Final Project

-- Choose what you like

Type of Task

- Programming
  - Competitions
  - Self-defined Recommendation Tasks
- Research
  - Do some research in recommender system field
- Survey
  - Review a subfield of recommender system

Competitions

- Tasks
  - SIGIR eCom'21– Coveo Data Challenge
    - Session Recommendation
    - https://sigir-ecom.github.io/data-task.html
  - MIND
    - News Recommendation
    - https://msnews.github.io/

SIGIR eCom' 21

- Problems (two sub-tasks)
  - **a recommendation task**, where a model is shown k events at the start of a session, and it is asked to predict future product interactions in the same session;
  - **an intent prediction task**, where a model is shown a session containing an add-to-cart event, and it is asked to predict whether the item will be bought before the end of the session.

Leaderboards (Stage 1)

Next Item Prediction

Position	Nickname	Score (MRR)	Timestamp (UTC)
1	eggie5	0.169853537423224	2021-04-28 01:33:58.986311
2	louis	0.141207920807325	2021-05-04 17:16:26.33987
3	ECNU_DM	0.121549208305958	2021-05-07 07:57:39.507115
4	learner	0.113309491523042	2021-05-01 11:02:27.474228

MIND

- Problem
  - MIcrosoft News Dataset (MIND) is a large-scale dataset for news recommendation research. It was collected from anonymized behavior logs of Microsoft News website. The mission of MIND is to serve as a benchmark dataset for news recommendation and facilitate the research in news recommendation and recommender systems area.

Leaderboard

Rank	Team	AUC	MRR	nDCG@5	nDCG@10
1 MAR. 04, 2021	UniUM	0.7243	0.3706	0.4101	0.4644
2 FEB. 27, 2021	chenghuige	0.7209	0.3676	0.4040	0.4597
3 FEB. 26, 2021	UNBERT	0.7207	0.3677	0.4041	0.4602

Self-defined Tasks

- Define your recommendation tasks
  - You might find some interesting problems or have some valuable datasets
- Before starting
  - Submit your task definition
  - Describe your data
  - Noting: if you want to go along this way, please contact us first

Research

- Have some novel ideas in recommender systems
- Before starting
  - Describe your ideas
  - Submit your task definition
  - Noting: if you want to go along this way, please contact us first

Survey

- Find a subfield of recommendation for survey
  - E.g., sequential recommendation, review-based rating prediction, conversational recommendation, fairness in recommendation, bias in recommendation
- Requirements
  - The counts of read papers, >=10 (per person)
  - Summarizing these paper and giving a detailed report
  - Noting : do not copy the existing surveys! Use your own thoughts

About Groups

- 人数
  - 竞赛任务：建议 =3 人
  - 自定义任务：建议 <=3 人
  - 研究：建议 <=2 人
  - 论文调研：建议 =2 人
- 报名
  - 5月16日之前（含当日）将组队信息以及任务提交给助教。

About Project Scores

- 考核组成
  - 汇报+报告+代码（如有）
  - 汇报方式与时间
    - 汇报时间：暂定
      - ~~6月14日（16周周一）~~ 端午放假
      - 选项1：6月16日（16周周三，会议室+线上，16:15后）
      - 选项2：6月21日（17周周一，教室，上课时间）
  - 内容要求
    - 报告：数据分析、方法介绍、代码描述、结果呈现
    - 调研：论文内容与方法介绍，技术发展主线与脉络，论文之间关系