

START OF QUIZ

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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

Briefly describe the difference between micro- and macro-F1, which one is more appropriate for NER tagging, and why. (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

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 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 6

Topic: Lecture 1

Source: Lecture 1

Briefly explain the role of a gazetteer, and one way of creating one. (1)

Question 7

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 8

Topic: Lecture 2

Source: Lecture 2

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

Question 9

Topic: Coding

Source: Lecture 2

Write code that uses a list of RDF triples to discover more through bootstrapping. (3)

END OF QUIZ