

UE Learning from User-generated Data S2022 Session 6: MRS Challenge Sync

Agenda

- Intermediate Results
- Questions
- Ideas

Intermediate results

- Going to be published regularly on moodle
- Current state:

participant	ndcg
TopPop	0.038
kXXXXXXXXX	0.001

Questions so far?

Ideas

1. POP + demographic filtering

Assumption:

- Users with similar demographics (age, country, gender) have similar tastes;

2. ItemKNN

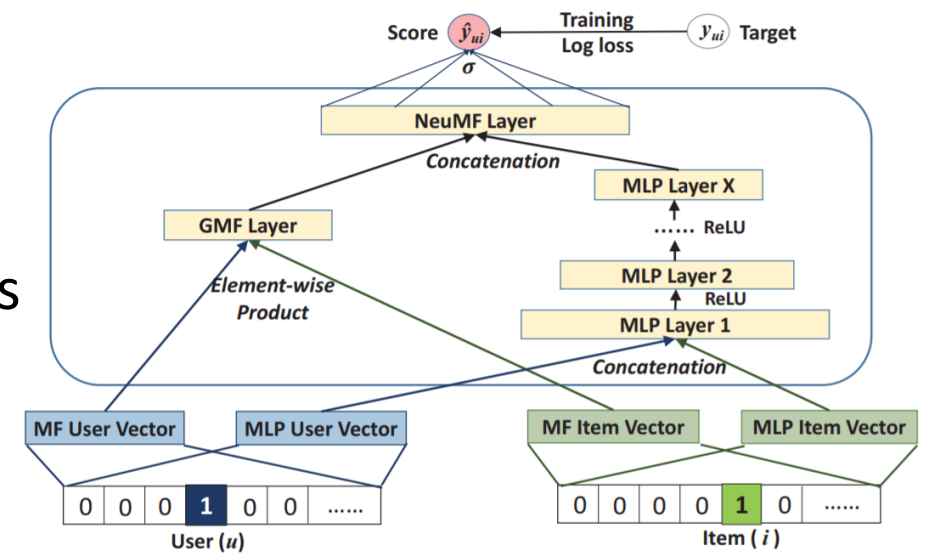
- Solid choice for LFM-2b
- Requires optimization

3. POP + filtering by preference

- Use more sophisticated ways to cluster users

4. Explore Neural Matrix Factorization

5. ...



Important Notes

- Tune your hyper-parameters!
- Use multiple data samples!
- Compare your implementations to baselines!

Submission – Two files

- **rec_<matr.num.>_<name>.tsv** – the file with your recommendations, where each line corresponds to one target user:

<user_id>\t<item_id>,<item_id>,...

15 not seen items for each user (no spaces between), example:

rec_k00000007_Bond_James.tsv	
0	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14
7	15,1,2,3,4,5,6,7,8,9,10,11,12,13,14
9	4,15,1,2,3,5,6,7,8,9,10,11,12,13,0
...	

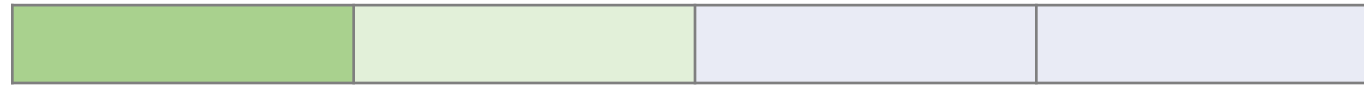
- **report_<matr.num.>_<name>.txt** – text file describing your approach to the recommendation part of the task: algorithms used, training settings, ... No more than ½ A4; Specify your name and matr. number within as well.

Evaluation

- The results will be judged by **overall nDCG** performance
- Additional points will be awarded for fairness of the recommendation
- Works outperforming demographic POP recommender will get score of 0.5 out of 1
- Further points will be awarded based on the gap between the solution and POP recommender. Better performance -> More points

Timing

- Challenge publication: 11.05.22



- Deadline: 14.06.2021

Thank you!