Similar Neighborhoods in two Cities

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1- Introduction

1.1- Background

Moving from one city to another can be a very tedious and time-consuming task. On moving, people often tend to find it difficult to adjust to the new surroundings. They definitely prefer to find areas that are similar to their previous areas of residence. This can make it much easier for them to adapt to life in a new city. Also, they would not need to change their habits and lifestyle if they can manage to find similar neighborhoods. Hence, it could be very beneficial for people planning to move between cities to gain valuable information about the neighborhoods in the new city that are somewhat identical to their current city.

1.2- Business Problem

In this project, data related to the neighborhoods of the two cities of Adelaide, Australia and Melbourne, Australia will be

used. The aim of this project is to find the similar groups of neighborhoods in the two cities and cluster them based on their location data, i.e. data about the types of venues present in the vicinity of the neighborhood. If the common venues around a neighborhood are similar, then the neighborhoods are likely to be similar to each other.

1.3- Interest

The similarity of neighborhoods in different cities is of interest to people who have to move from one city to another (specifically, in this case, from Adelaide to Melbourne or vice-versa). It may also be useful for travel agencies and consultancies that advice people on the suitability of neighborhoods.