START OF QUIZ
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Question 1

Topic: Lecture 5
Source: Lecture 5

What is argumentation mining? How is it related to IR? (1)

Question 2

Topic: Lecture 6
Source: Lecture 6

Briefly describe valence, arousal, and dominance, and how they are used in emotion detection. (1)

Question 3

Topic: Lecture 8
Source: Lecture 8

What is code-switching, and why is it a problem for NLP? (1)

Question 4

Topic: Lecture 7
Source: Lecture 7

What information about a user/document is required in order to include it in a choropleth (2 items)? (1)

Question 5

Topic: Lecture 7
Source: Lecture 7

How might you modify a standard sentiment analyzer to track change in sentiment over time? (2)

Question 6

Topic: Lecture 8
Source: Lecture 8

In class, we discussed that internet speech may be emerging as its own language (or at least, as a dialect). What features of an emerging language does it demonstrate? Does it lack anything to make you consider it a language? Finally, do you think that separate social media sites could be considered different dialects? Briefly explain. (2)

Question 7

Topic: Lecture 6
Source: Lecture 6

We saw that age and gender are relatively easy to predict from tweet history, but that personality traits are a lot harder. Why do you think that is? (1)

Question 8

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 9

Topic: Long
Source: Lecture 5

A: Feature vector = (2,1), rating = 2
B: Feature vector = (2,-1), rating = 3
C: Feature vector = (-1,-1), rating = 5
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,-2), what is Kendall's Tau for the resulting ordinal classification of these 3 documents? (3)

END OF QUIZ