START OF QUIZ
Student ID:
64243512,ZENG,Min

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)? You have to dream before your dreams can come true.

Question 2

Topic: Topic2
Source: Lecture 2

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

Question 3

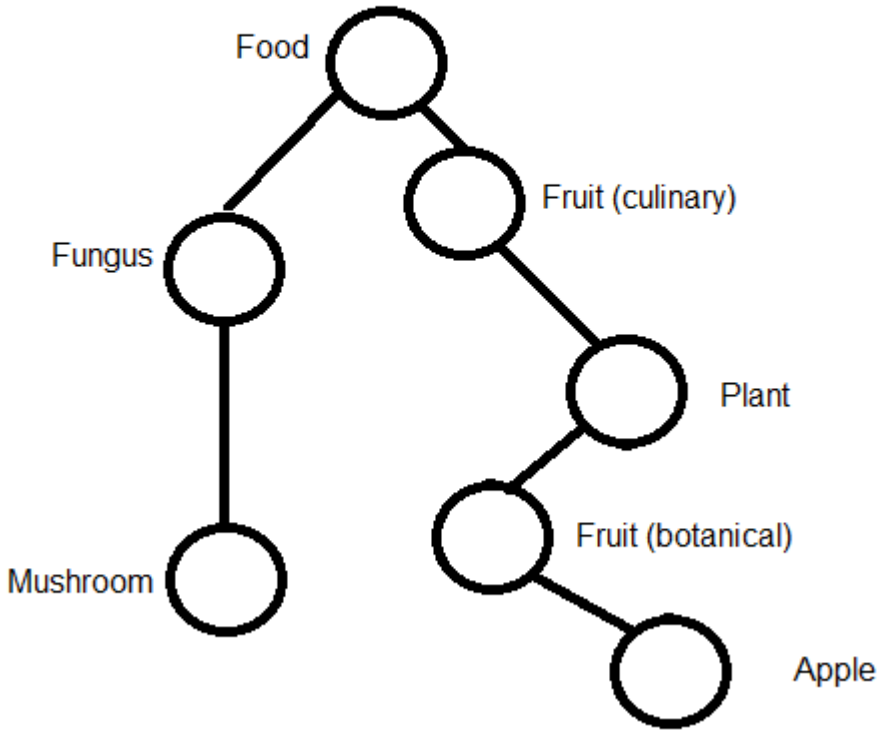
Topic: Topic3
Source: Lecture 3

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: Topic1
Source: Lecture 1

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



Question 5

Topic: Topic2
Source: Lecture 2

In class, I mentioned that we rarely do WSD explicitly, becuse 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 6

Topic: Topic1
Source: Lecture 1

What is the relationship between sweet and sour?

Question 7

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 8

Topic: Topic3
Source: Lecture 3

What is the Modus Ponens conclusion available from the following statements? If Modus Ponens does not apply, state so. Jim has hair. Bald men have no hair.

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