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Conditions of an appropriate dataset for movie conversational recommender: The users' point of view

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Abstract

Current models of the Conversational Recommender System (CRS) tend to suggest only one item at each turn, which may increase the length of the conversation and lead to user impatience. To overcome this limitation, we conducted a questionnaire with 798 participants in order to assess user preferences for multi-item recommendations within a conversational turn in the movie recommendation domain. The results of the questionnaire clearly show that users have a strong preference for multi-item recommendations within each turn, especially when the interaction is with experts. We also discuss that the datasets from existing CRS may not be adequate to train models to meet users' expectations for multi-item recommendations. This shows it is important that have a dataset that better aligns CRS models with real-world preferences. This work forms the foundation upon which further work on developing datasets of multi-item recommendations will be delivered for better conversational recommender systems.

Keywords: Conversational recommender systems, multi-item recommendations, user preferences, CRS datasets, movie recommendation, and personalized recommendations.

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