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Sharing, connecting, analysing, and understanding data on the Web can provide better services to citizens, communities, and the industry. One way to achieve this is through data-driven question answering, by delivering precise and comprehensive answers to natural language questions, primarily by making better use of the knowledge encoded in the Web of Data. The aim of the WDAqua project is to advance the state of the art in this field by interleaving training, research, and innovation.

- It provides a training programme for young data scientists.
- It addresses challenges related to the whole question answering pipeline.
- It develops an open source framework and ecosystem for question answering components.

**OVERVIEW**

**CHALLENGES**

- Answer questions expressed in different formats
- Exploit knowledge encoded in the Web of Data to enhance question answering
- Scale question answering to the size and dynamicity of the Web
- Provide comprehensible answers for questions and justifications for these answers
- Consider trust and provenance, as well as data access control during question answering
- Discover high-quality datasets suitable for question answering, including cross-lingual, cross-border, and cross-domain settings
- Enable users to easily ask questions and find answers

**TOPICS**

**AI and NLP approaches for QA**
- Spoken question recognition and interpretation
- AI techniques for NLP
- Knowledge-driven techniques for NLP

**Human-data interaction**
- Interactive interlingual QA
- UIs for QA systems

**Dataset discovery**
- Collaborative knowledge bases
- Trust and provenance of Linked Data
- Quality driven dataset discovery and retrieval

**Core QA Architecture**
- Integration and cleaning of Linked Data for QA
- Query processing techniques for the Web of Data
- Benchmarking data management techniques

**Data management**
- Integration and cleaning of Linked Data for QA
- Query processing techniques for the Web of Data
- Benchmarking data management techniques