Hotel Recommendation system

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Introduction

The Excel event center in London is a great venue for conventions and exhibitions, so it is important for visitors to find good hotels to stay in when visiting, in this report we will develop a simple rating score for hotels surrounding the Excel center based on user ratings, distance from the venue and the number of nearby restaurants.

Data description

All data used in this project is from the Foursequre API but in 3 steps:

1. First, we will use the search venue option to find hotels around the Excel center
2. We will use the Id for each hotel to find the rating of said hotel
3. We will use the coordinates of each hotel to search for nearby restaurants.

All data will be appended into one data frame that we will use to compute a single score for each hotel