Abstract

The role E-marketing became important in everyday life. To help them to give correct products to human users, Recommender Systems have been evolved. It helps to find products related to user's interest. Mostly these systems employ collaborative filtering technique through which like minded users can be found. The key challenge is to attain quality in recommendations namely accuracy, diversity, novelty etc. Major algorithms have been focused on improving accuracy but diversity is important to have qualitative recommendations. On achieving diversity, distinct categories of items are taken for giving recommendations. Coverage is the main metric here. This paper gives one way to increase diversity by using LCM (Linear time Closed item set Miner) version 2 and I-Tree (Item-set tree). Data mining techniques are widely used in Recommender systems.

References


Takeaki Uno, Masashi Kiyomi, “LCM ver. 2: Efficient Mining Algorithms for Frequent/Closed/Maximal Item sets”;


Index Terms

Computer Science
Information Systems

Keywords

E-marketing Recommender System Collaborative Filtering diversity LCM
I-tree

Data mining