



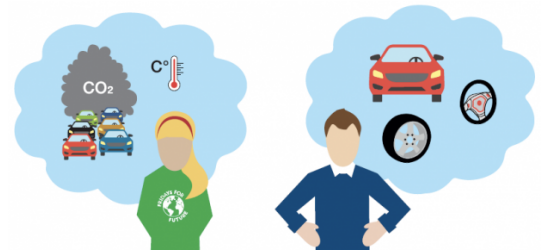
Who is in your opinion bubble? User profiling for controversial topics discourse

Motivation

Social media have been a place for very passionate discussions regarding controversial topics such as nuclear energy or gun control. With NLP techniques for automated estimation of sociodemographic characteristics of users based on their language, we can analyze the average social profiles of groups with different opinion. How diverse are these ‚bubbles‘ and what are their characteristic properties? Which properties are characteristic for users vulnerable to fake news? Can we, in turn, use this information to improve fake news detection and/or opinion classification?

Task Description

- Curate an existing dataset of predicted opinions from social media conversations on controversial topics
- Curate an existing dataset to predict sociodemographic traits of Twitter/Reddit users, and train a ML model. Evaluate.



References

- Durmus, E., & Cardie, C. (2018). Exploring the Role of Prior Beliefs for Argument Persuasion. In Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long Papers).
- Flekova, L., & Gurevych, I. (2013). Can we hide in the web? large scale simultaneous age and gender author profiling in social media. In CLEF 2012 Labs and Workshop, Notebook Papers.

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Analysis



Programming



Literature



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