

START OF QUIZ

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Question 1

Topic: Lecture 1

Source: Lecture 1

What is the relationship between a fruit and a banana?

Question 2

Topic: Lecture 2

Source: Lecture 2

What is the meaning of "One document, one sense" as it applies to Word Sense Disambiguation? (1)

Question 3

Topic: Lecture 4

Source: Lecture 4

In class, we went over some common OWL and RDFS constraints that we can place on predicates, but we only ever attached one. Can you think of any instances of bivariate (ie, two parameter) predicates that could use multiple constraints? If so, briefly describe the predicate and its constraints, and if not, briefly describe why this is unnecessary. (2)

Question 4

Topic: Lecture 1

Source: Lecture 1

Define the LCS. Why is it important for calculating word similarity? (2)

Question 5

Topic: Lecture 4

Source: Lecture 4

Some verbs in English can take either one or two objects (such as "see" - I see a bird vs. I see a bird with binoculars). Explain, in terms of lambda calculus, why we would need separate predicates for these different uses of "see". (2)

Question 6

Topic: Lecture 3

Source: Lecture 3

Given that A is True, B is True, and C is True, list 3 complex statements that are true, and 2 that are false.

(1)

Question 7

Topic: Lecture 2

Source: Lecture 2

How are tools like the General Inquirer or LIWC used to perform content analysis? (1)

Question 8

Topic: Lecture 3

Source: Lecture 3

What is the Modus Ponens conclusion available from the following statements (if Modus Ponens does not apply, state so) Explain. Examples: A: Only humans attend University. B: Bill attends University; C: ?; A: All red cars are fast. B: Alice's car is blue. C: ?; A: Cheese is made from milk B: Mice like cheese. C: ?; A: Rain is necessary for plants to grow. B: It has not been raining. C: ? (1)

Question 9

Topic: Long

Source: Lecture 3

Write an FOL representation for the following sentences: Oranges are sweet, but some lemons are sweeter. Remakes of movies are always disappointing. Flying monkeys cannot exist. Not all cloudy days produce rain.

END OF QUIZ