



An Annotation-based Tool for Fact Verification

Motivation

Annotation technology has been prevalent for quite some time, especially in the context of corpus creation and social reading. Our goal is to extend this technology with natural language processing capacity for fact verification. We will build on top of an existing open source annotation tool called *hypothesis*.

Our goal is to extend the basic hypothesis tool with a stable and responsive back-end service. This service will allow us to capture a user-selected text span in place and provide an assessment regarding its face veracity.



Task Description

- Implementation of a simple input component on top of hypothesis annotation pipeline
- Realization of an NLP infrastructure back-end (utilizing existing state of the art algorithms) which takes the input claim and predicts input veracity with appropriate supporting evidence.
- The predicted evidence will be displayed in front-end of the tool.

References

- [1] Base Tool: <https://web.hypothes.is/>
[2] Reference project: <http://extmon.centralus.cloudapp.azure.com:8501/>
[3] Hanselowski, Andreas, Hao Zhang, Zile Li, Daniil Sorokin, Benjamin Schiller, Claudia Schulz, and Iryna Gurevych. "Ukp-athene: Multi-sentence textual entailment for claim verification." *arXiv preprint arXiv:1809.01479* (2018)

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Analysis

Programming

Literature

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