**NLP in the Era of LLMs**

Research Questions

* Train ML model to predict the next word
  + Feed-forward
  + Rnn
  + Lstm
  + Transformer
* Make better
  + Have large context window
    - Attention mechanism
  + Use large context model in order to find the correct context of the answer
  + Language understanding requires more structure information
  + Go beyond memorizing data
* Groups
  + Human-in-the-loop
  + Machine-in-the-loop
* Hallucination
  + Model may not output truth
  + Depends on user intention
* Stochastic parroting