



Topic for Bachelor's / Master's Thesis

In the department of computer science / research group of database and information systems, we offer the following topic for a bachelor's / master's thesis:

Personal Edit Suggestions for Crowdsourced Knowledge Bases

Motivation

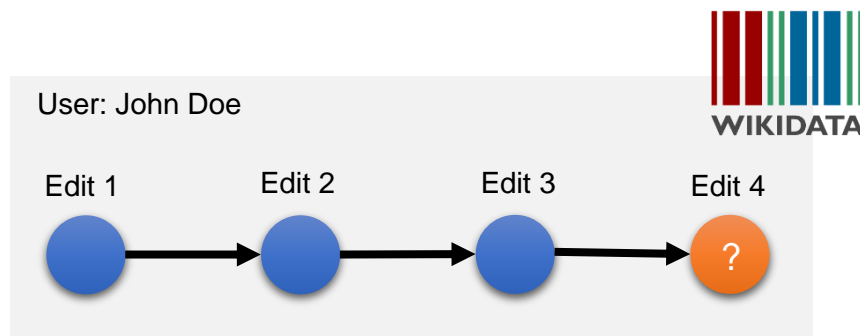
Today's knowledge bases such as Wikidata are incomplete. For example, for many entities of people, there is no date of birth specified, for entities related to geographic locations, there is no super type specified, or for football players, the FIFA Player ID is missing. Furthermore, in a pilot study, we made the observation that many volunteers editing the knowledge base Wikidata like to specialize on certain topics and properties to edit. The goal of this thesis is to develop an approach to make personalized suggestions to volunteers what to edit next. These suggestions should be based on the users personal edit history.

Description of the Task

- Identify missing data in Wikidata via an existing tool
- Develop an approach that makes personalized edit suggestions to volunteers based on their edit history (more sophisticated approach for master's thesis than for bachelor's thesis)
- Implement your approach in a prototype
- Evaluate the quality of your edit suggestions (possibly in a crowdsourcing experiment)

Prerequisites

- Interest in exploratory data analysis and recommender systems



Contact

Stefan Heindorf
E-Mail: heindorf@uni-paderborn.de
Office: ZM1.03-07
Phone: (+49) (0)5251 5465-207