

START OF QUIZ

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Question 1

Topic: Lecture 5

Source: Lecture 5

Generally speaking, why are we not interested in negative PMI? (1)

Question 2

Topic: Lecture 7

Source: Lecture 7

We took a look at 2 different ways of implementing the TextTiling algorithm - one with vector overlap, and one with BERT. Can you think of how we might modify the algorithm further to strengthen up its weaknesses? (No is not a valid answer.) (2)

Question 3

Topic: Lecture 8

Source: Lecture 8

What tools are required to build an entity grid? (not structures - matrices, etc. are interesting, but I'm asking what kind of NLP tools are necessary to fill the grid - there are at least 2.) (1)

Question 4

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 5

Topic: Lecture 6

Source: Lecture 6

Think back to week 1 of this block when we were doing word sense disambiguation. Do you think there would be benefits or disadvantages to disambiguating all words before running word2vec? Explain. (2)

Question 6

Topic: Lecture 7

Source: Lecture 7

Why do you think that pronouns must be high salience items from previous sentences? (1)

Question 7

Topic: Lecture 6

Source: Lecture 6

What are two significant shortcoming of the Word2Vec model? (1)

Question 8

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 9

Topic: Long

Source: Lecture 8

Draw the RST Tree of the following paragraph (you can use the parenthetical notation we used in class): 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. He time-traveled once, too. But he saved the world a few times, so the University was ok with it. (3)

END OF QUIZ