

The Future of Derivational Resources Panel

Marko Tadić

University of Zagreb, Faculty of Humanities and Social Sciences
marko.tadic@ffzg.unizg.hr

DeriMo2023, Dubrovnik, 2023-10-06



Large Language Models (LLMs)

- LLMs
 - are here to stay
- Can LLMs be used in detection, classification and/or description of derivational morphology phenomena?
 - clearly yes
- but for LLMs
 - we don't have any insight about maintenance, when they change...
 - for many we don't know the logic of subword segmentation
 - do they “learn”, i.e. reshape the neural network on the fly, etc. ...

Large Language Models (LLMs)

- we need strong and standardised benchmarking tools
 - to extrinsically and intrinsically evaluate the performance of LLMs (in tasks that involve derivational morphology)
 - in order to assess the quality of their language usage
- in applications of LLMs in derivational morphology
 - so far only monolingual LLMs were used
 - we should be able to test whether the multilingual or cross-lingual LLMs would contribute to their performance
 - but for that we should have a monolingual LLM for every language

Large Language Models (LLMs)

- Can we treat new words as creative usage of language when they are being generated by LLMs?
- Are we really teaching AI to master the natural language?