

**START OF QUIZ**

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## Question 1

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 2

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 3

Topic: Lecture 7

Source: Lecture 7

Can you think of any biases that exist in the datetime library? If you were redesigning the library, what added functionality might you add? (2)

## Question 4

Topic: Lecture 7

Source: Lecture 7

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

## Question 5

Topic: Lecture 6

Source: Lecture 6

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

## Question 6

Topic: Lecture 5

Source: Lecture 5

Describe metadata. Why is it useful? (1)

## Question 7

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 8

Topic: Lecture 8

Source: Lecture 8

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

## Question 9

Topic: Long

Source: Lecture 7

In class, we talked about the granularity of choropleths, and how a world map might not capture intricacies of a smaller group, simply lumping them in with other people. How would you balance the tradeoff between finer granularity and the need to collect more individualized (and potentially private) data? (3)

**END OF QUIZ**