## First Workshop on Insights from Negative Results in NLP (Insights 2020)

Online 19 November 2020

ISBN: 978-1-7138-1996-7

## 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.

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**

Domain adaptation challenges of BERT in tokenization and sub-word representations of Out-of-Vocabulary words  Anmol Nayak, Hariprasad Timmapathini, Karthikeyan Ponnalagu and Vijendran Gopalan Venkoparao
Q. Can Knowledge Graphs be used to Answer Boolean Questions? A. It's complicated!  Daria Dzendzik, Carl Vogel and Jennifer Foster
How Far Can We Go with Data Selection? A Case Study on Semantic Sequence Tagging Tasks Samuel Louvan and Bernardo Magnini
Evaluating the Effectiveness of Efficient Neural Architecture Search for Sentence-Pair Tasks  Ansel MacLaughlin, Jwala Dhamala, Anoop Kumar, Sriram Venkatapathy, Ragav Venkatesan and Rahul Gupta
Which Matters Most? Comparing the Impact of Concept and Document Relationships in Topic Models Silvia Terragni, Debora Nozza, Elisabetta Fersini and Messina Enza
On Task-Level Dialogue Composition of Generative Transformer Model  Prasanna Parthasarathi, Sharan Narang and Arvind Neelakantan
How Effectively Can Machines Defend Against Machine-Generated Fake News? An Empirical Study Meghana Moorthy Bhat and Srinivasan Parthasarathy
Label Propagation-Based Semi-Supervised Learning for Hate Speech Classification Ashwin Geet D'Sa, Irina Illina, Dominique Fohr, Dietrich Klakow and Dana Ruiter
Layout-Aware Text Representations Harm Clustering Documents by Type  Catherine Finegan-Dollak and Ashish Verma
An Analysis of Capsule Networks for Part of Speech Tagging in High- and Low-resource Scenarios  Andrew Zupon, Faiz Rafique and Mihai Surdeanu
Can Knowledge Graph Embeddings Tell Us What Fact-checked Claims Are About?  Valentina Beretta, Sébastien Harispe, Katarina Boland, Luke Lo Seen, Konstantin Todorov and Andon Tchechmedjiev
Do Transformers Dream of Inference, or Can Pretrained Generative Models Learn Implicit Inferential Rules?  Zhengzhong Liang and Mihai Surdeanu
Counterfactually-Augmented SNLI Training Data Does Not Yield Better Generalization Than Unaugmented Data  William Huang, Haokun Liu and Samuel R. Bowman
NMF Ensembles? Not for Text Summarization! Alka Khurana and Vasudha Bhatnagar
If You Build Your Own NER Scorer, Non-replicable Results Will Come  Constantine Lignos and Marian Kamyab

HINT3: Raising the bar for Intent Detection in the Wild	
Gaurav Arora, Chirag Jain, Manas Chaturvedi and Krupal Modi	99
The Extraordinary Failure of Complement Coercion Crowdsourcing	
Yanai Elazar, Victoria Basmov, Shauli Ravfogel, Yoav Goldberg and Reut Tsarfaty	. 105
Embedding Structured Dictionary Entries	
Steven Wilson, Walid Magdy, Barbara McGillivray and Gareth Tyson	.116