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# **Collaborative Filtering With Apache Mahout Researchgate**

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## **Collaborative Filtering With Apache Mahout**

Apache Mahout [1] is an Apache-licensed, open source library for scalable machine learning. It is well known for algorithm implementations that run in parallel on a cluster of machines using the MapReduce [2] paradigm. Besides

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that, Mahout offers one of the most mature and widely used frameworks for non-distributed Collaborative Filtering.

We

## **Collaborative Filtering with Apache Mahout**

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## **(PDF) Collaborative Filtering with Apache Mahout**

The need for machine-learning techniques like clustering, collaborative filtering, and categorization has never

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been greater, be it for finding commonalities among large groups of people or automatically tagging large volumes of Web content. The Apache Mahout project aims to make building intelligent applications easier and faster.

**Introducing Apache Mahout - IBM**  
Collaborative Filtering in Mahout is a

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technique which gives two types of recommendations, such as user-based recommendations and item based recommendations. Following are the contents explained in...

## **Collaborative Filtering Framework | Apache Mahout | Edureka**

Introduction to Collaborative Filtering

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with Apache Mahout. 1. An Introduction  
to Collaborative Filtering with Apache  
Mahout Sebastian Schelter  
Recommender Systems Challenge at  
ACM RecSys 2012 Database Systems  
and Information Management Group  
(DIMA) Technische Universität  
Berlin 13.09.2012 <http://www.dima.tu-berlin.de/> DIMA - TU Berlin ...

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## **Introduction to Collaborative Filtering with Apache Mahout**

Apache Mahout is an open source machine learning library developed by apache community. Mahout supports a wide range of machine learning application such as clustering, classification, dimension reduction, and

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collaborative filtering. Apache Mahout is completely free for use and download. Check it out here

## **User based collaborative filtering with apache mahout ...**

Mahout offers two Map/Reduce jobs aimed to support Itembased Collaborative Filtering. [org.apache.mahout](http://org.apache.mahout)

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ut.cf.taste.hadoop.similarity.item.ItemSimilarityJob computes all similar items.

## **Apache Mahout: Scalable machine learning and data mining**

How can I use SVD algorithm in Mahout for producing recommendations on explicit binary data-set (e.g. a user purchased or not but no specific ratings)

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in an e-commerce domain? Also what algorithms ...

## **mahout - Collaborative filtering - Stack Overflow**

A Mahout-based collaborative filtering engine takes users' preferences for items ("tastes") and returns estimated preferences for other items. For

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example, a site that sells books or CDs could easily use Mahout to figure out, from past purchase data, which CDs a customer might be interested in listening to.

## **Recommender Documentation - Apache Mahout**

Mahout Math-Scala Core Library and

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Scala DSL Mahout Distributed BLAS.  
Distributed Row Matrix API with R and  
Matlab like operators. Distributed ALS,  
SPCA, SSVD, thin-QR. Similarity Analysis.  
x: x: x Mahout Interactive Shell  
Interactive REPL shell for Spark  
optimized Mahout DSL x Collaborative  
Filtering with CLI drivers User-Based  
Collaborative ...

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## **Algorithms - Apache Mahout**

Apache Mahout Scalable algorithms focused on collaborative filtering, clustering and classification.

## **Apache Mahout Alternatives - Java Machine Learning | LibHunt**

Collaborative filtering with Apache

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Mahout - Hadoop Real-World Solutions Cookbook Collaborative filtering is a technique that can be used to discover relationships between people and items (for example, books and music).

## **Collaborative filtering with Apache Mahout - Hadoop Real ...**

Now, with Hadoop and Mahout, data

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scientists can write MapReduce jobs that reference a number of predefined algorithms to build these kinds of applications easily. Below is a current list of machine learning algorithms exposed by Mahout. Collaborative Filtering. Item-based Collaborative Filtering; Matrix Factorization with Alternating Least Squares

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## **Apache Mahout | MapR**

Apache Mahout is a project of the Apache Software Foundation which is implemented on top of Apache Hadoop and uses the MapReduce paradigm. It is also used to create implementations of scalable and distributed machine learning algorithms that are focused in

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the areas of clustering, collaborative filtering and classification.

## **What is Apache Mahout? - Definition from Techopedia**

While Mahout's core algorithms for clustering, classification and batch based collaborative filtering are implemented on top of Apache Hadoop

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using the map/reduce paradigm, it does not restrict contributions to Hadoop-based implementations. Contributions that run on a single node or on a non-Hadoop cluster are also welcomed.

## **Apache Mahout - Wikipedia**

This paper focuses on comparing the various similarity measurement

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algorithms and classification accuracy metrics on Hadoop and non-Hadoop environment using Apache Mahout and item-based collaborative filtering. The whole work is done on the MovieLens dataset.

## **Performance Analysis of Various Recommendation Algorithms ...**

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features Pure C# recommendation engine: port of Apache Mahout "Taste" Recommendation/ Collaborative filtering Framework with dependencies (about 800kb of code) and unit test (283 original tests are passed). Does not depend on 3rd party libraries or native applications.

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## **NReco.Recommender: Recommendation Engine for C#/.NET**

Use sample movie ratings data from <http://grouplens.org/datasets/movielens/>. Use a collaborative filtering algorithm from Apache Mahout to build and train a machine learning model. Use the search technology from Elasticsearch to

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simplify deployment of the recommender.

## **Recommender System with Mahout and Elasticsearch | MapR**

recommendationRaccoon - A collaborative filtering based recommendation engine and NPM module built on top of Node

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#opensource

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