Probabilistic Knowledge Base assisted Question Answering

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ABSTRACT

Abstract

1. INTRODUCTION

Describe Motivation of the the KHop system.
Give example scenario.
Describe the Khop system.

2. SYSTEM OVERVIEW

This demonstration describes a question answering systems designed around a probabilistic knowledge base. In this section, describe each component of the knowledge base system. We begin with the interface, we describe each of the different methods the users has to interact with with the backend knoweldge base. We then describe the Logic layer that does translation and of user actions to the back end actions. It also allows the user to see the current current status of the system. We also describe the probabilistic knowledge base driving the system. We describe its schema and the integrated functions.

2.1 Interface

2.1.0.1 Natural Language Interface.

Describe the purpose tranlation of natual language questions queries. Add the auto complete for previous questions.

2.1.0.2 Fact Search.

Describe how facts are searched using the database. Describe how results are ranked. Describe how new results are discovered.

2.1.0.3 Graph Exploring.

Describe D3 visualization of graph and rule display Describe user interaction with graph Describe user selecting facts Describe users removing facts

2.2 Logic

Describe the translation of NL-¿queries using templates (quepy) and also sempre. Describe how rankings are computed from queries.

2.3 Knowledge Base

Desscribe the PostgreSQL database and the other serices running on servers. Describe the tables Describe the functions that are called Describe the parallelism

3. RELATED WORK

Describe incremental KB from Chris Re
Describe Google Knowledge Vault

4. DEMONSTRATION

Describe the demo setup.
Describe how users will be able to alter parameters.

5. ACKNOWLEDGMENTS

6. REFERENCES