

CS-4053 Recommender System

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Lecture 12: Evaluation Metrics for Recommender Systems

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Evaluation Measures

❑ **P@k** (Precision@k)

- ❑ *Of the top k relevant items that were recommended, the no. of items that are actually relevant to the user*

❑ **AP@k** (Average Precision@k)

- ❑ *For a single user, the mean of **Precision@i** for $i=1, 2, 3, \dots, k$*

❑ **MAP@k** (Mean Average Precision@k)

- ❑ *The mean of **AP@k** over all users*