Modèle de recherche d'information interactif pour des systèmes conversationnels

Mots clés :
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Résumé du projet de recherche (Langue 1)

Until now in a traditional information retrieval (IR) research setting, the user’s information need is represented by a set of keywords and the returned documents are mainly determined by their inclusion of these keywords. The PhD envisions a novel paradigm in IR in which the user can interact with the search engine in natural language through the intermediary of a conversational system. We refer to this as search-oriented conversational systems. There are several important challenges underlying this novel paradigm, which we will address in this PhD: 1) understanding the user’s information need by leveraging both interactions in natural language and users' implicit feedback; 2) designing a proactive system that anticipates users' actions and users' search intent by directly soliciting the user; and, 3) evaluating this novel paradigm by designing new theoretical and practical evaluation frameworks for search-oriented conversational systems and building adapted large-scale datasets that would enable the proposed models to be learned and evaluated.