

An Accommodation Recommendation System for Immigrants using Exploratory Data Analysis on Geolocation Data

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Abstract: *In recent years, there has been a noticeable surge in immigration. When these individuals arrive in the target nation, the majority of them are students who require long-term lodging. However, because he is new to the area and does not know many relevant locations, this creates a difficulty. Because of the increasing expansion of network information, individuals may find it challenging to access what they need in the enormous and big data environment using the online approach. People may locate what they want with the help of the recommendation system, which suggests prospective products of interest to them. It frequently makes advantage of existing associations between users and/or things to anticipate people's liking for certain items. The recommendation system is now attracting a lot of interest from the social network engineering and academic research communities. Therefore, this research article defines an effective methodology for Accommodation Recommendation through the use of K Nearest Neighbor Clustering along with Artificial Neural Networks and Decision Making. The experimental evaluation has been performed which has proved the superiority of the presented technique.*

Keywords: K Nearest Neighbors, Artificial Neural Networks, Decision Making, Recommender Systems

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