

START OF QUIZ

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Question 1

Topic: Topic3

Source: Lecture 3

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

Question 2

Topic: Topic4

Source: Lecture 4

Make a brief argument about whether WordNet should be considered an ontology or a knowledge base.

Question 3

Topic: Topic3

Source: Lecture 3

Describe the effect that negation has on other logical operators - specifically, conjunction, disjunction, existence, and universality. You don't need to write this in FOL - a couple sentences are fine.

Question 4

Topic: Topic4

Source: Lecture 4

How would you describe the following sentence in FOL (you don't need to write the FOL statement - just describe how it would be structured)? Before running, you must learn to walk.

Question 5

Topic: Topic2

Source: Lecture 2

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

Question 6

Topic: Topic1

Source: Lecture 1

Why are antonyms conditioned on lemmas, instead of synsets?

Question 7

Topic: Topic2

Source: Lecture 2

In class, I mentioned that we rarely do WSD explicitly, because we would need one model per word. In COLX 521, we saw that we could lemmatize words to reduce them to a common form. Why couldn't we do something similar (like reducing all synonyms to a common hypernym) for WSD?

Question 8

Topic: Topic1

Source: Lecture 1

What is the relationship between sour and sweet?

Question 9

Topic: Coding

Source: Lecture 1

Write a function that sorts synonyms based on their Wu-Palmer similarity. ie, it takes a word as input, finds its synsets, and then sorts them by their WP similarity.

END OF QUIZ