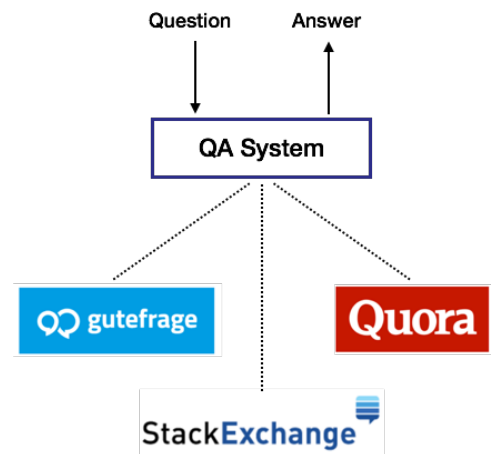




## Non-Factoid Question Answering

### Description

Automatic Question Answering (QA) is a broad research area with the ultimate goal of finding useful answers for arbitrary questions. An important challenge in QA is finding answers for complicated questions that require expert knowledge, past experience, or opinions. Even though knowledge graphs contain huge amounts of factual information, they cannot be used to answer such complicated questions. We therefore explore innovative approaches to search for relevant, complex, and unstructured information within the large number of discussions in community Question Answering platforms such as StackExchange and Quora.



### Possible Tasks

- Extend state-of-the-art question retrieval approaches for unsupervised learning
- Compare and evaluate answer selection approaches in different domains
- Develop and compare novel methods for multilingual search

### References

- A. Rüclé and I. Gurevych. 2017. Representation Learning for Answer Selection with LSTM-Based Importance Weighting. Proceedings of the 12th International Conference on Computational Semantics (IWCS 2017).
- T. Lei, J. Hrishikesh, R. Barzilay, T. Jaakola, K. Tymoshenko, A. Moschitti and L. Marquez. 2016. Semi-Supervised Question Retrieval with Gated Convolutions. Proceedings of the 2016 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2016), pages 1279-1289.

### Contact

Analysis



Literature



Programming



Prof. Dr. Iryna Gurevych

Andreas Rüclé

[thesis@ukp.informatik.tu-darmstadt.de](mailto:thesis@ukp.informatik.tu-darmstadt.de)