

# 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 6

Source: Lecture 6

Explain why extrinsic evaluation can be a much more desirable method of evaluating the quality of word vectors than intrinsic evaluation (we didn't have this in the slides, (2)

## Question 4

Topic: Lecture 5

Source: Lecture 5

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

## Question 5

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 6

Topic: Lecture 7

Source: Lecture 7

Explain salience with respect to entities in a sentence (ie, when identifying Cf). (1)

## Question 7

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 8

Topic: Lecture 7

Source: Lecture 7

Explain the underlying assumption of the TextTiling algorithm. (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**