

HW3
AIPI 531 F23
Deadline: 11/16/2023

Objectives:

1. Train different session (contextual, sequential) based product recommendation recommenders for E-commerce use cases and compare the performances of the recommenders.
2. Include item and/or user features as side information for cold items/users.

Requirements:

Include item features as side information for cold items with the DRL recommenders mentioned in <https://arxiv.org/abs/2111.03474> [DRL2]

Include a performance comparison between the recommenders with and without item features.

Deliverable/submission:

A link to your notebook. In the notebook, we should be able to find the link to your GitHub repo.

Datasets:

1. Retailrocket, <https://www.kaggle.com/datasets/retailrocket/ecommerce-dataset>

Deep RL models:

(the locations of the source code can be found in the papers):

1. <https://arxiv.org/abs/2111.03474> [DRL2]

Troubleshooting:

Please contact TA if you have any questions or issues installing the packages. You need to do the work, but TA may help you resolve the packages' installation issues.