NLP Tasks: Named Entity Recognition (NER)

 Named entity recognition, or NER, is a task in which we try to predict entity tags for the words/tokens in a sentence. This is a critically important capability in modern NLP systems, for example chatbots, where the presence/absence of key pieces of information from a user will dictate what action the bot needs to take to achieve

Example:

some goal.

Named Entity Recognition (NER) leaderboard

Credit: Spacy website

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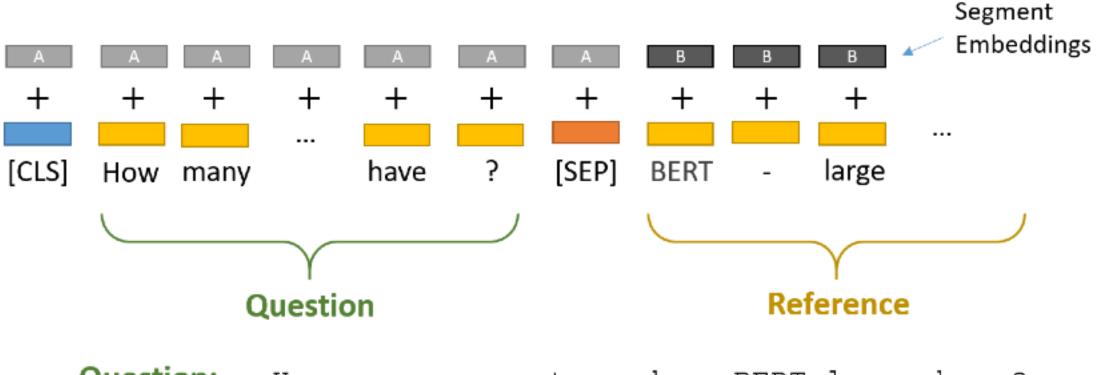
• Example:



Named Entity Recognition (NER) leaderboard

NLP Tasks: Question Answering (QA)

- Question answering is a task by which we automate the selection of a span of text in some corpus that answers some question.
- SQuAD V2.0 is the current benchmark task for evaluating and comparing models.
- Model performance eclipsed human level performance circa 2018.
- Example:



Question: How many parameters does BERT-large have?

Reference Text: BERT-large is really big... it has 24 layers and an embedding size of 1,024, for a total of 340M parameters! Altogether it is 1.34GB, so expect it to take a couple minutes to download to your Colab instance.