

START OF QUIZ

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Question 1

Topic: Lecture 5

Source: Lecture 5

When we were calculating PMI of a symmetric matrix, why is it not a case of double counting the word in our document? ie., why do the counts of (attorney, fun) and (fun, attorney) not count as two counts each of attorney and fun (such as when we are calculating the total sum of the matrix? (2)

Question 2

Topic: Lecture 6

Source: Lecture 6

Why do we say that the analogy task is an "intrinsic" evaluation of our word embeddings? (1)

Question 3

Topic: Lecture 7

Source: Lecture 7

What is the difference between coherence and cohesion? (1)

Question 4

Topic: Lecture 5

Source: Lecture 5

Which is likely to have the lowest PMI? A rare word and a frequent word that appear together frequently, or two frequent words that appear together frequently? (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 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 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 8

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 9

Topic: Coding

Source: Coding

Identify the shifts in the following discourse (show your work): Jonathan Harker was a solicitor from England. He was sent to Transylvania to meet with the mysterious Count Dracula. Dracula wanted to buy property in London. That's where all the wealthiest nobles lived. Dracula had other plans, too, but Harker didn't know that. (3)

END OF QUIZ