University of Freiburg
Databases and Information Systems Group
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Position as Student Assistant (HiWi) for Analyzing and Automatically Recommending Scientific Publications
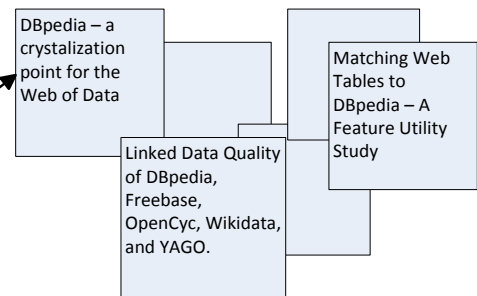
What is the topic?

Due to the increase in scientific publications, researchers more and more face the challenge to know all relevant publications for their works and to cite corresponding publications. In this project, we analyze scientific publications and build a system for automatically recommending scientific publications for researchers. This is performed by using tools and techniques from computer science areas such as computational linguistics/natural language processing, machine learning, Information retrieval, and bibliometrics.

Visualization of citation recommendation task:

citation context

Performance Prediction for Graph Queries

... a query posed on a knowledge graph DBpedia [?] that finds ...

DBpedia – a crystalization point for the Web of Data

Linked Data Quality of DBpedia, Freebase, OpenCyc, Wikidata, and YAGO.

Matching Web Tables to DBpedia – A Feature Utility Study

What prerequisites do you need?

- You have fun with working with data, using methods and techniques from text mining, data analysis, knowledge discovery, etc.
- You are interested in state-of-the-art research on knowledge discovery/text mining/etc.
- You have at least basic programming skills (Java or Python).

What do we offer for you?

- A contract with 40-80h per month. The salary is about 11€/h (depending on the university degree). The contract can last between 3 and 9 months.
- Flexible working hours, also working at home possible.
- A variety of tasks so that the student can learn a lot. Also state-of-the-art research can be performed and will be published together with the student.
- If the student likes the work, it can be extended in the form of a Master thesis (Hiwi position also in parallel possible).

Starting date: As soon as possible.

Please send your questions and application
(with a short CV and a transcript of records) to:
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