

**RESTAURANT RECOMMENDATION FOR GROUP OF  
USERS**

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## **ABSTRACT**

The problem of group restaurant recommendations is a common challenge in the field of recommender systems, as individuals in a group often have diverse preferences when it comes to dining out. While many studies have focused on individual-based recommendation systems, not much attention has been given to group recommender systems for restaurants that consider the preferences of all members in the group. Typically, restaurants are visited by groups of friends or family, but it's not uncommon for individuals in the group to have different preferences. As a result, it's important to consider group preferences rather than individual preferences when making restaurant recommendations.

To achieve this, the proposed approach utilizes content-based filtering and the Tf-idf Vectorizer algorithm to identify similar reviews and recommend restaurants based on cosine similarity. By analysing the reviews of restaurants and matching them with the preferences of all members in the group, the proposed approach aims to provide more personalized and accurate recommendations for group dining.