

20240627Meeting

In-Context Retrieval-Augmented Language Models

In-Context Learning

- 在上下文中學習
- 不需要重新訓練模型
- 透過prompts來引導模型

In-Context Learning



老虎：肉食性
羊：草食性
鱷魚：肉食性
請問馬是？

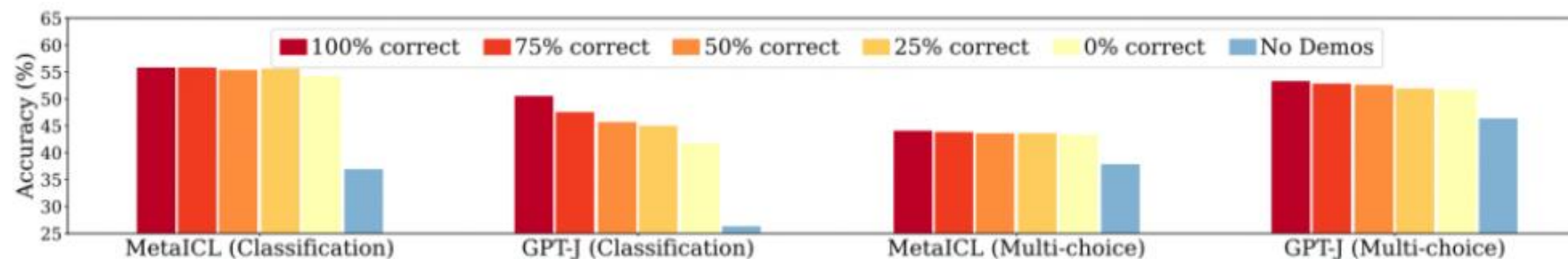


馬是：草食性。

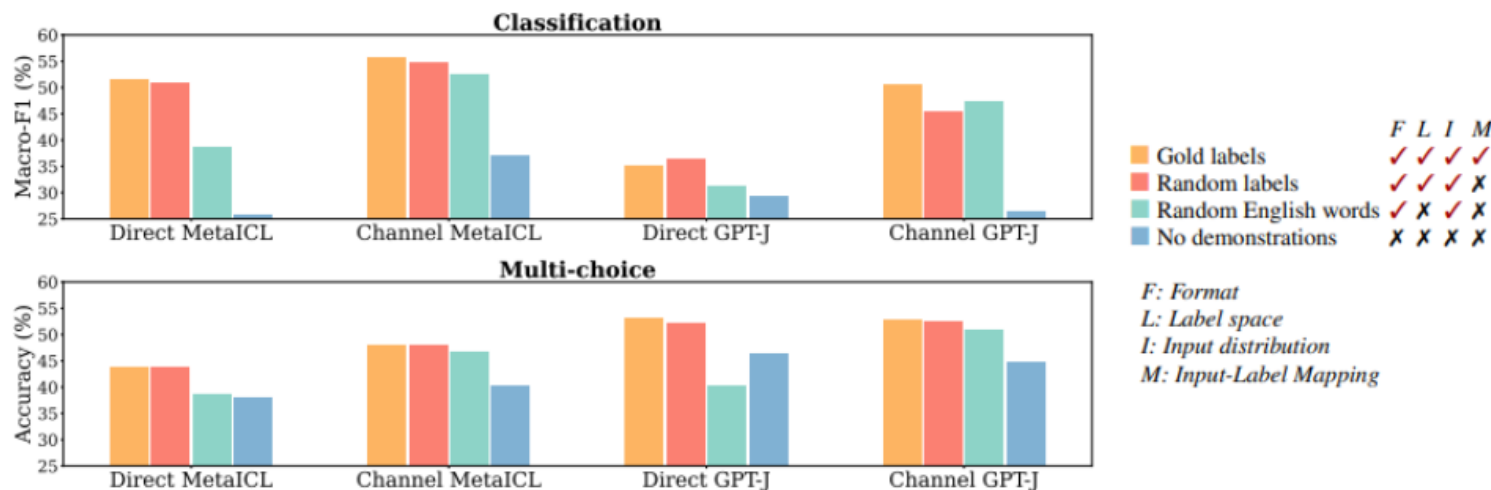
- 教會模型學習特定的表達風格

In-Context Learning

- 給定的標籤正確性對結果的影響不大



- 隨機替換資料的標籤，沒有保持一致性，其測試結果模型表現就明顯下降



RALM system

- Document selection : selecting the set of documents upon which to condition
- Document reading : determining how to incorporate the selected documents into the LM generation process

In-Context Retrieval-Augmented Language Modeling(RALM)

- Existing RALM : modifying the LM architecture
- In-Context RALM : leaving the LM architecture unchanged and prepending grounding documents to the input