Towards a More Generative Model of Query Recommendation

Matthew Mitsui
Dept. of Computer Science

9/26/2016 at 03:30 pm
CoRE B (305)

Abstract

Loosely stated, the goal of query recommendation is to recommend queries that obtain desired information from a search engine, based on the searchers 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.