

CS-4053 | Recommender System | Fall 2023

National University of Computer and Emerging Sciences

Activity: Neural Recommendation

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Student ID:

Instruction: Find the complete lab of Neural Recommendation in the course folder on Google Drive (*/sample code*).

Challenge 1: Observe that during test time, the number of labels predicted as 1 for test samples outnumber the rating 0. Why do you think it happened? Are there any ways to deal with this imbalance?

Challenge 2: What happens if I remove `random_state=42` while making train test split?

Challenge 3: Can you try to modify the code such that the model is trained on features of all the users?

Answers: