Hassan Alhuzali

PHD STUDENT @ NaCTeM, THE UNIVERSITY OF MANCHESTER

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Research Interest

Natural Language Processing (NLP), Emotion Recognition and Analysis, Multi-label Emotion Classification, Deep Learning, Metric Learning

Education

Master of Information Science   Aug 2014 – May 2016

Indiana University-Bloomington, *USA*

Bachelor of Information Science   July 2008 – March 2011

Umm Al-Qura University, *SA*

Professional Experience

Lecturer   Aug 2018 – Dec 2018

Umm Al-Qura University, *Saudi Arabia*

❖ Responsible for teaching information retrieval and Python courses

Graduate Assistant   Aug 2017 – Dec 2017

University of British Columbia, *CA*

❖ Developed methods and models both for Arabic dialect identification and for Arabic abusive language
❖ Developed deep learning methods for textual emotion recognition

Visiting Student Researcher   May 2016 – July 2016

Positive Psychology Center, *University of Pennsylvania, USA*

❖ Worked on collecting and mining a large amount of data from both Twitter and Facebook

Information Specialist   Mar 2011 – Sep 2011

Prince Sultan College for Management and Tourism, *SA*

Publications

Journal Papers

❖ **Alhuzali, H.**, & Ananiadou, S. (2021). Improving Textual Emotion Recognition Based on Intra- and Inter-Class Variation. IEEE Transactions on Affective Computing.

Conference Papers

❖ **Alhuzali, H.**, & Ananiadou, S. (2021). SpanEmo: Casting Multi-label Emotion Classification as Span-prediction. In Proceedings of the 16th conference of the European Chapter of the Association for Computational Linguistics (EACL-2021)

❖ Abdul-Mageed, M. **Alhuzali, H.** & Elaraby, M. (2018). You Tweet What You Speak: A City-Level Dataset of Arabic Dialects. *The 11th International Conference on Language Resources and Evaluation (LREC2018)*, 7-12 May 2018, Miyazaki (Japan)

Workshop Papers

❖ **Alhuzali, H.**, Zhang, T & Ananiadou, S. (2021). Predicting Sign of Depression via Using Frozen Pre-trained Models and Random Forest Classifier. In CLEF-2021.

- ❖ **Alhuzali, H.**, & Ananiadou, S. (2019, August). Improving classification of Adverse Drug Reactions through Using Sentiment Analysis and Transfer Learning. In Proceedings of the 18th BioNLP Workshop and Shared Task (pp. 339-347)

- ❖ **Alhuzali, H.**, Elaraby, M., & Abdul-Mageed, M. (2018). UBC-NLP at IEST 2018: Learning Implicit Emotion With an Ensemble of Language Models. Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis (WASSA), co-located with EMNLP-2018, Brussels, Belgium

- ❖ **Alhuzali, H.**, Abdul-Mageed, M., & Ungar, L. (2018). Enabling Deep Learning of Emotion with First-Person Seed Expressions. The 2nd Workshop on Computational Modeling of People's emotion in Social Media (PEOPLES), co-located with (NAACL-HLT2018), New Orleans, Louisiana

Invited Talks

Jul 2018   Learning Implicit Emotion With an Ensemble of Language Models, Computational Linguistic Summer School, *UBC*

Jun 2018   Emotion and Dialect projects, NLP Lab, *UBC*

Mar 2018   Emotion detection in social media, iSchool Research Day, *UBC*

Aug 2017   Emotion detection with Hybrid Supervision, Department of Linguistic, *UBC*

Awards & Scholarship

2019   PHD scholarship from Al-Qura University (3-year)

2017   SACB Student Award ($2100 CAD)

Skills & Misc.

Programming: Python (Advanced) & Unix (Basic)

Machine and deep learning tools: Scikit-learn, Keras, PyTorch

Writing tools: Microsoft Word, LaTeX

Reviewing: EMNLP-2021, Coling-2020, ACL-2020, LREC-2020, PGR Symposium-2019

Volunteering: Translator, iSchool Symposium, ACL-2020

Workshops: LxMLs-2019, Text-Analytics-2018, West-Grid-Research-Computing-2017

Languages: Arabic & English