

START OF QUIZ

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Question 1

Topic: Lecture 5

Source: Lecture 5

How does Kendall's Tau differ from other evaluation metrics we've seen? (ie, accuracy, F1, Precision, BLEU, etc.) (1)

Question 2

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 3

Topic: Lecture 5

Source: Lecture 5

In class, we said that "fake" fake reviews are often too prototypical when they are generated by hand. Given the tools you're familiar with, how do you think we could generate fake reviews automatically? Do you think they would suffer from the same problem? (2)

Question 4

Topic: Lecture 7

Source: Lecture 7

Why is datetime functionality necessary? That is, why can't we just use the date and time separately? (1)

Question 5

Topic: Lecture 7

Source: Lecture 7

Times in Python datetime do not necessarily correspond to a particular, unique moment in time (e.g. the exact moment someone was born). What needs to be true of them in order for them to represent a specific moment in time? (1)

Question 6

Topic: Lecture 6

Source: Lecture 6

Which of the following Tweets is most likely to be sarcastic? Give a brief explanation of why.

- A. That sounds like a really great idea! #Awesome!
- B. That sounds like a reeeeeeeally great idea!
- C. That sounds like a really great idea! (_)
- D. That sounds like a really great idea! :+1: (2)

Question 7

Topic: Lecture 8

Source: Lecture 8

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

Question 8

Topic: Lecture 8

Source: Lecture 8

Why do memes present a unique challenge to CL tools? (1)

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