START OF QUIZ
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Question 1

Topic: Lecture 8
Source: Lecture 8

What is distant supervision, and why can we apply it to social media? (1)

Question 2

Topic: Lecture 8
Source: Lecture 8

What properties of code-switched text are useful for identifying the language of the text? (List at least 2) (1)

Question 3

Topic: Lecture 7
Source: Lecture 7

Can you think of any disadvantages to representing data in a choropleth? When might it be more advantageous to use a different visualization method? (2)

Question 4

Topic: Lecture 6
Source: Lecture 6

What is distant supervision, and why can we apply it to social media? (1)

Question 5

Topic: Lecture 5
Source: Lecture 5

Why would a tweet history help identify sarcasm in a new tweet? (1)

Question 6

Topic: Lecture 6
Source: Lecture 6

How does modeling author personality help in the detection of sentiment (think about how it might help us determine sarcasm or interpret reviews). (2)

Question 7

Topic: Lecture 5
Source: Lecture 5

SVM ranking takes advantage of the fact that an ordinal problem can be transformed into a binary "larger than" problem by simple subtraction of feature vectors. It's typically done with a linear SVM. Do you think we could apply a similar trick with a neural model? Why or why not? (2)

Question 8

Topic: Lecture 7
Source: Lecture 7

Imagine that we had a strange representation of the date: "Year 23 in the 21st century on the 3rd day of March, at 11 minutes past 17". Using strptime, what is the format that we would need to provide to recognize this time? (1)

Question 9

Topic: Coding
Source: Lecture 5

A: Feature vector = (2,1); rating = 1 B: Feature vector = (0, 4); rating = 3 C: Feature vector = (3,3); rating = 4 (3). If we are doing SVM-based ranking, give at least one feature vector that can be used as a positive example for our binary SVM classifier, and one feature vector that can be used as a negative example. Secondly, if the weight vector of our trained SVM classifier is (-2, 4), what is Kendall's Tau for the resulting ordinal classification of these 3 documents?

END OF QUIZ