

START OF QUIZ

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Question 1

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)? While seeking revenge, dig two graves - one for yourself

Question 2

Topic: Topic2

Source: Lecture 2

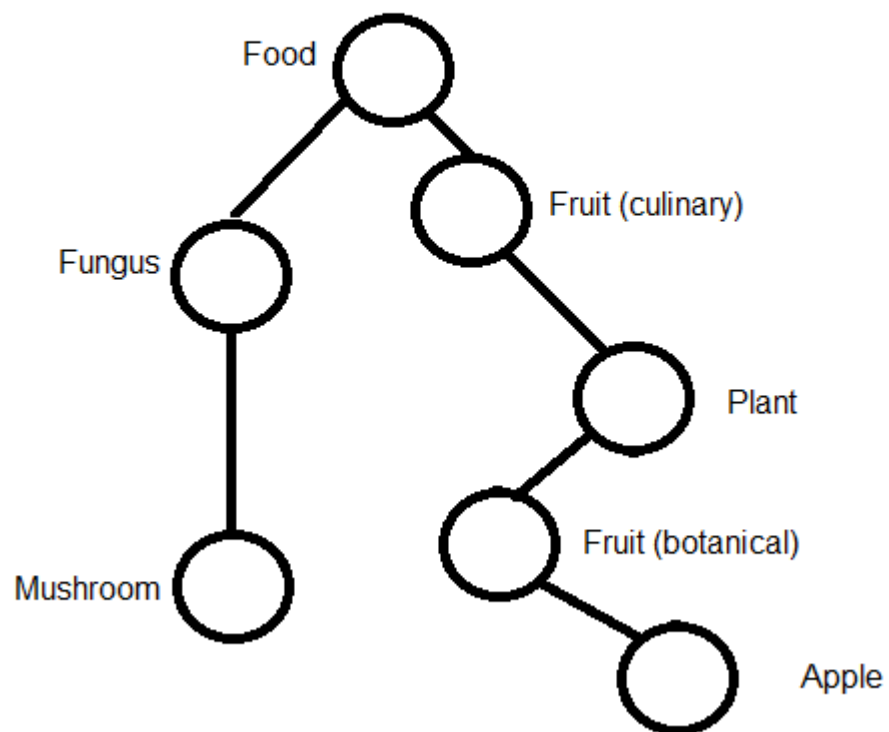
How are tools like the General Inquirer or LIWC used to perform content analysis?

Question 3

Topic: Topic1

Source: Lecture 1

Given the following tree, what is the path similarity between the two leaf nodes?



Question 4

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 5

Topic: Topic1

Source: Lecture 1

Define the LCS why is it important for calculating word similarity?

Question 6

Topic: Topic3

Source: Lecture 3

What is the Modus Ponens conclusion available from the following statements? If Modus Ponens does not apply, state so. It doesn't rain when it is sunny. It is cloudy.

Question 7

Topic: Topic3

Source: Lecture 3

Do we need both $\&$ and $\|$, or could we use some other operations to represent all complex information with just one of them (either one)? Briefly explain.

Question 8

Topic: Topic4

Source: Lecture 4

In class, we've discussed links in an ontology as positive predicates. Do you think it is worthwhile to create negative predicates (ie, Hamlet is not alive), etc.? What might be some benefits and disadvantages of such an approach, and does one outweigh the other?

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