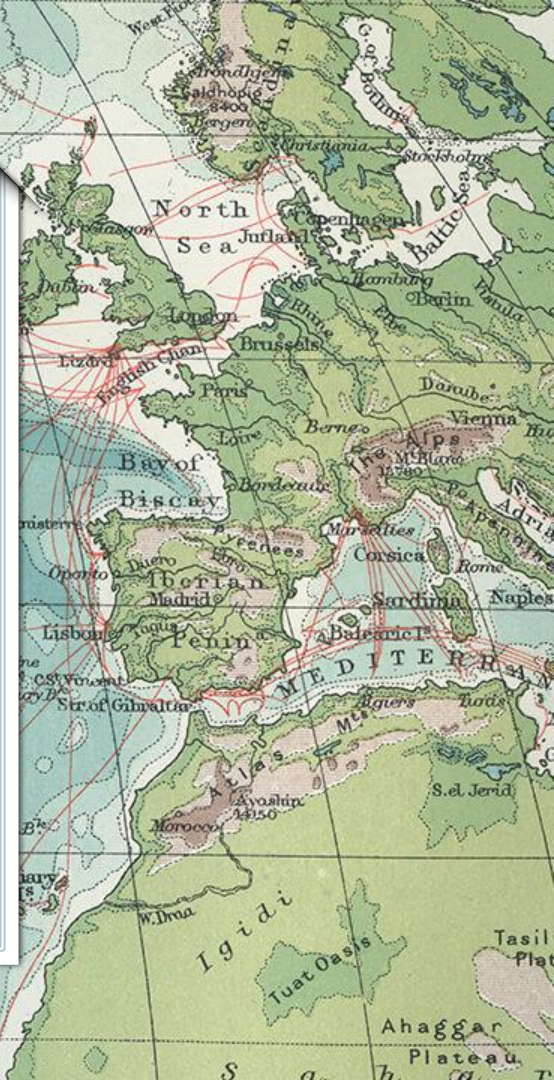


Recommend travel destinations  
by features of a trip





# The Data





## Data Collection

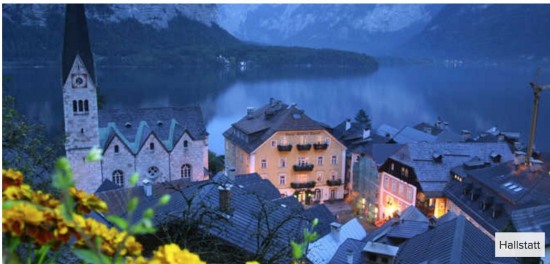


## Text Summaries: -Rick Steves' -Wikipedia

**Rick Steves' EUROPE**

Search


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Hallstatt

### Hallstatt

Share

Lovable Hallstatt is a tiny town built onto a ledge between a selfish mountain and a swan-ruled lake, with a waterfall ripping furiously through its middle. The big draws of Hallstatt are its village and its lakeside setting. Come here to relax, nibble, wander, and paddle. Beyond lies the Salzkammergut region, a gentle land of lakes, forested mountains, and storybook villages.

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The Free Encyclopedia

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## Hallstatt

From Wikipedia, the free encyclopedia

Coordinates: 47°58′N 13.64°E﻿ / ﻿47.967°N 13.64°E﻿ / 47.967; 13.64

*Not to be confused with Halstadt.*

*For other uses, see [Hallstatt \(disambiguation\)](#).*

**Hallstatt** (German: [ˈhaɪlstat]; Central Bavarian: Höistod) is a small town in the district of Gmunden, in the Austrian state of Upper Austria. Situated between the southwestern shore of Hallstätter See and the steep slopes of the Dachstein massif, the town lies in [Salzkammergut](#) region, on the national road linking [Salzburg](#) and [Graz](#).

Hallstatt is known for its production of salt, dating back to prehistoric times, and gave its name to the [Hallstatt culture](#), the archaeological culture linked to Proto-Celtic and early Celtic people of the Early Iron Age in Europe, c.800–450 BC.

Hallstatt is at the core of the "Hallstatt-Dachstein/Salzkammergut Cultural Landscape" declared as one of the World Heritage Sites in Austria by UNESCO in 1987.

**Contents** [hide]

- Climate
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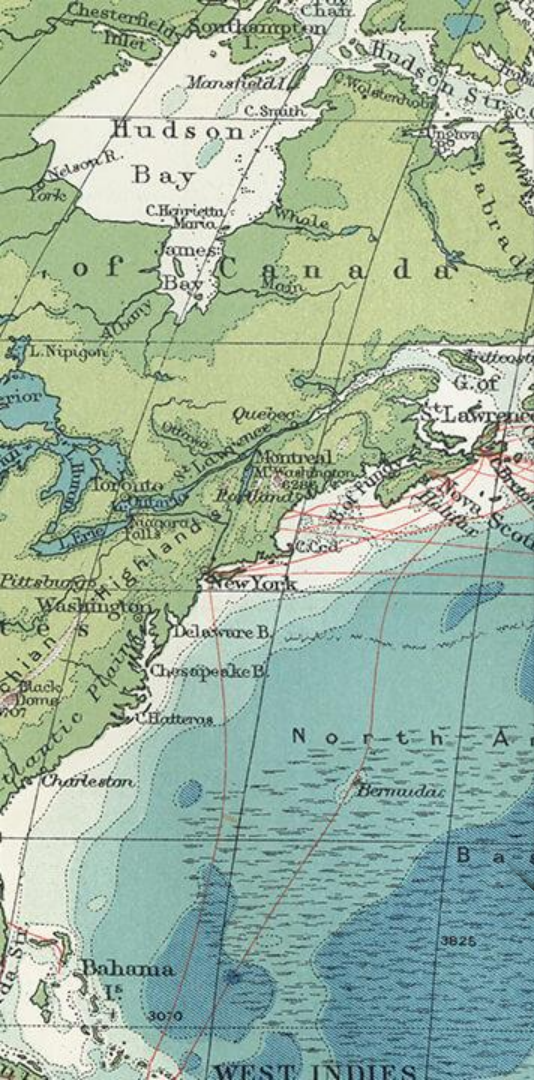
Center of Hallstatt

## Data Preparation

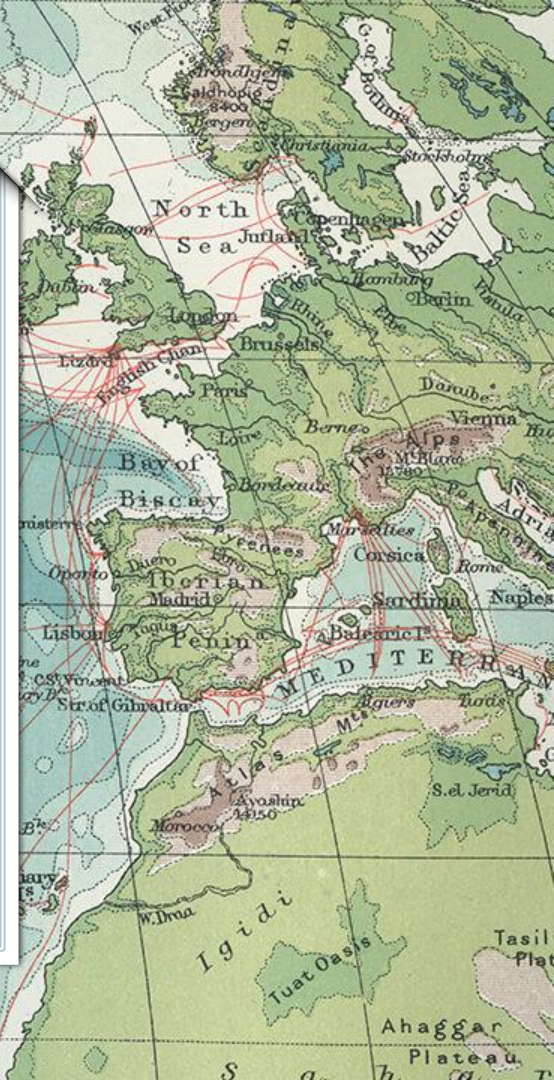


- LDA model
- 5 topics across summaries





# The Model





# Nearest Neighbor Model

## Metric: Euclidean distance



# The App

[www.triprecommender.online](http://www.triprecommender.online)



# TRIP ENVIRONMENT

Rate importance of traits from 0 (not important) to 10 (very important)



Forest/Mountain



3



Historical



7



Castles



8



Urban



2



Water



9

NEXT!



# PREVIOUS EXPERIENCE

*Move the slider right if you have been to the given location and you **LIKED** it. Move it to the left if you have been to the given location and **DISLIKED** it. Leave the slider in the middle if you haven't been to the location*



**Aarhus, Denmark**



Have been and liked



**Julian Alps, Slovenia**



Have not been



**Versailles, France**



Have been and liked

Photos Source: ricksteves.com

# YOUR RECOMMENDATIONS!

*Click on the picture for more information*

*Please give feedback on your recommendations. Give a thumbs up if you are interested in visiting and a thumbs down if you are not interested*



**Dordogne, France**



**Athens, Greece**



**Zagreb, Croatia**



Photos Source: ricksteves.com



## Evaluation



### Preliminary results:

- Interested in 67% of recommendations

## Next Steps



ALS model  
Expansion beyond Europe



# Kayli Leung

Any questions?

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