59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)

Student Research Workshop

Online 5-6 August 2021

ISBN: 978-1-7138-3311-6

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by the Association for Computational Linguistics and the Asian Federation of Natural Language Processing All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact the Association for Computational Linguistics at the address below.

Association for Computational Linguistics 209 N. Eighth Street Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006 Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400

Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

Investigation on Data Adaptation Techniques for Neural Named Entity Recognition Evgeniia Tokarchuk, David Thulke, Weiyue Wang, Christian Dugast and Hermann Ney1
Stage-wise Fine-tuning for Graph-to-Text Generation Qingyun Wang, Semih Yavuz, Xi Victoria Lin, Heng Ji and Nazneen Rajani
Transformer-Based Direct Hidden Markov Model for Machine Translation Weiyue Wang, Zijian Yang, Yingbo Gao and Hermann Ney
AutoRC: Improving BERT Based Relation Classification Models via Architecture Search Wei Zhu
How Low is Too Low? A Computational Perspective on Extremely Low-Resource Languages Rachit Bansal, Himanshu Choudhary, Ravneet Punia, Niko Schenk, Émilie Pagé-Perron and Jacob Dahl
On the Relationship between Zipf's Law of Abbreviation and Interfering Noise in Emergent Languages Ryo Ueda and Koki Washio
Long Document Summarization in a Low Resource Setting using Pretrained Language Models Ahsaas Bajaj, Pavitra Dangati, Kalpesh Krishna, Pradhiksha Ashok Kumar, Rheeya Uppaal, Bradford Windsor, Eliot Brenner, Dominic Dotterrer, Rajarshi Das and Andrew McCallum
Attending Self-Attention: A Case Study of Visually Grounded Supervision in Vision-and-Language Transformers Jules Samaran, Noa Garcia, Mayu Otani, Chenhui Chu and Yuta Nakashima
Video-guided Machine Translation with Spatial Hierarchical Attention Network Weiqi Gu, Haiyue Song, Chenhui Chu and Sadao Kurohashi
Stylistic approaches to predicting Reddit popularity in diglossia Huikai Chua
"I've Seen Things You People Wouldn't Believe": Hallucinating Entities in GuessWhat?! Alberto Testoni and Raffaella Bernardi
How do different factors Impact the Inter-language Similarity? A Case Study on Indian languages Sourav Kumar, Salil Aggarwal, Dipti Misra Sharma and Radhika Mamidi
COVID-19 and Misinformation: A Large-Scale Lexical Analysis on Twitter Dimosthenis Antypas, Jose Camacho-Collados, Alun Preece and David Rogers
Situation-Based Multiparticipant Chat Summarization: a Concept, an Exploration-Annotation Tool and an Example Collection Anna Smirnova, Evgeniy Slobodkin and George Chernishev
Modeling Text using the Continuous Space Topic Model with Pre-Trained Word Embeddings Seiichi Inoue, Taichi Aida, Mamoru Komachi and Manabu Asai
Semantics of the Unwritten: The Effect of End of Paragraph and Sequence Tokens on Text Generation with GPT2 He Bai, Peng Shi, Jimmy Lin, Luchen Tan, Kun Xiong, Wen Gao, Jie Liu and Ming Li 148

lingual Word Embeddings Sosuke Nishikawa, Ryokan Ri and Yoshimasa Tsuruoka
Joint Detection and Coreference Resolution of Entities and Events with Document-level Context Aggregation
Samuel Kriman and Heng Ji
"Hold on honey, men at work": A semi-supervised approach to detecting sexism in sitcoms Smriti Singh, Tanvi Anand, Arijit Ghosh Chowdhury and Zeerak Waseem
Observing the Learning Curve of NMT Systems With Regard to Linguistic Phenomena Patrick Stadler, Vivien Macketanz and Eleftherios Avramidis
Improving the Robustness of QA Models to Challenge Sets with Variational Question-Answer Pair Generation
Kazutoshi Shinoda, Saku Sugawara and Akiko Aizawa
Tools Impact on the Quality of Annotations for Chat Untangling Jhonny Cerezo, Felipe Bravo-Marquez and Alexandre Henri Bergel
How Many Layers and Why? An Analysis of the Model Depth in Transformers Antoine Simoulin and Benoit Crabbé
Edit Distance Based Curriculum Learning for Paraphrase Generation Sora Kadotani, Tomoyuki Kajiwara, Yuki Arase and Makoto Onizuka
Changing the Basis of Contextual Representations with Explicit Semantics Tamás Ficsor and Gábor Berend
Personal Bias in Prediction of Emotions Elicited by Textual Opinions Piotr Milkowski, Marcin Gruza, Kamil Kanclerz, Przemyslaw Kazienko, Damian Grimling and Jan Kocon
MVP-BERT: Multi-Vocab Pre-training for Chinese BERT Wei Zhu
CMTA: COVID-19 Misinformation Multilingual Analysis on Twitter Raj Pranesh, Mehrdad Farokhenajd, Ambesh Shekhar and Genoveva Vargas-Solar
Predicting pragmatic discourse features in the language of adults with autism spectrum disorder Christine Yang, Duanchen Liu, Qingyun Yang, Zoey Liu and Emily Prud'hommeaux284
SumPubMed: Summarization Dataset of PubMed Scientific Articles Vivek Gupta, Prerna Bharti, Pegah Nokhiz and Harish Karnick
A Case Study of Analysis of Construals in Language on Social Media Surrounding a Crisis Event Lolo Aboufoul, Khyati Mahajan, Tiffany Gallicano, Sara Levens and Samira Shaikh 304
Cross-lingual Evidence Improves Monolingual Fake News Detection Daryna Dementieva and Alexander Panchenko
Neural Machine Translation with Synchronous Latent Phrase Structure Shintaro Harada and Taro Watanabe

Zero Pronouns Identification based on Span prediction	
Sei Iwata, Taro Watanabe and Masaaki Nagata	331
On the differences between BERT and MT encoder spaces and how to address them in tro	
Raúl Vázquez, Hande Celikkanat, Mathias Creutz and Jörg Tiedemann	
Synchronous Syntactic Attention for Transformer Neural Machine Translation	
Hiroyuki Deguchi, Akihiro Tamura and Takashi Ninomiya	348