

Eastern European model and dataset collection.

Language similarity and distillation effects transferability across languages.

EENLP: Cross-lingual Eastern European NLP Index

CONTRIBUTIONS

Dataset and model index

- We present a broad index of existing Eastern European language resources published as a GitHub repository.

Benchmark datasets

- We provide hand-crafted cross-lingual datasets for five different semantic tasks, compiled by processing data from various sources into the same format.

Baselines

- We perform several experiments with the existing multilingual models on our datasets to define performance baselines.

EENLP Index on GitHub

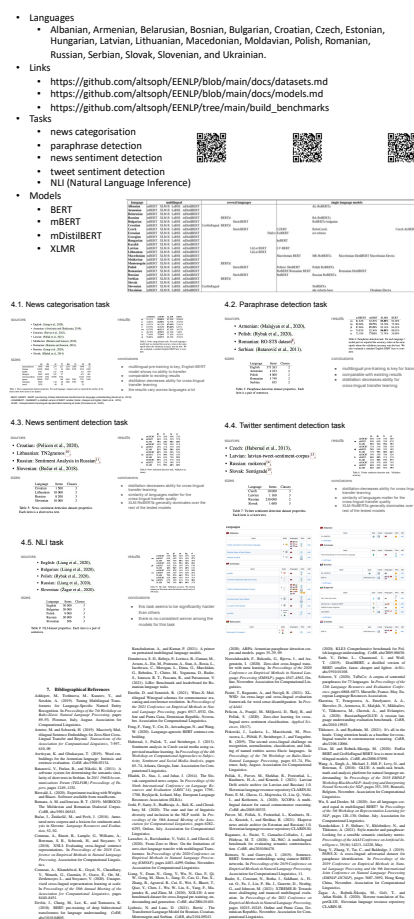


- <https://github.com/altsoph/EENLP>
- 90+ datasets, 45+ models

CONCLUSIONS

- Multilingual pre-training is crucial for cross-lingual transfer learning.
- Distillation decreases the ability for cross-lingual transfer learning.
- Similarity of languages matters for the cross-lingual transfer learning quality.
- XLNet-RoBERTa generally dominates over the rest of the tested models.

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