

START OF QUIZ

Student ID:

68022458,Chan,Douglas

Question 1

Topic: Lecture 4

Source: Lecture 4

Along with the features described in class for non-neural SRL, suggest 2 other features that we could use. (1)

Question 2

Topic: Lecture 1

Source: Lecture 1

Why are CRFs generally preferable to HMMs when it comes to NER? (1)

Question 3

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 4

Topic: Lecture 2

Source: Lecture 2

Identify the events in the following sentences, and place them in order. Identify the cues you used to determine the order. Every morning, on my walk to the University, I read an audiobook while watching for birds. I start up my laptop after I get to class, and then wait for students to arrive so I can start the lecture. (2)

Question 5

Topic: Lecture 3

Source: Lecture 3

Thinking in terms of vector semantics, do you think that each dimension of word embeddings could be considered a “semantic fundamental” (like “speaking”, “load”, “incoherent”, etc.). Briefly explain. (1)

Question 6

Topic: Lecture 1
Source: Lecture 1

What lexical features might you use to identify the named entities in the following sentences? “Ronald Reagan? The actor? Then who’s Vice-President, Jerry Lewis? I suppose Jane Wyman is the First Lady! And Jack Benny is Secretary of the Treasury!” (At least 2)
(1)

Question 7

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 8

Topic: Lecture 3

Source: Lecture 3

How might theta roles help in the task of anaphora resolution? (1)

Question 9

Topic: Coding

Source: Lecture 3

Identify all of the theta-roles in the following sentences: It all began with the forging of the Great Rings. Three were given to the Elves; immortal, wisest and fairest of all beings. Seven were handed to the Dwarf Lords, great miners and craftsmen of the mountain halls. And nine, nine rings were gifted to the race of Men, who above all else desire power. For within them was bound the strength and will to govern each race. But they were all of them deceived... for another ring was made. (3)

END OF QUIZ