

Abstract

Item-based and User-based collaborative filtering

Item-based and User-based collaborative filtering algorithms are used in every recommend system. The recommend system find out similar user or item you maybe interested in and recommend it to you.Both of them will build a data matrix for the original data to calculate the similarity between each items or users.Then according to the similarity value to find out similar user or item.Among all the result the system find.The algorithm use k-neighborhood or threshold to select the most similar things to recommend.At last , you can use the precision and recall to evaluate your result to determine if we want to use the result or to change the algorithm to find a better result.