Book Recommendation System using Machine learning and Collaborative Filtering

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Abstract: *Nowadays the amount of information available on the internet has got a severe raise recently and people need some instruments to find and access appropriate information. One of such tool is called recommendation. Recommendation systems help to navigate quickly and receive the necessary information. Recommendation system are effective software technique to overcome the problem. Recommendation system can be used in various places one of them is Library. So, in this paper we are going to propose a Book Recommendation System using Collaborative filtering (CF)and Content Based Algorithm to recommend the books to the user according to their likes and information of the books ie. Ratings given by the existing users. The proposed system will give its users the ability to view and search the book, publications and genres category wise using the Support Vector Machine (SVM). SVM will list the most top-rated books based on the subject name given as input and give the ratings. It will also make sure user's privacy to be maintained.*

Keywords: Collaborative Filtering, Content based Filtering, Cosine Similarity, Book Recommendation

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