

BOOK RECOMMENDATION SYSTEM

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INTRODUCTION

Nowadays users deal with a huge amount of data, the aim of book recommendation system is to help the user in his decision-making process, driving his focus on books that fits his needs. Recommendation systems are models capable of suggesting personalized items to user.

It handles the problem of overload of information that users find, by providing them personalized and targeted contents.

Recommender systems research has widely incorporated a variety of artificial intelligence techniques. They can be defined as a specific type of information filtering technique that seeks to predict the "rating" or "preference level" a user would give to an item.

MOTIVATION

- Book recommendation system will help readers select the right book for them.

PROBLEM STATEMENT

How to get a set of books relevant to a user based on the historical data of other users.

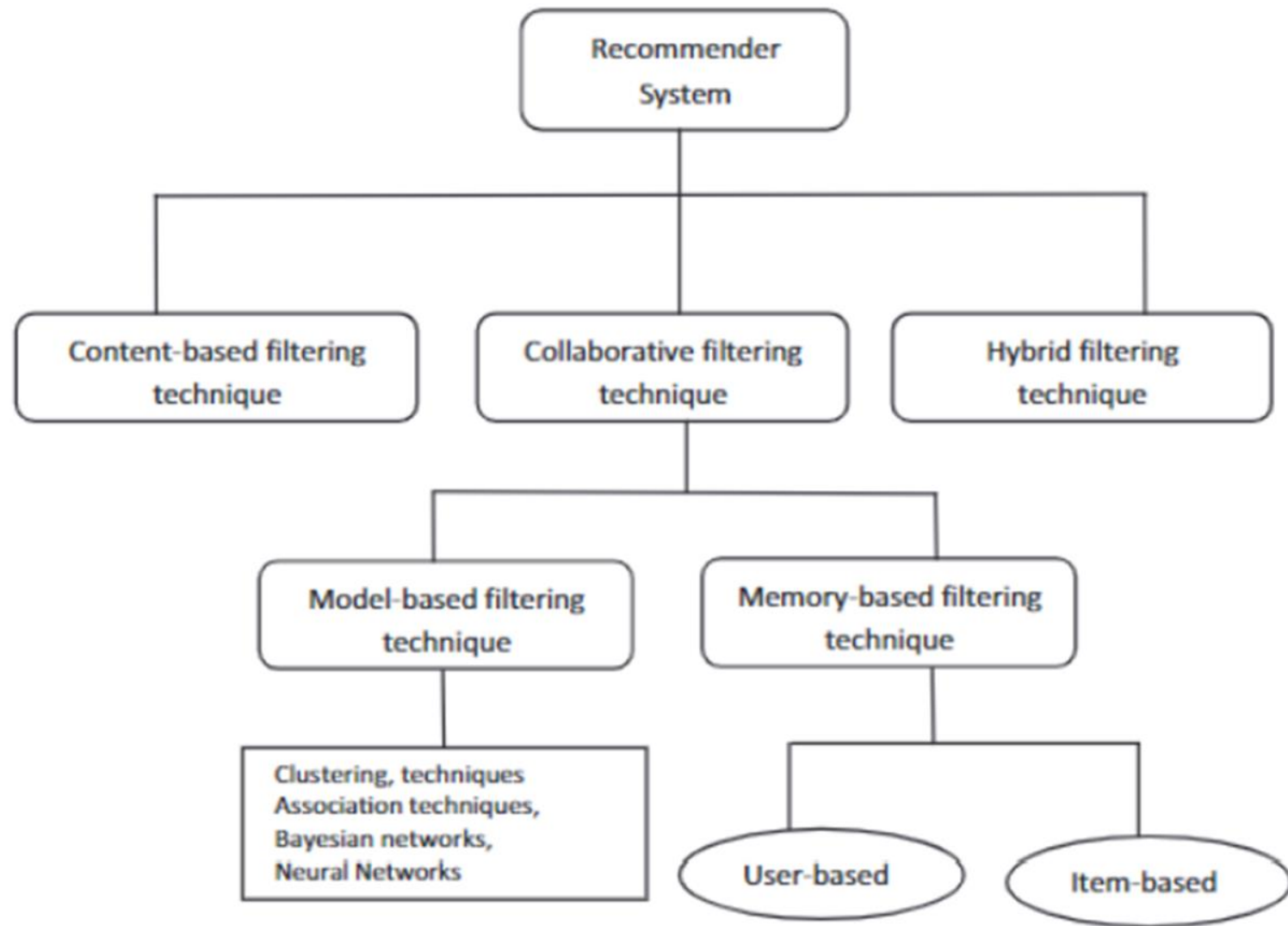
LITERATURE REVIEW


The background of the image is a blurred photograph of a study desk. In the foreground, an open book with yellowed pages is visible. Behind it, a pen lies on the desk. To the left, there is a cup, possibly containing coffee. The overall scene suggests a quiet, focused environment for reading and writing.

REQUIRED DATA

User data- this includes user id, name, user preferences, reading history, ratings , reviews.

Book data- information about books like authors of books, publication dates, language of books, book id etc.

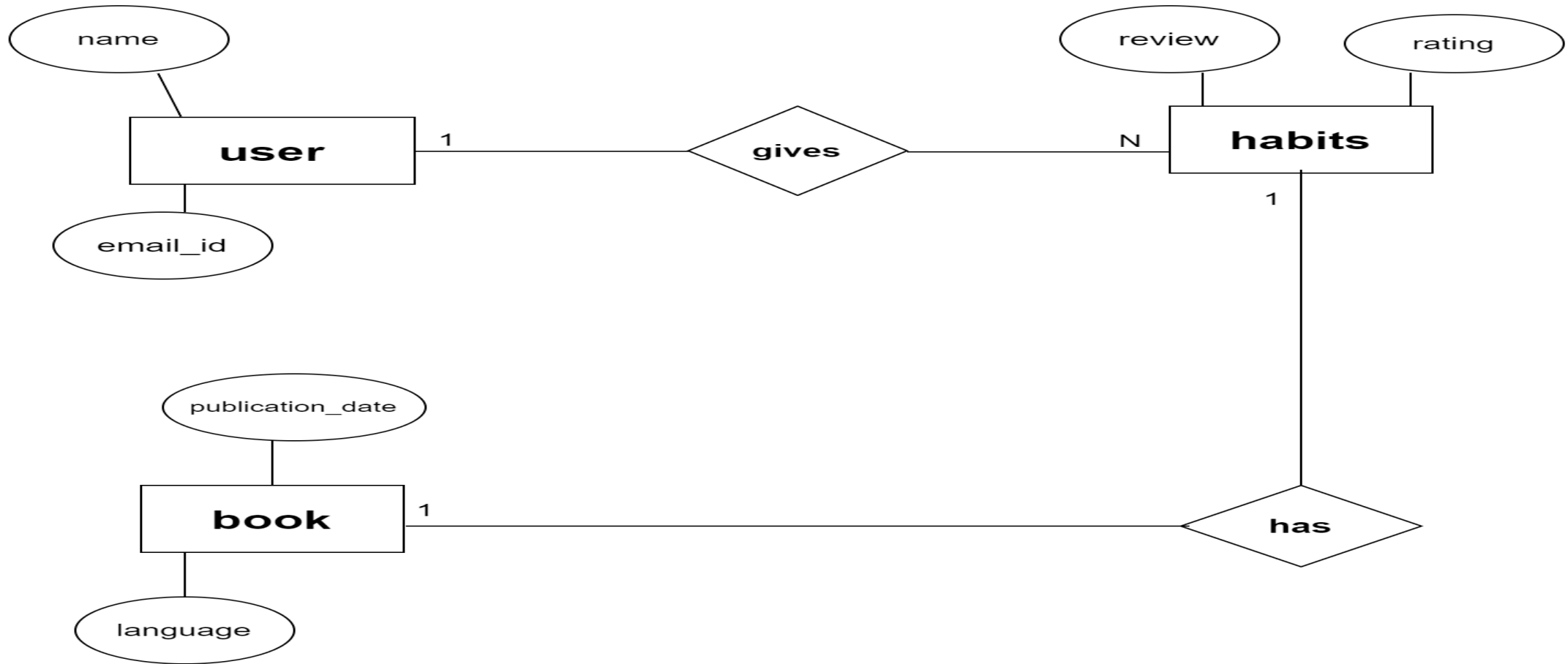




For building this systems, distinct approaches have been developed. They can be collaborative filtering, content-based filtering or hybrid filtering.

Collaborative filtering recommends items by identifying other users with Related work similar tastes. On the other hand, Content-based filtering recommends elements that are similar in content to products that user appreciated in the past or matched to user attributes. The hybrid method, as said the name, combines both collaborative and content based techniques in order to reduce and overcome some limitations of this approaches

ENTITY RELATIONSHIP DIAGRAM





THANK YOU