

NLP and the Web - Lecture 13 Q&A Session

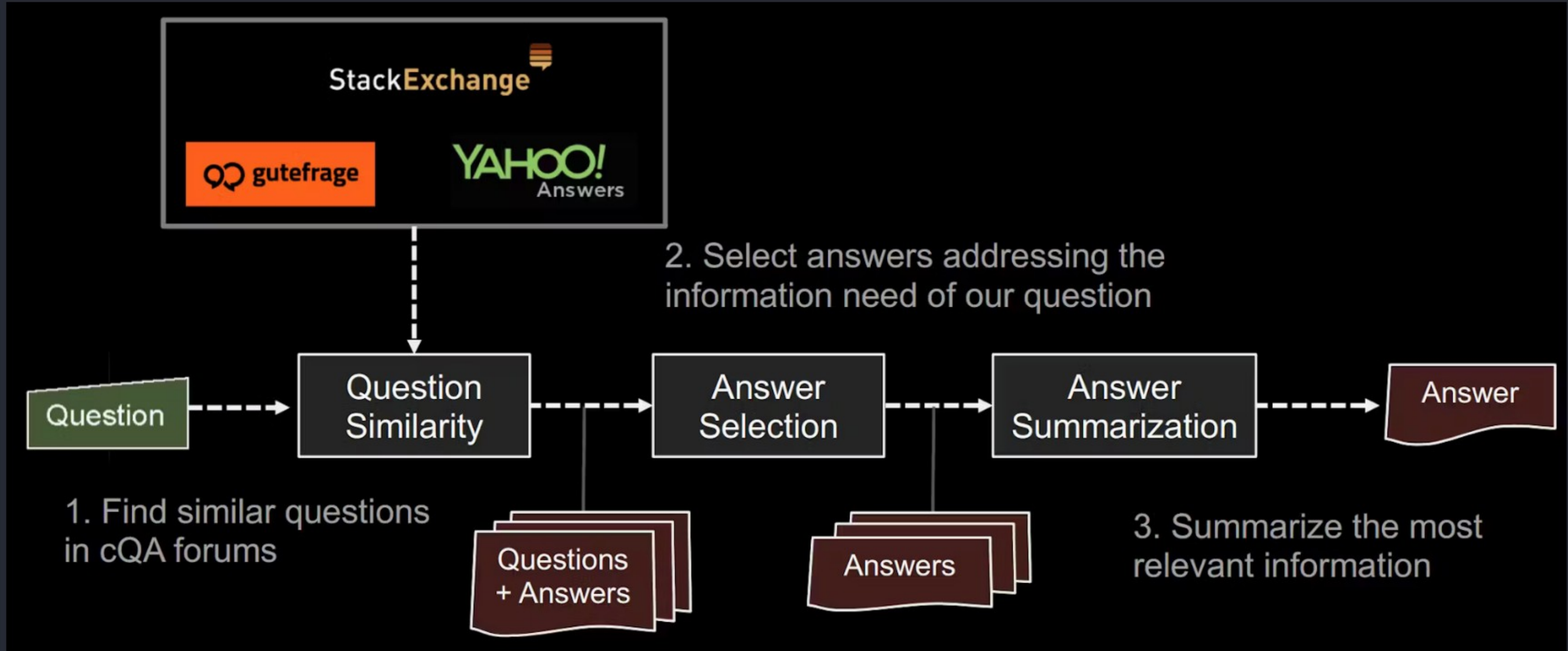
Use your phone / tablet / second screen to participate

Agenda for today

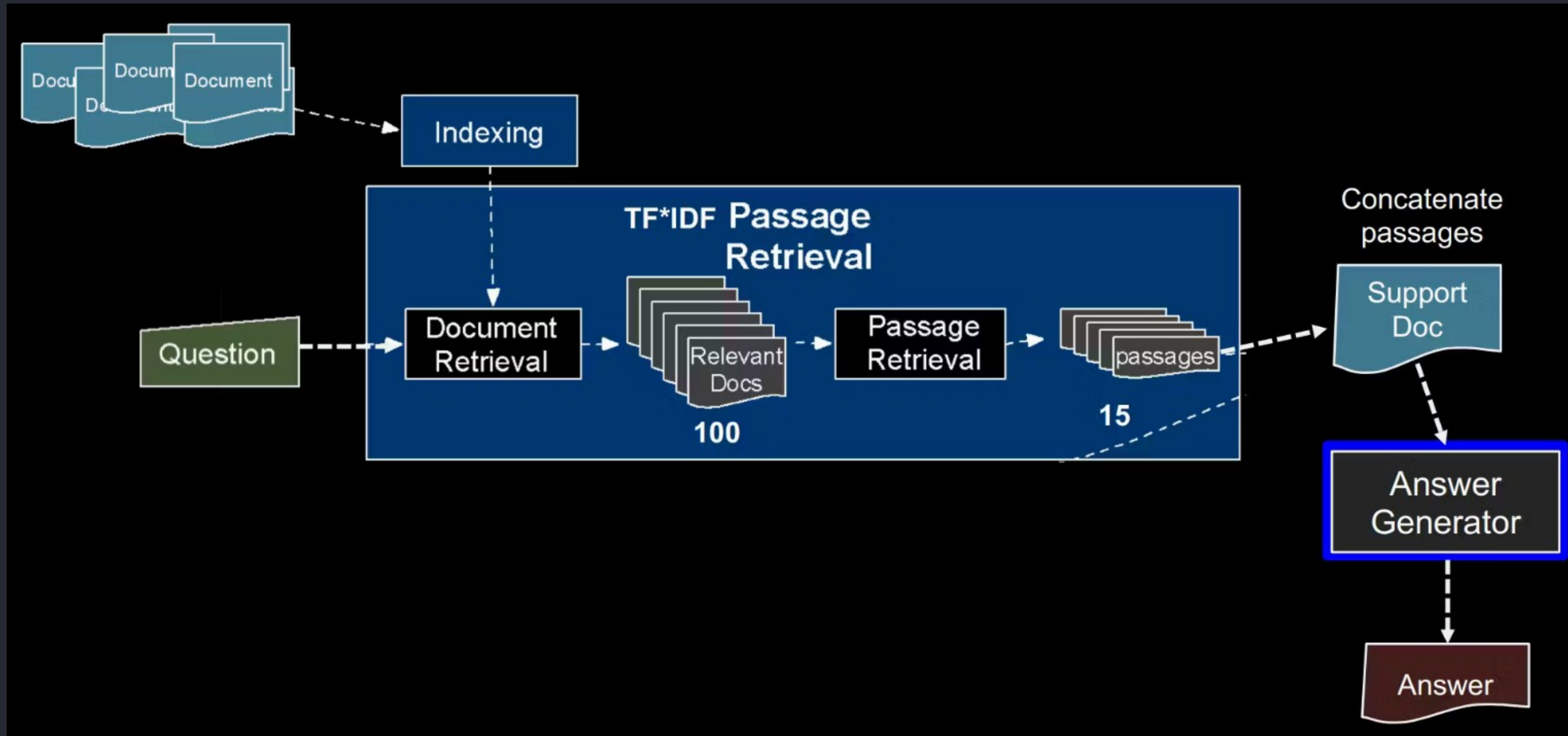
- Quick recap
- Quizzes
- Discussion
- Questions

Question Answering II

- Non-factoid question-answering
- Community QA
- Long-form QA
- Hybrid QA

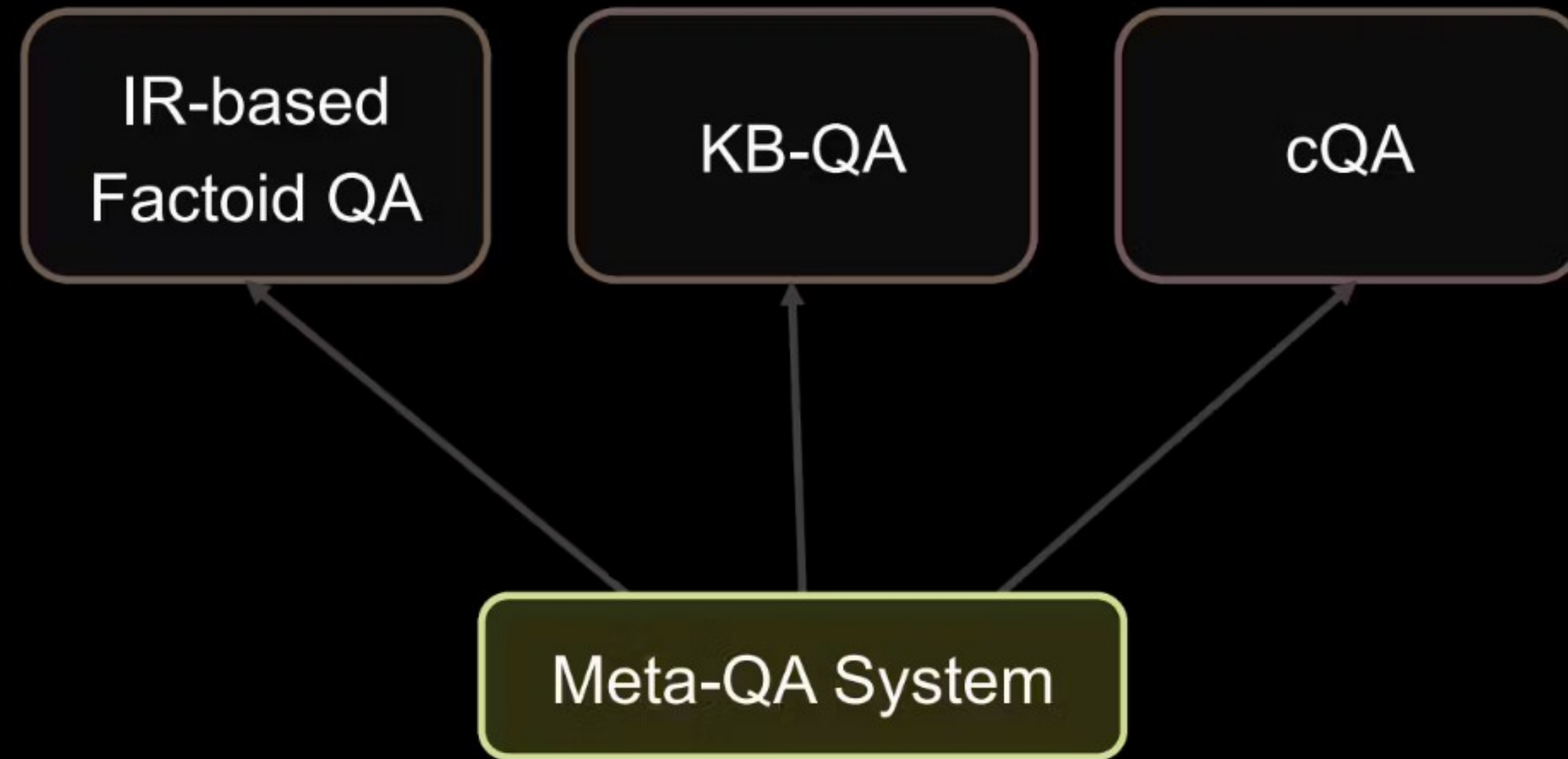


Community QA (cQA)



Long-form QA





Hybrid QA

cQA

What were the best
film sets in Iceland?

Why do people drink tomato
juice on airplanes?

Factoid QA

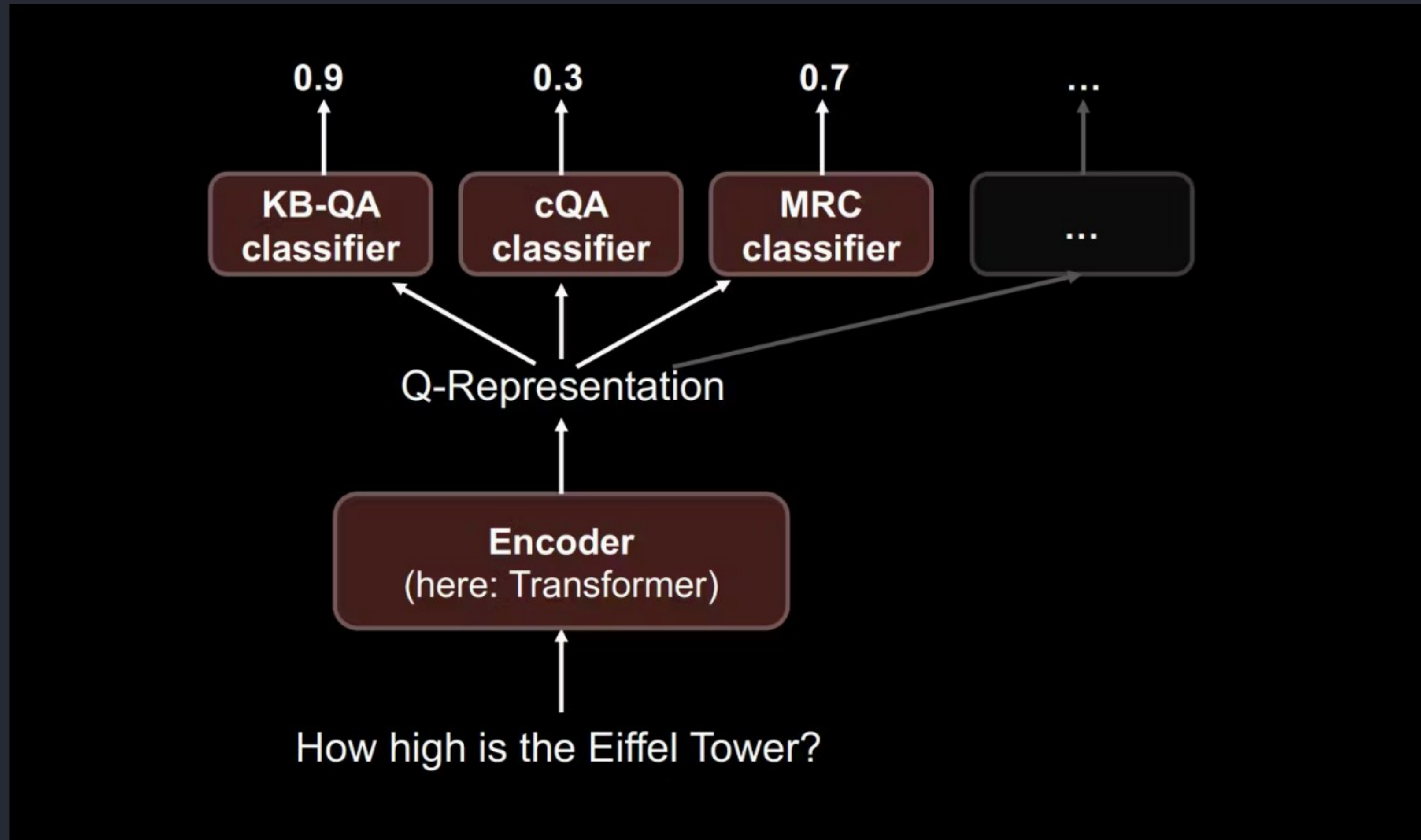
Use factoid QA
agent!

How high is the
Eiffel Tower?

Who is the mayor
of Tel Aviv?

Hybrid QA approach - KNN





Hybrid QA approach - TWEAC

Any questions?

1 question
0 upvotes



Please enter the quiz
on www.menti.com

Question 1

You visit a trendy clothing store and search for an answer from an elderly salesperson.



"Excuse me, where can I find cool hats?"

"You want to fool cats? This is a clothing store, young chap, not a pet shop!"

"No, you heard wrong - I want a flexible cap!"

"You want a lexical gap? By golly! Do you even know what that is?"

(What is a "lexical gap" in the context of QA?)



What is a "lexical gap" in the context of QA?



Leaderboard



Question 2

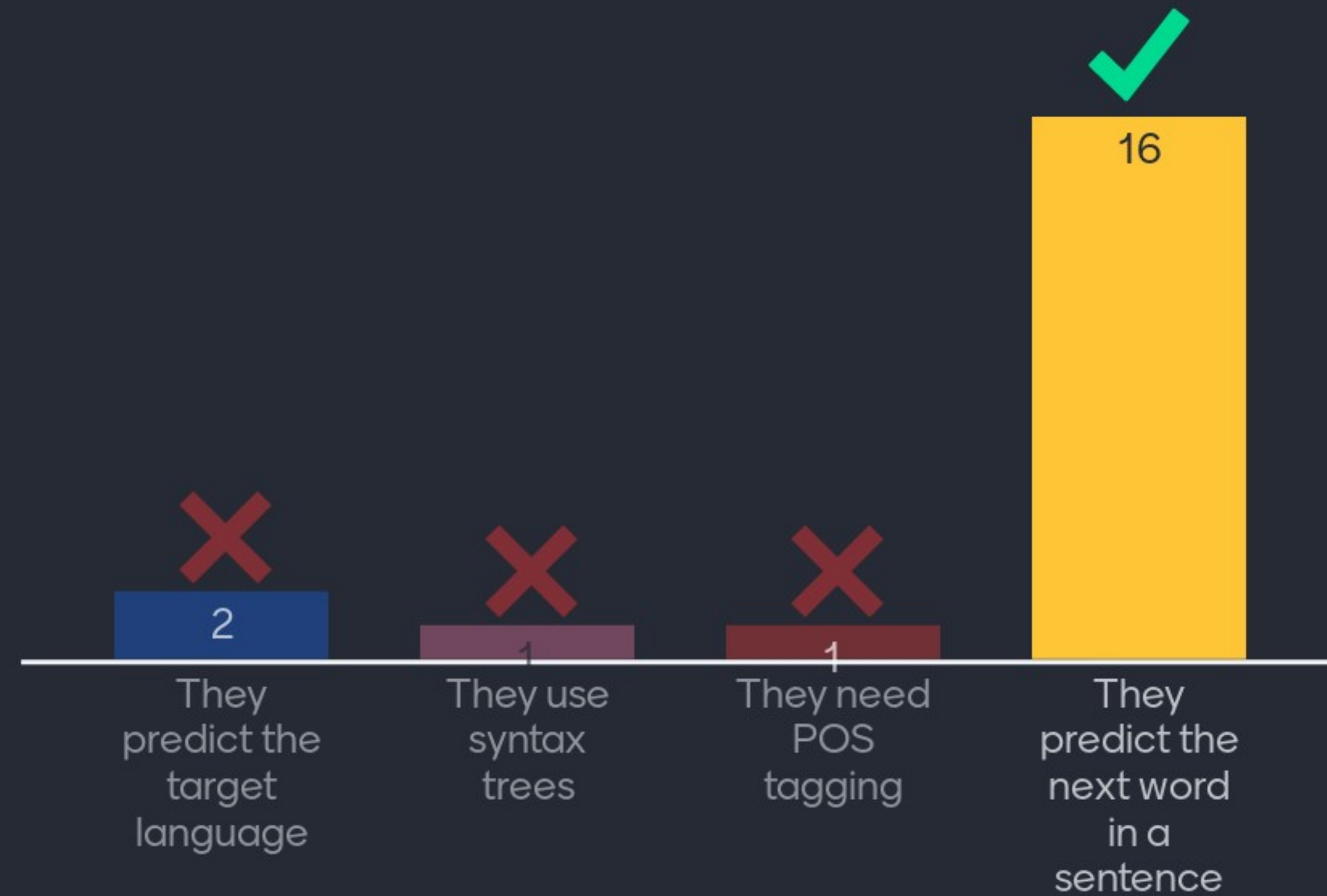
It was one of these dark November days, where the only light was the reflection of broken neon signs through my dirty window, and the only joy was the cheap whiskey, which let me forget my miserable life at least for a minute.

My clients kept talking and talking, these damn Language Models. I hated them from the moment they entered my office, and the main reason was...

(Which of the following sentences fits Language Models?)



Which of the following sentences fits Language Models?



Leaderboard



Question 3

IR, Q&A and NLP
RNN, MDS, and NMT

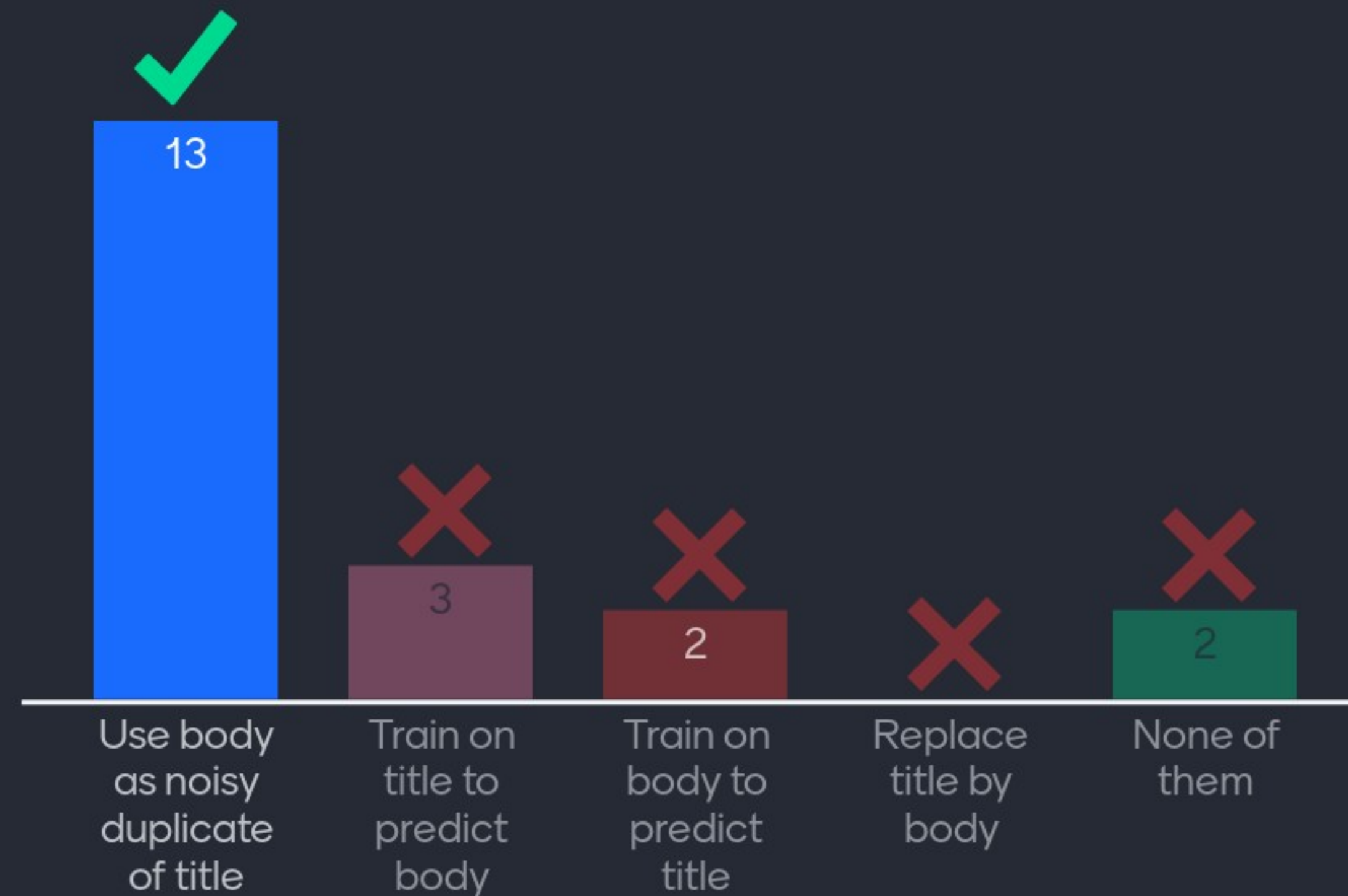
TF, IDF, and SVM
ML, MDS, LSTM

NLTK, and GPT
And what's the main idea of SSTB?

(What is the main idea of SSTB (self-supervised training with title-body pairs))?



What is the main idea of self-supervised training with title-body pairs (SSTB)?



Leaderboard



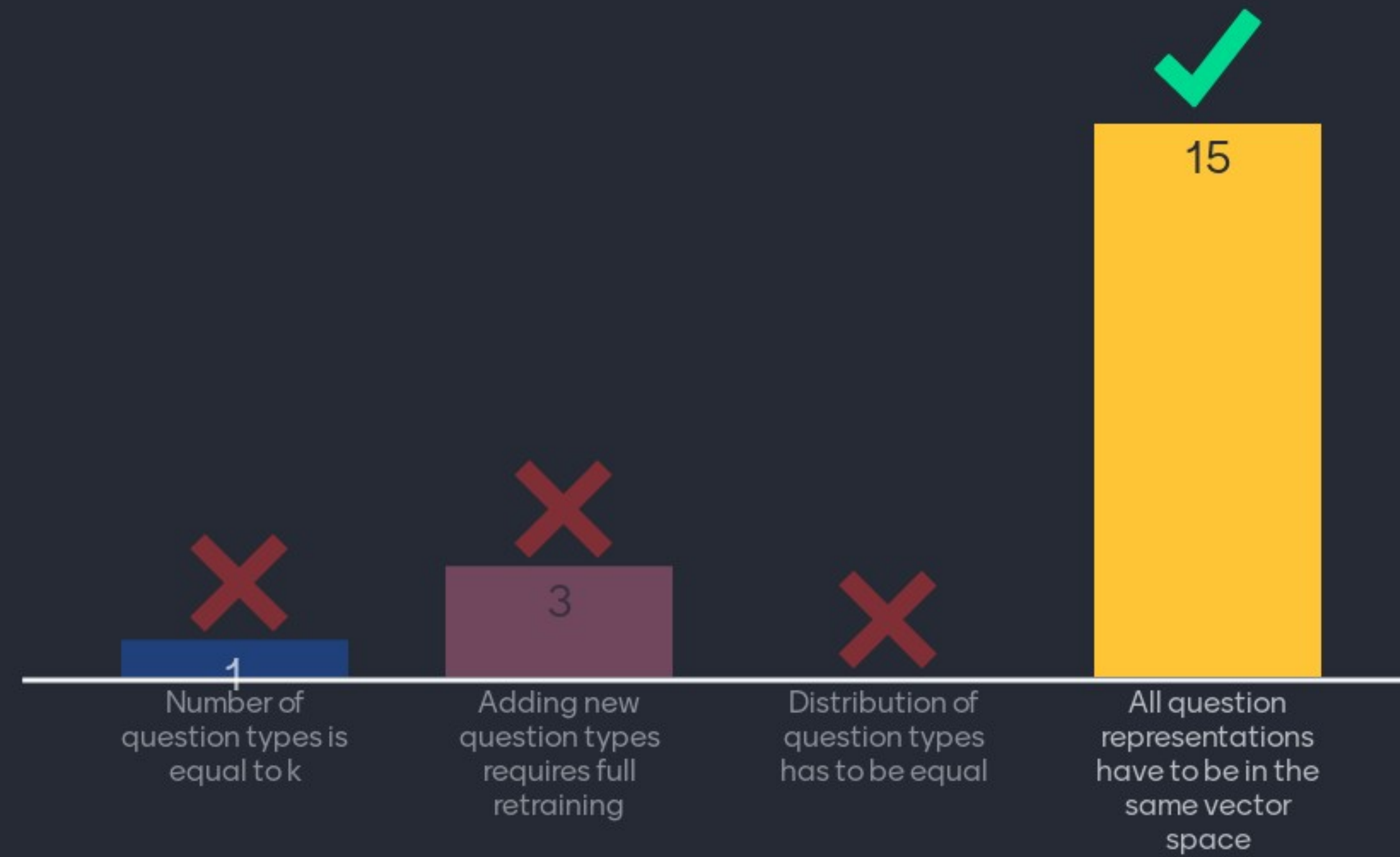
Question 4

...and this concludes our exciting documentary about the 1000 best Norwegian oil rig jokes. We will soon continue our program with the game show "Solitaire for Two", but first, let's hear our CNN correspondent with the latest news!

... I am sorry, I just hear that our correspondent is not from CNN, but from KNN? What even is that?

(Which of the following sentences about KNN is correct)?

Which of the following sentences about KNN is correct?



Leaderboard



Any questions?

1 question
0 upvotes

Discussion Question

So far, answers from a QA system can be either right or wrong, and that is the only dimension we evaluate.

In the context of QA systems, what other dimensions can you think of when deploying a QA system in the public?



Other dimensions

- Processing speed
- Explainability / Reasoning
- Ethical implications / Bias



Online demos

<https://allenai.org/demos>



Any questions?

1 question
0 upvotes

Next week: Exam Preparation

Live in Zoom

