



# 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 some goal.

- Example:

# Named Entity Recognition (NER) Lead

**Apple** **ORG**

is looking at buying

**U.K.**

**GPE**

startup for

**\$1 billion**

**MONEY**

**credit:spacywebsite**

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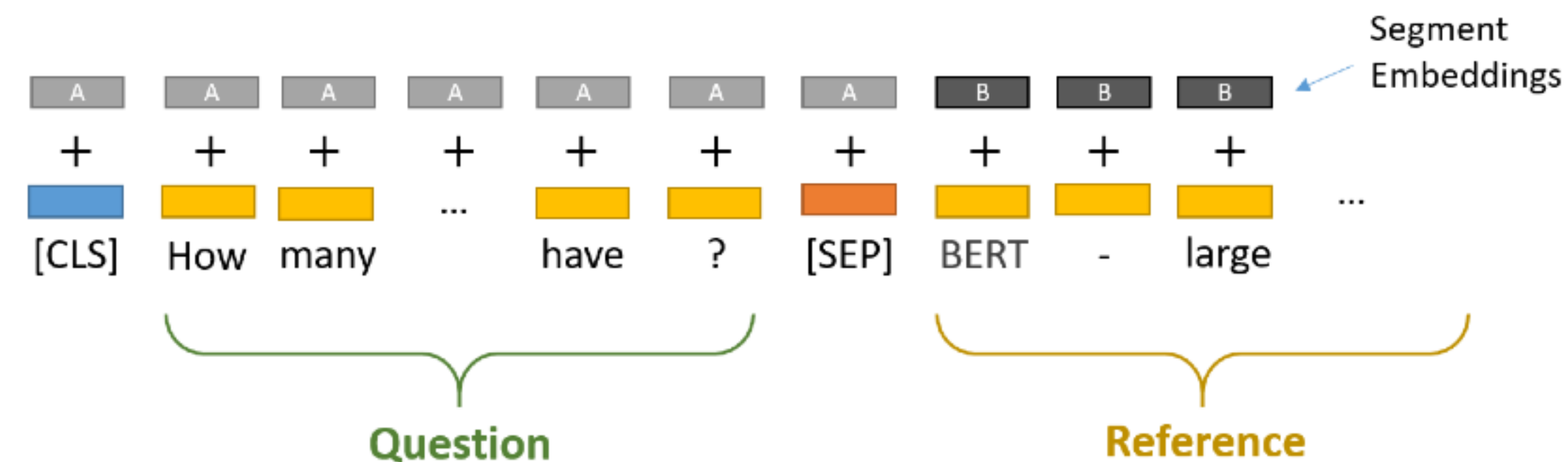
Named Entity Recognition (NER) leaderboard



# 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.