Health misinformation detection: search challenges, annotation issues and reliability of LLMs (Keynote)

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Abstract

As part of ROMCIR 2024, the 4th Workshop on Reducing Online Misinformation through Credible Information Retrieval, Prof. David E. Losada was invited to give a Keynote Speech discussing the current challenges related to the problem of health misinformation. The abstract of the speech follows.

In this presentation, I will share insights from our work at CiTIUS (Centro Singular de Investigación en Tecnoloxías Intelixentes, Universidad de Santiago de Compostela, Spain) on the development of technological and scientific solutions for detecting health misinformation. I will delve into the complexities of developing a multi-faceted retrieval system for misinformation detection that integrates multiple content-based features. The challenges of creating robust credibility benchmarks, given the subjective nature of credibility, will also be discussed. Lastly, I will share our recent efforts to evaluate the quality of LLMs' responses to health-related queries.

More details can be found on the ROMCIR 2024 website: https://romcir.disco.unimib.it/.

Keywords

Health misinformation, Credibility, Information Retrieval, Evaluations, Large Language Models