

Second Workshop on Language Technology for Equality, Diversity and Inclusion (LTEDI 2022)

Dublin, Ireland
27 May 2022

ISBN: 978-1-7138-6746-3

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. (2023)

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

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
| <i>Mind the data gap(s): Investigating power in speech and language datasets</i> | |
| Nina Markl | 1 |
| <i>Regex in a Time of Deep Learning: The Role of an Old Technology in Age Discrimination Detection in Job Advertisements</i> | |
| Anna Pillar, Kyrill Poelmans and Martha Larson | 13 |
| <i>Doing not Being: Concrete Language as a Bridge from Language Technology to Ethnically Inclusive Job Ads</i> | |
| Jetske Adams, Kyrill Poelmans, Iris Hendrickx and Martha Larson | 19 |
| <i>Measuring Harmful Sentence Completion in Language Models for LGBTQIA+ Individuals</i> | |
| Debora Nozza, Federico Bianchi, Anne Lauscher and Dirk Hovy | 26 |
| <i>Using BERT Embeddings to Model Word Importance in Conversational Transcripts for Deaf and Hard of Hearing Users</i> | |
| Akhter Al Amin, Saad Hassan, Cecilia Alm and Matt Huenerfauth | 35 |
| <i>Detoxifying Language Models with a Toxic Corpus</i> | |
| Yoona Park and Frank Rudzicz | 41 |
| <i>Inferring Gender: A Scalable Methodology for Gender Detection with Online Lexical Databases</i> | |
| Marion Bartl and Susan Leavy | 47 |
| <i>Debiasing Pre-Trained Language Models via Efficient Fine-Tuning</i> | |
| Michael Gira, Ruisu Zhang and Kangwook Lee | 59 |
| <i>Disambiguation of morpho-syntactic features of African American English – the case of habitual be</i> | |
| Harrison Santiago, Joshua Martin, Sarah Moeller and Kevin Tang | 70 |
| <i>Behind the Mask: Demographic bias in name detection for PII masking</i> | |
| Courtney Mansfield, Amandalynne Paullada and Kristen Howell | 76 |
| <i>Mapping the Multilingual Margins: Intersectional Biases of Sentiment Analysis Systems in English, Spanish, and Arabic</i> | |
| António Câmara, Nina Taneja, Tamjeed Azad, Emily Allaway and Richard Zemel | 90 |
| <i>Monte Carlo Tree Search for Interpreting Stress in Natural Language</i> | |
| Kyle Swanson, Joy Hsu and Mirac Suzgun | 107 |
| <i>IITSurat@LT-EDI-ACL2022: Hope Speech Detection using Machine Learning</i> | |
| Pradeep Kumar Roy, Snehaan Bhawal, Abhinav Kumar and Bharathi Raja Chakravarthi | 120 |
| <i>The Best of both Worlds: Dual Channel Language modeling for Hope Speech Detection in low-resourced Kannada</i> | |
| Adeep Hande, Siddhanth U Hegde, Sangeetha S, Ruba Priyadarshini and Bharathi Raja Chakravarthi | 127 |
| <i>NYCU_TWD@LT-EDI-ACL2022: Ensemble Models with VADER and Contrastive Learning for Detecting Signs of Depression from Social Media</i> | |
| Wei-Yao Wang, Yu-Chien Tang, Wei-Wei Du and Wen-Chih Peng | 136 |
| <i>UMUTeam@LT-EDI-ACL2022: Detecting homophobic and transphobic comments in Tamil</i> | |
| José Antonio García-Díaz, Camilo Caparros-Laiz and Rafael Valencia-García | 140 |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <i>UMUTeam@LT-EDI-ACL2022: Detecting Signs of Depression from text</i> | 145 |
| José Antonio García-Díaz and Rafael Valencia-García | 145 |
| <i>bitsa_nlp@LT-EDI-ACL2022: Leveraging Pretrained Language Models for Detecting Homophobia and Transphobia in Social Media Comments</i> | 149 |
| Vitthal Bhandari and Poonam Goyal | 149 |
| <i>ABLIMET @LT-EDI-ACL2022: A Roberta based Approach for Homophobia/Transphobia Detection in Social Media</i> | 155 |
| Abulimiti Maimaitituoheti | 155 |
| <i>MUCIC@LT-EDI-ACL2022: Hope Speech Detection using Data Re-Sampling and 1D Conv-LSTM</i> | 161 |
| Anusha M D Gowda, Fazlourrahman Balouchzahi, Hosahalli Lakshmaiah Shashirekha and Grigori Sidorov | 161 |
| <i>DeepBlues@LT-EDI-ACL2022: Depression level detection modelling through domain specific BERT and short text Depression classifiers</i> | 167 |
| Nawshad Farrueque, Osmar Zaiane, Randy Goebel and Sudhakar Sivapalan..... | 167 |
| <i>SSN_ARMM@ LT-EDI -ACL2022: Hope Speech Detection for Equality, Diversity, and Inclusion Using ALBERT model</i> | 173 |
| Praveenkumar Vijayakumar, Prathyush S, Aravind P, Angel Deborah S, Rajalakshmi Sivanaiah, Sakaya Milton Rajendram and Mirnalinee T T | 173 |
| <i>SUH_ASR@LT-EDI-ACL2022: Transformer based Approach for Speech Recognition for Vulnerable Individuals in Tamil</i> | 177 |
| Suhasini S and Bharathi B | 177 |
| <i>LPS@LT-EDI-ACL2022:An Ensemble Approach about Hope Speech Detection</i> | 183 |
| Yue Ying Zhu..... | 183 |
| <i>CURAJ_IITDWD@LT-EDI-ACL 2022: Hope Speech Detection in English YouTube Comments using Deep Learning Techniques</i> | 190 |
| Vanshita Jha, Ankit Kumar Mishra and Sunil Saumya..... | 190 |
| <i>SSN_MLRG3 @LT-EDI-ACL2022-Depression Detection System from Social Media Text using Transformer Models</i> | 196 |
| Sarika Esackimuthu, Shruthi Hariprasad, Rajalakshmi Sivanaiah, Angel Deborah S, Sakaya Milton Rajendram and Mirnalinee T T | 196 |
| <i>BERT 4EVER@LT-EDI-ACL2022-Detecting signs of Depression from Social MediaDetecting Depression in Social Media using Prompt-Learning and Word-Emotion Cluster</i> | 200 |
| Xiaotian Lin, Yingwen Fu, Ziyu Yang, Nankai Lin and Shengyi Jiang | 200 |
| <i>CIC@LT-EDI-ACL2022: Are transformers the only hope? Hope speech detection for Spanish and English comments</i> | 206 |
| Fazlourrahman Balouchzahi, Sabur Butt, Grigori Sidorov and Alexander Gelbukh | 206 |
| <i>scubeMSEC@LT-EDI-ACL2022: Detection of Depression using Transformer Models</i> | 212 |
| Sivamanikandan S, Santhosh V, Sanjaykumar N, Jerin Mahibha C and Thenmozhi Durairaj .. | 212 |
| <i>SSNCSE_NLP@LT-EDI-ACL2022:Hope Speech Detection for Equality, Diversity and Inclusion using sentence transformers</i> | 218 |
| Bharathi B, Dhanya Srinivasan, Josephine Varsha, Thenmozhi Durairaj and Senthil Kumar B | 218 |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <i>SOA_NLP@LT-EDI-ACL2022: An Ensemble Model for Hope Speech Detection from YouTube Comments</i> | 223 |
| Abhinav Kumar, Sunil Saumya and Pradeep Kumar Roy | 223 |
| <i>IIT Dhanbad @LT-EDI-ACL2022- Hope Speech Detection for Equality, Diversity, and Inclusion</i> | 229 |
| Vishesh Gupta, Ritesh Kumar and Rajendra Pamula | 229 |
| <i>IISERB@LT-EDI-ACL2022: A Bag of Words and Document Embeddings Based Framework to Identify Severity of Depression Over Social Media</i> | 234 |
| Tanmay Basu | 234 |
| <i>SSNCSE_NLP@LT-EDI-ACL2022: Homophobia/Transphobia Detection in Multiple Languages using SVM Classifiers and BERT-based Transformers</i> | 239 |
| Krithika Swaminathan, Bharathi B, Gayathri G L and Hrishik Sampath | 239 |
| <i>KUCST@LT-EDI-ACL2022: Detecting Signs of Depression from Social Media Text</i> | 245 |
| Manex Agirrezabal and Janek Amann | 245 |
| <i>E8-IJS@LT-EDI-ACL2022 - BERT, AutoML and Knowledge-graph backed Detection of Depression</i> | 251 |
| Ilija Tavchioski, Boshko Koloski, Blaž Škrlj and Senja Pollak | 251 |
| <i>Nozza@LT-EDI-ACL2022: Ensemble Modeling for Homophobia and Transphobia Detection</i> | 258 |
| Debora Nozza | 258 |
| <i>KADO@LT-EDI-ACL2022: BERT-based Ensembles for Detecting Signs of Depression from Social Media Text</i> | 265 |
| Morteza Janatdoust, Fatemeh Ehsani-Besheli and Hossein Zeinali | 265 |
| <i>Sammaan@LT-EDI-ACL2022: Ensembled Transformers Against Homophobia and Transphobia</i> | 270 |
| Ishan Sanjeev Upadhyay, Kv Aditya Srivatsa and Radhika Mamidi | 270 |
| <i>OPI@LT-EDI-ACL2022: Detecting Signs of Depression from Social Media Text using RoBERTa Pre-trained Language Models</i> | 276 |
| Rafał Poświata and Michał Wiktor Perełkiewicz | 276 |
| <i>FilipN@LT-EDI-ACL2022-Detecting signs of Depression from Social Media: Examining the use of summarization methods as data augmentation for text classification</i> | 283 |
| Filip Nilsson and György Kovács | 283 |
| <i>NAYEL @LT-EDI-ACL2022: Homophobia/Transphobia Detection for Equality, Diversity, and Inclusion using SVM</i> | 287 |
| Nsrin Ashraf, Mohamed Taha, Ahmed Taha Abd Elfattah and Hamada Nayel | 287 |
| <i>giniUs @LT-EDI-ACL2022: Aasha: Transformers based Hope-EDI</i> | 291 |
| Harshul Raj Surana and Basavraj Chinagundi | 291 |
| <i>SSN_MLRG1@LT-EDI-ACL2022: Multi-Class Classification using BERT models for Detecting Depression Signs from Social Media Text</i> | 296 |
| Karun Anantharaman, Angel Deborah S, Rajalakshmi Sivanaiah, Saritha Madhavan and Sakaya Milton Rajendram | 296 |
| <i>DepressionOne@LT-EDI-ACL2022: Using Machine Learning with SMOTE and Random UnderSampling to Detect Signs of Depression on Social Media Text.</i> | 301 |
| Suman Dowlagar and Radhika Mamidi | 301 |
| <i>LeaningTower@LT-EDI-ACL2022: When Hope and Hate Collide</i> | 306 |
| Arianna Muti, Marta Marchiori Manerba, Katerina Korre and Alberto Barrón-Cedeño | 306 |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <i>MUCS@Text-LT-EDI@ACL 2022: Detecting Sign of Depression from Social Media Text using Supervised Learning Approach</i> | |
| Asha Hegde, Sharal Coelho, Ahmad Elyas Dashti and Hosahalli Lakshmaiah Shashirekha | 312 |
| <i>SSNCSE_NLP@LT-EDI-ACL2022: Speech Recognition for Vulnerable Individuals in Tamil using pre-trained XLSR models</i> | |
| Dhanya Srinivasan, Bharathi B, Thenmozhi Durairaj and Senthil Kumar B | 317 |
| <i>IDIAP_TIET@LT-EDI-ACL2022 : Hope Speech Detection in Social Media using Contextualized BERT with Attention Mechanism</i> | |
| Deepanshu Khanna, Muskaan Singh and Petr Motlicek | 321 |
| <i>SSN@LT-EDI-ACL2022: Transfer Learning using BERT for Detecting Signs of Depression from Social Media Texts</i> | |
| Adarsh S and Betina Antony | 326 |
| <i>Findings of the Shared Task on Detecting Signs of Depression from Social Media</i> | |
| Kayalvizhi S, Thenmozhi Durairaj, Bharathi Raja Chakravarthi and Jerin Mahibha C | 331 |
| <i>Findings of the Shared Task on Speech Recognition for Vulnerable Individuals in Tamil</i> | |
| Bharathi B, Bharathi Raja Chakravarthi, Subalalitha CN, Sripriya N, Arunaggiri Pandian and Swetha Valli | 339 |
| <i>DLRG@LT-EDI-ACL2022: Detecting signs of Depression from Social Media using XGBoost Method</i> | |
| Herbert Goldwin Sharen and Ratnavel Rajalakshmi | 346 |
| <i>IDIAP Submission@LT-EDI-ACL2022 : Hope Speech Detection for Equality, Diversity and Inclusion</i> | |
| Muskaan Singh and Petr Motlicek | 350 |
| <i>IDIAP Submission@LT-EDI-ACL2022: Homophobia/Transphobia Detection in social media comments</i> | |
| Muskaan Singh and Petr Motlicek | 356 |
| <i>IDIAP Submission@LT-EDI-ACL2022: Detecting Signs of Depression from Social Media Text</i> | |
| Muskaan Singh and Petr Motlicek | 362 |
| <i>Overview of The Shared Task on Homophobia and Transphobia Detection in Social Media Comments</i> | |
| Bharathi Raja Chakravarthi, Ruba Priyadharshini, Thenmozhi Durairaj, John Philip McCrae, Paul Buitelaar, Prasanna Kumar Kumaresan and Rahul Ponnusamy | 369 |
| <i>Overview of the Shared Task on Hope Speech Detection for Equality, Diversity, and Inclusion</i> | |
| Bharathi Raja Chakravarthi, Vigneshwaran Muralidaran, Ruba Priyadharshini, Subalalitha CN, John Philip McCrae, Miguel Ángel García, Salud María Jiménez-Zafra, Rafael Valencia-García, Prasanna Kumar Kumaresan, Rahul Ponnusamy, Daniel García-Baena and José Antonio García-Díaz . | 378 |