

START OF QUIZ

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Question 1

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 2

Topic: Lecture 5

Source: Lecture 5

When is ordinal classification more suitable for sentiment analysis than binary classification (2 factors)? (1)

Question 3

Topic: Lecture 5

Source: Lecture 5

Describe metadata. Why is it useful? (1)

Question 4

Topic: Lecture 8

Source: Lecture 8

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

Question 5

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 6

Topic: Lecture 6

Source: Lecture 6

Based on the Swartz et al (2013) study of personality on social media, give an example of how emotion classification intersects with the identification of personality traits. (1)

Question 7

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 8

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 9

Topic: Coding

Source: Lecture 7

Imagine that you have gotten a long string of unstructured data, and you need to recognize and normalize dates and times in either YY(YY)/MM/DD, MM/DD/YY(YY), or [X]Day, Month Name Day of Month, Year format (ie. Monday, March 20, 2023 - this was actually part of a Capstone a few years ago). Write pseudocode to first identify a date in running text, and then to normalize it. (3)

END OF QUIZ