START OF QUIZ
Student ID:
97168009,Shankar,Ashwin

Question 1

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 2

Topic: Lecture 8
Source: Lecture 8

Describe a Discourse Unit. (1)

Question 3

Topic: Lecture 8
Source: Lecture 8

What is an anaphor? (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

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

Question 6

Topic: Lecture 7
Source: Lecture 7

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

Question 7

Topic: Lecture 7
Source: Lecture 7

Explain the underlying assumption of the TextTiling algorithm. (1)

Question 8

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 9

Topic: Coding
Source: Coding

Imagine we were trying to find a word that is the best prototype of its synonyms. Write a short function that grabs the lemmas of each synset in wordnet, and calculates which lemma is the best prototype (ie, which lemma is the closest to the centroid of the synset) by using the word embeddings. Ignore words that do not have embeddings in gensim. (3)

END OF QUIZ