

START OF QUIZ

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Question 1

Topic: Lecture 8

Source: Lecture 8

Do you think we could use word embeddings for coreference resolution? What kind of assumptions would we be making, and why do you think it might still be a very difficult task?
(2)

Question 2

Topic: Lecture 8

Source: Lecture 8

Describe the recency criterion for anaphor resolution. Why can't we just backtrack from the current word (at least in English)? (2)

Question 3

Topic: Lecture 5

Source: Lecture 5

We've seen co-occurrence matrices weighted by TF-IDF- would it make sense to weight them by PMI? Briefly explain. (1)

Question 4

Topic: Lecture 6

Source: Lecture 6

We took a look at how vectors can be added / subtracted in vector space. Why does this work? (hint: think back to the general properties of word embeddings that we've wanted from the very start) (1)

Question 5

Topic: Lecture 7

Source: Lecture 7

Why are we interested in backward-facing centers (Cb). Why not just consider the entities in the current sentence? (1)

Question 6

Topic: Lecture 7

Source: Lecture 7

The TextTiling algorithm we looked at just looked at raw word overlap (possibly with stop-word removal). Describe a way that we could improve the algorithm to maximize coverage.
(2)

Question 7

Topic: Lecture 6

Source: Lecture 6

What is the purpose of negative sampling in a Word2Vec model? (1)

Question 8

Topic: Lecture 5

Source: Lecture 5

What is the primary assumption of the vector space model for semantics, regardless of how it's implemented? (1)

Question 9

Topic: Coding

Source: Coding

Draw the RST Tree of the following paragraph: Although Henry was a professor of archeology, he didn't really like teaching. He preferred to go on adventures, searching for lost artifacts. Sometimes, this meant he had to fight Nazis, and one time, aliens. But he saved the world a few times, so the University was ok with it. (3)

END OF QUIZ