Databases and Information Systems
Department of Computer Science
Dr. Michael Färber
michael.faerber@cs.uni-freiburg.de

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Call for Bachelor/Master Thesis
"Implementing a System for
Detecting Biased News Articles
(within the International Competition *SemEval 2019 Task 4*)"

What is the topic?

Besides the detection of fake news, satire news, etc., detecting biased news articles has emerged as an important research topic. An article is defined as **biased** if the argumentation in the article is very "partisan," i.e., **if the article follows an agent (e.g., party or person) in a blind, prejudiced, or unreasonable manner (especially in the domain of politics).**

More information about the topic will be available online at https://pan.webis.de/semeval19/semeval19-web/.

In the frame of the thesis, the student will develop a system which is capable of detecting biased news articles from non-biased news articles. Besides the conceptual development and implementation (in consultation with the supervisor), the thesis will include the scientific evaluation of this system and a description how this system differs from other works.

A list of relevant publications and access to necessary hardware (servers) will be provided to the student.

In case the implemented system shows very good evaluation results, the student might have the chance to present his/her work at the international SemEval 2019 workshop (location to be determined, travel costs will be covered).

Which prerequisites should you have?

- Programming skills (any language).

What is the start date?

Since the data is provided by the consortium of SemEval2019-Task 4 in August/September 2018 and since the system must be finalized for the competition in February 2019, also the Master/Bachelor thesis should start roughly in August/September 2018.

Keywords: News, Bias, Fake News, Natural Language Processing, Text Mining, Machine Learning.

Contact:
Michael Färber
michael.faerber@cs.uni-freiburg.de