Towards a More Generative Model of Query Recommendation

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Abstract

Loosely stated, the goal of query recommendation is to recommend queries that obtain desired information from a search engine, based on the searcher's intentions. Yet largely overlooked are direct solutions to the following problems: 1) Recommending "information" and 2) Discovering a searcher's "intentions". We show how previous solutions in query recommendation and intention modeling fall short. We outline our work towards a more general query recommender, taking a generative approach that contrasts with discriminative approaches. We draw relationships between query logs and intentions and argue for unified recommendation approach incorporating a context of intentions and a context of information.

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