



Modernizing Scientific Communication with NLP



Motivation

Modern science revolves around publications. The worldwide acceleration of research and the democratization of scientific publishing have led to an unprecedented increase in publication volumes. Today anyone can put a paper on arXiv and get it cited, but how do we know if it actually *is* good research worth building upon?

Peer review – manual assessment of scientific works by other researchers – has been a staple of scientific quality control for decades. However, evidence from numerous research fields suggests that the traditional manual journal-style reviewing cannot keep up with the pace of modern research.

We want to investigate how natural language processing can help research communities validate the publications, prevent the distribution of spurious results, and improve the quality of the research outputs in the open, fast-paced, digitized scientific publishing landscape of today.

Tasks

- Processing scientific publications and discussions using cutting-edge NLP technology
- Developing methods and tools for collaborative evaluation of scientific texts
- Preparing novel, high-quality data to support research in scientific communication

Contact

Analysis



Programming



Literature



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