

Harish Tayyar Madabushi: Major Publications

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PUBLISHED

Harish Tayyar Madabushi, Mark Lee, and John Barnden “Integrating Question Classification and Deep Learning for Improved Answer Selection.” *Proceedings of the 27th International Conference on Computational Linguistics, Santa Fe, USA (COLING2018)*. 2018

[Achieved state-of-the-art results in answer selection]

Harish Tayyar Madabushi and Mark Lee “High Accuracy Rule-based Question Classification Using Question Syntax and Semantics.” *Proceedings of the 26th International Conference on Computational Linguistics, Osaka, Japan (COLING2016)*. 2016

[Remains state-of-the-art in question classification]

Harish Tayyar Madabushi, Elena Kochkina, and Michael Castelle. “Cost-sensitive BERT for Generalisable Sentence Classification on Imbalanced Data.” *Proceedings of the Second Workshop on Natural Language Processing for Internet Freedom: Censorship, Disinformation, and Propaganda, pages 125–134, Hong Kong, China, Association for Computational Linguistics*. 2019

[Ranked 2nd out of around 40 participating teams]

Xu, Dongfang, Peter Jansen, Jaycie Martin, Zhengnan Xie, Vikas Yadav, **Harish Tayyar Madabushi**, Oyvind Tafjord, and Peter Clark. “Multi-class Hierarchical Question Classification for Multiple Choice Science Exams.” In *Proceedings of The 12th Language Resources and Evaluation Conference*, pp. 5370-5382. 2020.

ACCEPTED FOR PUBLICATION

Frances Adriana Laureano De Leon, Florimond Guéniat, **Harish Tayyar Madabushi** “CS-Embed-Francesita at SemEval-2020 Task 9: The Effectiveness of Code-Switched Word Embeddings for Sentiment Analysis” *Proceedings of SemEval 2020*.

Wah Meng Lim, **Harish Tayyar Madabushi** “UoB at SemEval-2020 Task 12: Boosting BERT with Corpus Level Information.” *Proceedings of SemEval 2020*.

Eleri Sarsfield, **Harish Tayyar Madabushi** “UoB at SemEval-2020 Task 1: Automatic Identification of Novel Word Senses.” *Proceedings of SemEval 2020*.

SUBMITTED

Harish Tayyar Madabushi, Laurence Romain, Dagmar Divjak and Petar Milin “CxGBERT: BERT meets Construction Grammar”, submitted to COLING 2020.

Anushka Prakash and **Harish Tayyar Madabushi** “Incorporating Count-Based Features into Pre-Trained Models for Improved Propaganda Detection”, submitted to NLP4IF 2020.

Calum Perrio and **Harish Tayyar Madabushi** “CXP949 at WNUT-2020 Task 2: Extracting Informative COVID-19 Tweets - RoBERTa Ensembles and The Continued Relevance of Handcrafted Features”, submitted to the 6th Workshop of Noisy User-generated Text.