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School of Informatics



Informatics Project Proposal
Recommender Systems: looking further into the future

S2406121
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Abstract

Recommender systems are widely used technique which helps to generate a recommendation list to users based on their previous behaviours. Compared with traditional popular-based recommenders, recent recommender systems pay more attention to providing more personalised user experience to increase user satisfaction. However, the widely used prediction method for recommender systems is based on the next-item prediction, which solely focuses on the next single action of the user, and may not fully capture a user's overall preferences. In this project, we introduce the multi-day window predictor to the recommender system that aims to predict all items that the user may be interested in within a time window. In theory, this novel architecture could lead to better recommendation results, reduce the cost of deployments, and be more robust against short-term variations.

Date: Saturday 22nd April, 2023

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