

**START OF QUIZ**

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## Question 1

Topic: Lecture 5

Source: Lecture 5

What is PMI measuring? That is, what does it mean for two words to have high PMI? (1)

## Question 2

Topic: Lecture 7

Source: Lecture 7

How is the TextTiling algorithm similar to the Lesk algorithm? How is it different? (2)

### Question 3

Topic: Lecture 5

Source: Lecture 5

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

## Question 4

Topic: Lecture 7

Source: Lecture 7

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

## Question 5

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 6

Topic: Lecture 6

Source: Lecture 6

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

## Question 7

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 8

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 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**