Future of NLP + Deep Learning

GPT-1: Improving Language Understanding by Generative Pre-Training

GPT-2: Language Models are Unappervised Multitask Learners

GPT-3: Language Models are Few Shot Learners

Meta-learning

· 外子》,每川部也 川州 李台 平的走 不到 李台 3州 新生 的时间

Limitations

- 1. Do poorly on more structured problems that involve decomposing into atomic/primitive skills
- 2. Performing permanent knowledge updates interactively is not well suited
- 3. Doesn't seem to exhibit human like generalization
- 4. Language is situated and GPT-3 is merely learning from text without being exposed to other modalities

Compositional Representations and Systematic Generalization

-Systemacity (刘加): 外沙)·阿帕-思語 飞虹 熟知 略 光起 斯巨 有-Compositionality (刊台): 한 표현의 의기는 그 표현을 가하는 구성 화물의 의미와 구조조 구성

Compositional Representation

Atoms + Compounds

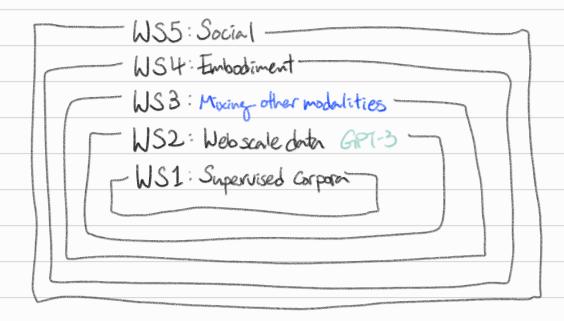
Systematic Generalization

Scale 1 (원전한 하기면까는 아님)

Improving how we coolinate models in NLP

Build (Break Fix) 반복 ... 사왕에 광적인 언어에 강간한 25%

Grounding Language to other modalities



WS: Word Scope