Abstract

Matriks Factorization is one of many method in Recommendation System which used to create a prediction model. Regularized Matriks Factorization is the extended method that could give recommendation with high quality accuracy of model. But, these Matriks Factorization technique mostly have a performance problem on it's System. This problem is caused by the Learning process at this method need a sum of time. Matriks Factorization with Online Model could help this problem to be vanished, with this model, the time which needed for Learning could be reduced if compared with the Offline Model. This Research have a focus in analyzing and to implement the Online Model of Regularized Matriks Factorization at Film Recommender System. The result which obtained are Online Updating RKMF could beat the full – retrain RKMF in quality of rating prediction with difference of RMSE value is 1.5% with a short time prediction.

Keyword : ***Matriks factorization, Online Updating, recommender performance***