Taraka Rama Kasicheyanula

RESEARCH INTERESTS

Natural Language Processing and Bayesian data analysis.

REPRESENTATIVE PUBLICATIONS

- Synthetic data for annotation and extraction of family history information from clinical text `https://doi.org/10.1186/s13326-021-00244-2`
- Neural classification of Norwegian radiology reports: using NLP to detect findings in CT-scans of children. `https://doi.org/10.1186/s12911-021-01451-8`
- Probing Multilingual BERT for Genetic and Typological Signals. `https://aclanthology.org/2020.coling-main.105.pdf`
- Regression or classification? Automated Essay Scoring for Norwegian. `https://aclanthology.org/W19-4409.pdf`
- Disentangling dialects: A neural approach to Indo-Aryan historical phonology and subgrouping `https://aclanthology.org/2020.conll-1.50.pdf`
- An automated framework for fast cognate detection and Bayesian phylogenetic inference in computational historical linguistics `https://aclanthology.org/P19-1627.pdf`
- Similarity Dependent Chinese Restaurant Process for Cognate Identification in Multilingual Wordlists `https://aclanthology.org/K18-1027.pdf`

SKILLS & TOOLS

Python, Keras, Tensorflow, scikit-learn, R programming

SERVICE

- **Computational Linguistics Conferences:** Association for Computational Linguistics (ACL), North America Chapter of ACL, International Conference in Computational Linguistics, Emperical Methods in Natural Language Processing (EMNLP).
- **Journals:** Nature, PLOS ONE, Nature Communications, Computational Linguistics, Language Dynamics and Change, PeerJ

WORK EXPERIENCE

- Walmart Global Tech: 2022–2023
- University of North Texas: 2019–2022.
- Post-Doctoral Fellow: BIGMED project with University of Oslo, Norway from 2017–2019.
- Post-Doctoral Fellow: *Language Evolution: The Empirical Turn (EVOLAEMP)* project (ERC Advanced Grant) with University of Tuebingen, Germany from November 2015 to August 2017

EDUCATION

PhD: University of Gothenburg, Gothenburg, Sweden
Masters: IIIT-Hyderabad, Hyderabad, India
Bachelors: DA-IICT, Gandhinagar, India

HONORS AND AWARDS

- Ranked **first** in:
  - VarDial 2016, 2017 shared task on dialect classification
  - SemEval-2018 shared task on multilingual emoji classification
  - CLPsych-2018 Shared Task on Predicting Current and Future Psychological Health from Childhood Essays
- Outstanding Reviewer for COLING 2018.
- Seed grant of $5,000$ USD from College of Information, University of North Texas.
- NVIDIA Academic GPU grant in 2016 and 2019.