

START OF QUIZ

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Question 1

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 2

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 3

Topic: Lecture 3

Source: Lecture 3

Roles like “Subject / Object” don’t translate very well across some languages (most notably between Nominative-Accusative languages like English, and Ergative-Absolutive languages, like Basque). Do you think that semantic roles are more likely to be consistent? Briefly explain why or why not. (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 1

Source: Lecture 1

Give a BIO tagging of the following sentence: “On the 24th of February 1815, the lookout at Notre-Dame de la Garde signalled the arrival of the three-master Pharaon, coming from Smyrna, Trieste and Naples.” (2)

Question 6

Topic: Lecture 2

Source: Lecture 2

Explain how relation extraction and named entity recognition are related, and how they differ. (1)

Question 7

Topic: Lecture 4

Source: Lecture 4

It makes sense that NPs can be arguments for theta-roles, but why do we also consider PPs?
(1)

Question 8

Topic: Lecture 1

Source: Lecture 1

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

Question 9

Topic: Coding

Source: Lecture 1

In class, we briefly mentioned that F1 score may be too harsh for NER (If our model finds part of an entity, it should get partial credit). Write code that calculates this more generous measure. If the system discovers the first word in the entity (ie, "Charles" for "Charles M. Burns"), it should get 0.5 points, instead of the full 1 point it would get for the whole name. (We'll stick to the first word, only - if we consider any part, it gets tricky: what if our system identifies "Charles" and "M. Burns" as two separate entities?) (3)

END OF QUIZ