



Recommendation, Information Retrieval, and Exploratory Search

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Message from the Guest Editor

Recommendation, information retrieval, and exploratory search are prominent, interrelated tasks in intelligent information access.

Recommender systems perform information filtering and predict ratings or preferences of users. Information retrieval, in turn, aims at retrieving and ranking content. Lastly, exploratory search can be seen as an information retrieval setting, so that the specific search intent may evolve as the task goes on.

For each of these general tasks, several models of content, including language models and content models, scoring methods, interaction paradigms and interfaces, and evaluation methodologies, have been designed. These are based on a variety of statistical and machine learning approaches, as well as several approaches from information visualization, visual analytics and human–technology interaction for interactive systems. In this Special Issue, we are seeking articles that represent the state of the art and novel approaches in these different tasks. We are especially interested in articles in the intersection of these tasks: targeting a combination of their settings and learning goals, or bridging methodological approaches across the tasks.

