Fake news: an algorithmic approach

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2 Research question

The following research question is defined: *how well can state-of-the-art natural language processing techniques in combination with machine learning algorithms classify fake news?*

For this research question, the following subquestions will be answered:

- RQ1: How can fake news be defined and characterized?
- RQ2: What new ways of word- or sentence embeddings can be used for encoding plain text?
- RQ3: What is the performance of combinations of these novel embedding techniques with machine learning algorithms?
- RQ4: To what extent can performance of fake news classifiers be improved with increased amounts of raw data?

3 Related Work

3.1 RQ1

Fake news as a term only caught public attention starting from the end of 2016, during the Presidential Elections of the United States [1].

3.2 RQ2

References

[1] Google Trends. Explore. https://trends.google.nl/trends/explore?date=today%205-y&q=fake%20news, 2019. Retrieved on 16th of April, 2019.