

Discussion

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Open challenges

- How to best use graph structure, e.g, exploiting both typed and untyped relations?
- Query-biased information extraction to take into account an information need?
- Federated search and KGs: how to represent verticals, merge information, etc.
- How to utilize the coarse-to-fine information found in the KG, ranging from categories, through entities, to typed relations?
- Explainability: how did the system arrive at a ranking using KGs?
- Multi-lingual documents, queries, KGs
- KGs are not static things: how do you decide the KG does not contain the “required” information? Does it not exist or is the representation inaccurate/insufficient/...?
- Moving beyond an “ad hoc” retrieval setting: how to represent users, tasks, and context?

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exploiting both typed and untyped relations?

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verticals, merge information, etc.

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how to represent users, tasks, and context?

Utilizing Knowledge Bases in Text-centric Information Retrieval?

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