

The Battle of Neighborhoods

Week 1

Building a Recommendation Engine for Transfer Employees

Introduction/Business Problem

There are many multi-national organizations that often transfer employees from one city to another city for assignments that span longer than a year, according to its business needs. In some cases, the transfers occur between countries.

Transfer employees often reach out to their colleagues or friends, who live in the destination city, for advice regarding neighborhoods to move in to. Also, they spend significant amount of time doing online research.

To aid their search, we can build a recommendation system to help them identify similar neighborhoods to what they currently live in.

Assumption

- For this exercise, let's assume that a multi-national organization operates in the following cities
 - Frankfurt
 - New York
 - London
- This multi-national organization often transfers employees among one of the above mentioned cities.
- And transfer employees look for move-in neighborhood recommendations.

Input Data

- We'll essentially use the district or neighborhood data available in the below mentioned Wikipedia pages for Frankfurt, New York City, and London.
- <https://en.wikipedia.org/wiki/Frankfurt>
- https://cocl.us/new_york_dataset
- https://en.wikipedia.org/wiki/List_of_areas_of_London