START OF QUIZ
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Question 1

Topic: Lecture 3
Source: Lecture 3

Imagine that we came across the word "extrambulate" in the following sentence: "Realizing that she was going to be late for the bus, Jane extrambulated to the stop." What verb class does this verb belong to? What are 2 features that distinguish it from the prototype of the class? (1)

Question 2

Topic: Lecture 1
Source: Lecture 1

Explain one way that NER tagging is similar to POS tagging, and two ways it's different. (1)

Question 3

Topic: Lecture 1
Source: Lecture 1

Imagine that we were using the Viterbi algorithm to ensure that our sequence of NER tags is valid. What might the scores in the transition matrix look like? (2)

Question 4

Topic: Lecture 2
Source: Lecture 2

Consider the following sentences: "James married Joyce in 2010. Their son Ulysses was born in 2013. In 2015, James and Joyce divorced." Extract all of the RDF triples you can from the sequence. (2)

Question 5

Topic: Lecture 2
Source: Lecture 2

What are the steps necessary for normalizing temporal events? (1)

Question 6

Topic: Lecture 3
Source: Lecture 3

Give an example of a sentence where the subject is also the theme of the sentence (hint: it might have a special sentence structure). (1)

Question 7

Topic: Lecture 4
Source: Lecture 4

Can you think of a way to combine the two neural SRL models we looked at in class? (1)

Question 8

Topic: Lecture 4
Source: Lecture 4

If we were to attempt joint NER and SRL, how would we set up the model? Describe the input, the architecture, and the output. (2)

Question 9

Topic: Coding
Source: Lecture 4

Assume that our fancy SR labeler has been run on the following sentence: "Do androids dream of electric sheep?" Imagine that we ran the sentence with 2 different predicates: "dream" and "do", and obtained the following scores. NP1 = (NP(NNs androids)) NP2 = (NP(JJ electric NNS sheep)) NP3 = (PP(of (NP2)) do: NP1: 0.5, 0.3 NP2: 0.3, 0.5 NP3: 0.2, 0.4 dream: NP1: 0.4, 0.6 NP2: 0.2, 0.3 NP3: 0.4, 0.7 Assuming the standard constraints we talked about in class, what is the most likely parse? Show your work! (3)

END OF QUIZ