

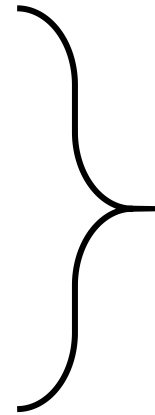
Language Models are Unsupervised Multitask Learners

Presentation for Seminar - CS399

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- Question Answering
- Machine Translation
- Reading Comprehension
- Summarization



Natural Language Processing tasks



Supervised learning on task-specific datasets

- OpenAI, an AI research lab in San Francisco, have made an attempt to address this problem through unsupervised learning.



- OpenAI



GPT-2

1,542M parameter
Transformer

- Trained on a dataset of millions of webpages called WebText.
- On CoQA dataset, it achieved 55 F1 score, without any explicit training on the dataset
- It can generate coherent paragraphs of text.
- Findings suggest a promising path towards building language processing systems which learn to perform tasks from their naturally occurring demonstrations

CoQA is a large-scale dataset for building Conversational Question Answering systems.

Language Models are Unsupervised Multitask Learners

Links	
Reference-Paper	https://cdn.openai.com/better-language-models/language_models_are_unsupervised_multitask_learners.pdf
GitHub	https://github.com/openai/gpt-2
Web	https://openai.com/blog/better-language-models/