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, &quot;LCM ver. 2: Efficient Mining Algorithms for Frequent/Closed/Maximal Item sets&quot;.


- Gediminas Adomavicius, &quot;Improving Aggregate Recommendation Diversity Using Ranking-Based Techniques&quot;, IEEE Transactions on Knowledge and Data Engineering, vol 24, No 5, May 2012.

Index Terms

Computer Science  Information Systems

Keywords

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