Job Opening in Emotion Analysis from Text at the Institute for Natural Language Processing at the University of Stuttgart

The Institute for Natural Language Processing at the University of Stuttgart [1] invites applications for a one year fully-funded position in the DFG-funded project "Computational Event Analysis based on Appraisal Theories for Emotion Analysis (CEAT)" with principle investigator Roman Klinger [2].

Project and Position

We study how emotions are expressed in text and how we can enable computers to recognize them. One focus is on implicit expressions of emotions, including event descriptions from which readers can infer the presumable emotion (distribution) of the writer, who lived through the event. You can find more details in our recent publications [3abc]. An important challenge we want to focus on now is to develop zero-shot learning methods to understand emotions that are not present in training data.

The position is available for one year, starting in February 2023 or soon thereafter. The salary is according to the German university pay scale (TV-L 13 100%, approx. 50k EUR per year before taxes depending on previous experience, see [4] for details).

We expect that the runtime of this position can be extended, conditioned on the approval of grant proposals currently under review.

Candidate's Profile

This position is open for predocs, PhD students (as an internship/exchange year) and postdocs, provided a fit of interest and skills can be found.

The candidate should have:

- Knowledge and previous experience in emotion analysis
- Theoretical and practical knowledge on machine/deep-learning based modeling

Further requirements are:

- Master's degree in computational linguistics or computer science, or related fields
- knowledge of natural language processing (NLP) / computational linguistics (CL)
- strong programming skills
- excellent communication skills and interest in interdisciplinary work
- proficiency in English (knowledge of German is not required)

How to Apply?

To apply, please send as a single PDF document:

- a brief motivation letter including your research interests. Please explain how your profile fits to the CEAT project.
- a CV including your publication list (if applicable)

Applications should be sent to Roman Klinger (roman.klinger@ims.uni-stuttgart.de). Applications submitted before December 1st, 2022 will receive full consideration. The position will remain open until filled, so do not hesitate to get in touch when you find this opening after Dec 1st. The (online) interviews will take place at the beginning of December.

People of all genders are equally encouraged to apply. Applications of disabled candidates with equivalent qualifications will be given priority [5].

About Stuttgart and the University of Stuttgart

The University of Stuttgart is a technically oriented university in Germany. It is especially known for engineering and related topics, with its computer science department being ranked highly, both nationally and internationally. The Institute for Natural Language Processing, which is part of the Faculty of Computer Science and Electrical Engineering, is one of the largest academic research institutes for natural language processing in Germany, with three full professors, an assistant professor, three senior lecturers, and a staff of more than thirty researchers. Its activities range from computational corpus linguistics to semantic processing, deep learning, machine translation, psycholinguistics, and phonetics, and hosts several projects funded by the European Commission (EC), the German Research Foundation (DFG), and various foundations. The institute manages dedicated BSc and MSc programs in Computational Linguistics.

The city of Stuttgart [6] is the capital of the state of Baden-Württemberg in southwest Germany. It is a lively and international city, known for its strong economy and rich culture. With Germany's high-speed train system, it is well-connected to many other interesting places, for instance, Munich and Cologne (~2.5 hours), Paris (~3.5 hours), Berlin (~5.5 hours), Strasbourg (<1.5 hours), and Lake of Constance (~2.5 hours).

Links

[1] https://www.ims.uni-stuttgart.de

[2] https://www.romanklinger.de

[3a] http://dx.doi.org/10.1162/coli_a_00461

[3b] https://arxiv.org/abs/2210.12078

[3c] https://aclanthology.org/2022.coling-1.592

[4] https://tinyurl.com/tvl13a

[5] https://www.uni-stuttgart.de/en/university/organization/management/staff-positions/gender-equality-office

[6] https://www.stuttgart-tourist.de/en