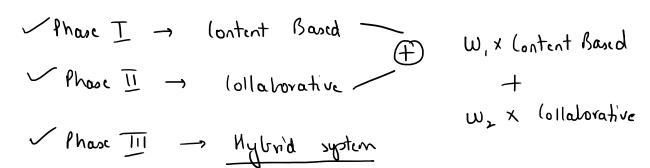
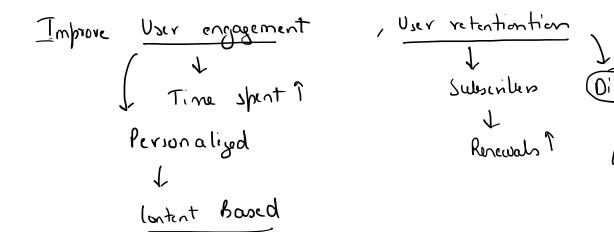
Hybrid Recommender





Mybrid Recommender system -> Improvements

Deployment

- 1 Vectorize / Transform > sparse matrin

 (intent Based
- 2) Interation matrix -> 60 MB -> spane matrix

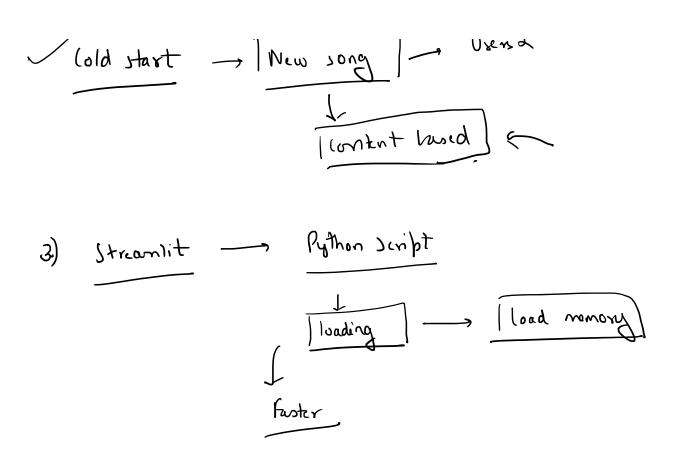
3 SOK - Playrount 130 mB

30K = SOK Subset

Content Based

Transform

Transform



labelled data.

accuracy (y-true, y-pred)

Precision and Recall

Previon @ K Recall @ K

[Item 2] Item 3 Item 5]

[Item 2] Item 4 Item 5]

[Item 2] Item 4 Item 5]

[Itum 1 Item 2 Item 4] Pricion@3 = 2

Precision - Accuracy of Recommendations.

_ 3 Recommendation → Relevont quality

Precision @ 3 = No. of relevant Recommon

10 Relevant Recommendation

Recommended

Collaborative Lilkning

SUD factorization

Ver his tory

track id Uxvid Playrount

latent features - s hidden features about our tracks

A = U & UT | Latert features

trackid latent features

diagonal matrix most imp

relevance

Sparse Playrount - Predict

Vier A Play -> Sort

top K reconnected times.

Regression -> [MAE, MIE, RMSE]

Improve Our model -> Good Recommendations

Boosting -> X8Boost, ligh hBM

(ollaborative filtering

Surprise, Recsyss