

Chapter 13 Recommender System on Books: A Hybrid Approach

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Abstract

Now-a-day recommender systems have been more than a decade. Selecting which book to read next has always been a question for almost all the readers. Even for students, deciding which textbook or reference book to read on a topic unknown to them is a big question mark. Here, we are trying to propose a hybrid prototype for a book recommender system which exploits varied aspects of giving recommendations apart from the regular collaborative filtering techniques. The recommendations for the temporal aspects are incorporated here for the better result. Also for users of different age, gender and country, personalized recommendations can be made on these demographic attributes. Here the information is scraping from the web and using the information obtained from the web scraping can be equally utilized in creating recommendations.

Keywords: Recommender system, Collaborative filtering, Content filtering, Demographic filtering.

1. INTRODUCTION

Recommendation systems were evolved as intelligent algorithms, which can generate results in the form of recommendations to users. They reduce the overhead associated with making best choices among the plenty. Now, Recommender systems can be implemented in any domain from E-commerce to network security in the form of personalized services. They provide benefit to both the consumer and the manufacturer, by suggesting items to consumers, which can't be demanded until the