

**START OF QUIZ**

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## Question 1

Topic: Lecture 8

Source: Lecture 8

Describe a Discourse Unit. (1)

## Question 2

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 3

Topic: Lecture 7

Source: Lecture 7

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

## Question 4

Topic: Lecture 5

Source: Lecture 5

In class, we talked about how a "typical" dimensionality for embeddings is in the range of 100-500. What might be some consequences if we estimated too low or too high? (2)

## 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 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 7

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 8

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 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**