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Profile

Currently a final year PhD student at Lancaster University within the School of Computing and Communications (SCC) and part of UCREL¹ and the Data Science Institute. I am studying how generalisable target dependent sentiment analysis methods are and how they can be improved through other sources of information. I am supervised by Dr Paul Rayson (SCC) and Prof. Steven Young (Accounting and Finance). I have worked and regularly collaborate with many academics during my PhD, research assistant and independent contract work. I have consistently performed well and delivered projects on time. I have always strived to beat my targets and widen my knowledge using external sources such as MOOC's and my colleagues' experiences.

Experience Highlights

Summer Intern Alan Turing Institute July to Sept 2017

I was part of a team led by Mirco Musolesi and Maria Liakata where my job was predicting users well-being from their text messages and social media posts. This involved understanding the main problems data variety and sparsity originally stated by my supervisor and confirmed through data exploration. Due to these problems it allowed me to research new areas of Natural Language Processing (NLP) such as natural language generation and domain adaptation. I applied this new knowledge by creating custom tensorflow models with the intention to solve the sparsity and variety problems. Through weekly team meetings I was able to communicate my findings and discuss different avenues of research for myself as well give suggestions to others. Overall the experience allowed me to broaden my NLP knowledge and expand my academic network through attending the regular NLP reading group at the institute.

Speaker & Teaching Assistant UCREL summer school 2016 and 2017

I created a sentiment analysis session² as well as collaborating with colleagues on two other sessions: web scraping³ and web cleaning⁴. Developing these sessions has given me experience in creating a lecture and practical with learning objectives that are achievable in the given time frame, as well as producing a clear and fluid presentation.

Achievements

1. One of the "Best of" SemEval 2017⁵
2. Taught on the 2019 applied data mining master's module at Lancaster University.
3. Contributed to the AllenNLP project⁶.
4. Created the NLP group meetings and co-organiser of the data science group seminars at Lancaster University.

Technical and Publication links

- Github: <https://github.com/apmoore1>
- ORCID – 0000-0002-3395-0841
- Google Scholar - https://scholar.google.co.uk/citations?user=mJRN_SIAAAAJ&hl=en

¹<http://ucrel.lancs.ac.uk/>

²<https://github.com/apmoore1/SentiLexTutorial>

³<https://github.com/UCREL/web-corpus-construction>

⁴<https://github.com/UCREL/web-cleaning>

⁵<http://alt.qcri.org/semeval2017/>

⁶<https://github.com/allenai/allennlp>