Using the Transformer

Post-BERT architectures



Learning goals

- Understand the developments of the post-BERT era
- Get to know different self-supervised objectives
- Understand how to tackle BERTs critical shortcomings

October 2018 - BERT

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February 2019 - GPT2

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They approach transfer learning by transforming all inputs as well as all outputs to strings and fine-tuned their model simultaneously on data sets with multiple different tasks.

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: March 2020 - ELECTRA

ELECTRA (Clark et al., 2020) introduces a discriminative pretraining strategy, allowing for a more efficient use of the pre-training corpus.

Despite requiring two models, the computational costs, for achieving a similar performance, are reduced to this gain in efficiency.

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