

# **Content-Based Neighborhood Recommendation System**

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## **1. Introduction**

### **1.1. Background**

Nowadays neighborhoods are an important factor that may raise or decrease the likelihood of a person/family to move to a specific place. Thus, a recommendation system that suggest neighborhoods based on their surrounding top venues can significantly reduce the scope of search for a new place to live and bring a satisfying new home. As satisfaction has been repeatedly linked to efficiency and prosperity, helping people to find suitable neighborhoods can help improve the city. Furthermore, overtime this may give valuable information of what venues drive customer satisfaction within a neighborhood.

### **1.2. Problem**

To build this recommendation system, location data pertaining the neighborhoods of a city and their most common surrounding venues will be needed. This project aims to recommend a neighborhood to a customer based on their levels of satisfaction with their previous neighborhoods.

### **1.3. Interest**

Real estate agents would be interested in the information this recommendation system will provide to narrow their search. Also, there is the possibility to develop an app with this type of system that could also be economically interesting.