

START OF QUIZ

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Question 1

Topic: Topic1

Source: Lecture 1

What is the relationship between a book and a novel?

Question 2

Topic: Topic2

Source: Lecture 2

What is the underlying assumption of the Lesk Algorithm?

Question 3

Topic: Topic4

Source: Lecture 4

What is the purpose of an ontology?

Question 4

Topic: Topic3

Source: Lecture 3

Prove that $A \leftrightarrow B \iff A \rightarrow B \text{ and } B \rightarrow A$

Question 5

Topic: Topic3

Source: Lecture 3

Given the following ambiguous sentence, give both meanings in unambiguous FOL. The garbage truck has four wheels and flies.

Question 6

Topic: Topic1

Source: Lecture 1

Why is Wu-Palmer similarity more reliable than path similarity?

Question 7

Topic: Topic2

Source: Lecture 2

Describe why the “most frequent sense” baseline is so strong. What are some assumptions that it makes?

Question 8

Topic: Topic4

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”.

Question 9

Topic: Coding

Source: Lecture 2

Write a function that transforms a sentence into a feature vector containing the following features: the first word before and after the word of interest that isn't a stopword, and any verbs in the sentence.

END OF QUIZ