3rd Workshop on Deep Learning Approaches for Low-Resource Natural Language Processing (DeepLo 2022)

Online 14 July 2022

ISBN: 978-1-7138-5628-3

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© (2022) by the Association for Computational Linguistics All rights reserved.

Printed with permission by Curran Associates, Inc. (2022)

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

Introducing QuBERT: A Large Monolingual Corpus and BERT Model for Southern Quechua Rodolfo Zevallos, John Ortega, William Chen, Richard Castro, Núria Bel, Cesar Toshio, Renzo Venturas and Hilario Aradiel and Nelsi Melgarejo
Improving Distantly Supervised Document-Level Relation Extraction Through Natural Language Inference Clara Vania and Grace Lee and Andrea Pierleoni
IDANI: Inference-time Domain Adaptation via Neuron-level Interventions Omer Antverg and Eyal Ben-David and Yonatan Belinkov
Generating unlabelled data for a tri-training approach in a low resourced NER task Hugo Boulanger and Thomas Lavergne and Sophie Rosset
ANTS: A Framework for Retrieval of Text Segments in Unstructured Documents Brian Chivers, Mason P. Jiang, Wonhee Lee, Amy Ng and Natalya I. Rapstine and Alex Storer38
Cross-TOP: Zero-Shot Cross-Schema Task-Oriented Parsing Melanie A. Rubino, Nicolas Guenon des mesnards, Uday Shah, Nanjiang Jiang and Weiqi Sur and Konstantine Arkoudas
Help from the Neighbors: Estonian Dialect Normalization Using a Finnish Dialect Generator Mika Hämäläinen and Khalid Alnajjar and Tuuli Tuisk
Exploring diversity in back translation for low-resource machine translation Laurie Burchell and Alexandra Birch and Kenneth Heafield
Punctuation Restoration in Spanish Customer Support Transcripts using Transfer Learning Xiliang Zhu, Shayna Gardiner, David Rossouw and Tere Roldán and Simon Corston-Oliver 80
Pre-training Data Quality and Quantity for a Low-Resource Language: New Corpus and BERT Models for Maltese Kurt Micallef, Albert Gatt, Marc Tanti and Lonneke van der Plas and Claudia Borg
Building an Event Extractor with Only a Few Examples Pengfei Yu, Zixuan Zhang, Clare Voss and Jonathan May and Heng Ji
Task Transfer and Domain Adaptation for Zero-Shot Question Answering Xiang Pan, Alex Sheng, David Shimshoni, Aditya Singhal and Sara Rosenthal and Avirup Sil110
Let the Model Decide its Curriculum for Multitask Learning Neeraj Varshney and Swaroop Mishra and Chitta Baral
AfriTeVA: Extending ?Small Data? Pretraining Approaches to Sequence-to-Sequence Models Odunayo Jude Ogundepo, Akintunde Oladipo, Mofetoluwa Adeyemi and Kelechi Ogueji and Jimmy Lin
Few-shot Learning for Sumerian Named Entity Recognition Guanghai Wang and Yudong Liu and James Hearne
Deep Learning-Based Morphological Segmentation for Indigenous Languages: A Study Case on Innu- Aimun Ngoc Tan Le, Antoine Cadotte, Mathieu Boivin and Fatiha Sadat and Jimena Terraza

Clean or Annotate: How to Spend a Limited Data Collection Budget Derek Chen and Zhou Yu and Samuel R. Bowman
Unsupervised Knowledge Graph Generation Using Semantic Similarity Matching Lixian Liu, Amin Omidvar, Zongyang Ma and Ameeta Agrawal and Aijun An
FarFetched: Entity-centric Reasoning and Claim Validation for the Greek Language based on Textually Represented Environments
Dimitris Papadopoulos, Katerina Metropoulou and Nikolaos Papadakis and Nikolaos Matsatsinis 180
Alternative non-BERT model choices for the textual classification in low-resource languages and environments Syed Mustavi Maheen, Moshiur Rahman Faisal and Md. Rafakat Rahman and Md. Shahrian Karim
Generating Complement Data for Aspect Term Extraction with GPT-2 Amir Pouran Ben Veyseh, Franck Dernoncourt and Bonan Min and Thien Huu Nguyen 203
How to Translate Your Samples and Choose Your Shots? Analyzing Translate-train & Few-shot Cross- lingual Transfer Iman Jundi and Gabriella Lapesa
Unified NMT models for the Indian subcontinent, transcending script-barriers Gokul N.C