**LLM Survey paper:**

4 types of lms  
i) statistical lms (based on probability of n-1 grams n th gram is generated)

ii)Neural lms (vectors embedding)

iii)Pre-trained lms

iv)LLMs (NLMs on massive data eg;PaLM)

LLM capabilities:

Emerging: In-context learning, Reasoning, Instruction tuning