

Topic: Fact-Checking

Task Formulation

1. Thorne, James, and Andreas Vlachos. "[Automated Fact Checking: Task Formulations, Methods and Future Directions](#)." COLING 2018

Multiple levels of Truth

2. Wang, William Yang. "[“Liar, Liar Pants on Fire”: A New Benchmark Dataset for Fake News Detection](#)." ACL 2017. (Short)

3. Rinott, Ruty, Lena Dankin, Carlos Alzate Perez, Mitesh M. Khapra, Ehud Aharoni, and Noam Slonim. "[Show me your evidence-an automatic method for context dependent evidence detection](#)." EMNLP 2015

FEVER-based Models

4. [baseline] Thorne, James, et al. "[FEVER: a Large-scale Dataset for Fact Extraction and VERification](#)." NAACL 2018. ([shared task paper](#))
5. [FEVER 1 top system] Yixin Nie, Haonan Chen, and Mohit Bansal. [Combining fact extraction and verification with neural semantic matching networks](#). AAAI 2019.
6. [FEVER 1 (ranked 4)]:most resilient in FEVER 2 & highest evidence precision overall Christopher Malon. [Team papelo: Transformer networks at FEVER](#). In Proceedings of the First Workshop on Fact Extraction VERification (FEVER) 2018. (Short)
7. Zhou, Jie, Xu Han, Cheng Yang, Zhiyuan Liu, Lifeng Wang, Changcheng Li, and Maosong Sun. "[GEAR: Graph-based Evidence Aggregating and Reasoning for Fact Verification](#)." ACL 2019.
8. Nishida, Kosuke, Kyosuke Nishida, Masaaki Nagata, Atsushi Otsuka, Itsumi Saito, Hisako Asano, and Junji Tomita. "[Answering while Summarizing: Multi-task Learning for Multi-hop QA with Evidence Extraction](#)." ACL (2019).

Other FEVER work (discussed in comparison slides only)

9. Soleimani, Amir, Christof Monz, and Marcel Worring. "[BERT for Evidence Retrieval and Claim Verification](#)." *arXiv preprint arXiv:1910.02655* (2019).
10. Zhong, Wanjun, Jingjing Xu, Duyu Tang, Zenan Xu, Nan Duan, Ming Zhou, Jiahai Wang, and Jian Yin. "[Reasoning Over Semantic-Level Graph for Fact Checking](#)." *arXiv* (2019).

Bias

11. Schuster, Tal, Darsh J. Shah, Yun Jie Serene Yeo, Daniel Filizzola, Enrico Santus, and Regina Barzilay. "[Towards debiasing fact verification models](#)." Proceedings of the 2019 Conference on Empirical Methods in Natural Language. *EMNLP* (2019). (Short)

Fact-checking in Community Q/A

12. Joty, Shafiq, Lluís Màrquez, and Preslav Nakov. "[Joint Multitask Learning for Community Question Answering Using Task-Specific Embeddings](#)." EMNLP 2018

Perspective

13. Chen, Sihao, Daniel Khashabi, Wenpeng Yin, Chris Callison-Burch, and Dan Roth. "[Seeing things from a different angle: Discovering diverse perspectives about claims](#)." NAACL 2019

Topic: Fake-News Detection

Language & Types of Fake News

1. Rubin, Victoria L., Yimin Chen, and Niall J. Conroy. "[Deception detection for news: three types of fakes.](#)" In *Proceedings ASIS&T Annual Meeting: Information Science with Impact: Research in and for the Community*, p. 83. American Society for Information Science, 2015. (Short)
2. Pérez-Rosas, Verónica, Bennett Kleinberg, Alexandra Lefevre, and Rada Mihalcea. "[Automatic Detection of Fake News.](#)" COLING 2018
3. Rashkin, Hannah, Eunsol Choi, Jin Yea Jang, Svitlana Volkova, and Yejin Choi. "[Truth of varying shades: Analyzing language in fake news and political fact-checking.](#)" EMNLP 2017 (Short)

Propaganda

4. Martino, Giovanni Da San, Seunghak Yu, Alberto Barrón-Cedeño, Rostislav Petrov, and Preslav Nakov. "[Fine-Grained Analysis of Propaganda in News Articles.](#)" EMNLP (2019).

AI-Generated Fake News

5. Zellers, Rowan, Ari Holtzman, Hannah Rashkin, Yonatan Bisk, Ali Farhadi, Franziska Roesner, and Yejin Choi. "[Defending Against Neural Fake News.](#)" NIPS (2019).
6. Zhang, Yi, Ives, Zachary and Roth, Dan. "[Evidence-based Trustworthiness](#)" ACL 2019.

Stance Detection

7. [FNC-1 Analysis and Model 1]
Hanselowski, Andreas, P. V. S. Avinesh, Benjamin Schiller, Felix Caspelherr, Debanjan Chaudhuri, Christian M. Meyer, and Iryna Gurevych. "[A Retrospective Analysis of the Fake News Challenge Stance-Detection Task.](#)" COLING 2018.
8. [Model 2] Conforti, Costanza, Mohammad Taher Pilehvar, and Nigel Collier. "[Towards Automatic Fake News Detection: Cross-Level Stance Detection in News Articles.](#)" FEVER 2018.
9. [Model 3] Zhang, Qiang, Shangsong Liang, Aldo Lipani, Zhaochun Ren, and Emine Yilmaz. "[From Stances' Imbalance to Their Hierarchical Representation and Detection.](#)" WWW 2019

Other Stance work (discussed in comparison slides only)

10. Mohtarami, Mitra, Ramy Baly, James Glass, Preslav Nakov, Lluís Màrquez, and Alessandro Moschitti. "[Automatic Stance Detection Using End-to-End Memory Networks.](#)" NAACL 2018
11. Dulhanty, Chris, Jason L. Deglint, Ibrahim Ben Daya, and Alexander Wong. "[Taking a Stance on Fake News: Towards Automatic Disinformation Assessment via Deep Bidirectional Transformer Language Models for Stance Detection.](#)" arXiv preprint arXiv:1911.11951 (2019).
12. Schiller, Benjamin, Johannes Daxenberger, and Iryna Gurevych. "[Stance Detection Benchmark: How Robust Is Your Stance Detection?.](#)" arXiv preprint arXiv:2001.01565 (2020).

One more recent Stance paper (not discussed in slides at all)

13. Mohtarami, Mitra, James Glass, and Preslav Nakov. "[Contrastive Language Adaptation for Cross-Lingual Stance Detection.](#)" arXiv preprint arXiv:1910.02076 (2019).

Topic:

Argumentation

Argumentation Models (part of the pipeline)

1. ~~*Stab, Christian, and Iryna Gurevych. "[Identifying argumentative discourse structures in persuasive essays.](#)" EMNLP 2014.~~
2. ***Peldszus**, Andreas, and Manfred Stede. "[Joint prediction in MST-style discourse parsing for argumentation mining.](#)" EMNLP **2015**
3. ***Potash**, Peter, Alexey Romanov, and Anna Rumshisky. "[Here's My Point: Joint Pointer Architecture for Argument Mining.](#)" EMNLP **2017**
4. *Vlad **Niculae**, Joonsuk Park, and Claire Cardie. "[Argument mining with structured SVMs and RNNs.](#)" ACL **2017**.

End2End Models

5. *Isaac **Persing** and Vincent Ng. "[End-to-end argumentation mining in student essays.](#)" NAACL **2016**.
6. ***Eger**, Steffen, Johannes Daxenberger, and Iryna Gurevych. "[Neural End-to-End Learning for Computational Argumentation Mining.](#)" ACL **2017**

Claim Detection

7. ***Daxenberger**, Johannes, Steffen Eger, Ivan Habernal, Christian Stab, and Iryna Gurevych. "[What is the Essence of a Claim? Cross-Domain Claim Identification.](#)" EMNLP **2017**
8. Tuhin Chakrabarty, Christopher Hidey, and Kathleen McKeown. "[IMHO Fine-Tuning Improves Claim Detection.](#)" NAACL 2019 (Short)

Analysis

9. ***Hidey**, Christopher, Elena Musi, Alyssa Hwang, Smaranda Muresan, and Kathy McKeown. "[Analyzing the semantic types of claims and premises in an online persuasive forum.](#)" In *Proceedings of the 4th Workshop on Argument Mining*, pp. 11-21. **2017**.
10. **Wachsmuth**, Henning, Nona Naderi, Ivan Habernal, Yufang Hou, Graeme Hirst, Iryna Gurevych, and Benno Stein. "[Argumentation quality assessment: Theory vs. practice.](#)" ACL 2017 (Short)
>> *Empirical only: comp arg assessment: EACL **2017**
<https://www.aclweb.org/anthology/E17-1017.pdf>