

Advanced Human Language Technologies

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Research Timeline



Word2Vec
Mikolov et al.

Seq2Seq
Sutskever et al.

Attention
Bahdanau et al.

Transformer
Vaswani et al.

Bert
Devlin et al.

GPT-3
Brown et al.

2013	2014	2015	2016	2017	2018	2019	2020
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Challenges



"One of the challenges of AI now is how to amplify human intelligence, and, **using language technology** [Ed.: such as semantic search and natural language processing (NLP)] and visualization to bridge the [gap] between machines and decision makers"

H. Uszkoreit, Global AI Landscape 2020

Classes



- Words Embeddings – 22nd April
- Word Classification – 29th April
- RNN - Sequence models – 6th May
- Transformers & Advanced Transformers – 13th May
- Ethics -- 20th May
- Discussion/Review -- 27th May