

START OF QUIZ

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Question 1

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 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 7

Source: Lecture 7

We talked about time and place as completely separate ideas - do you think there would be any benefit to tracking choropleths over time? Briefly explain. (1)

Question 4

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 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 8

Source: Lecture 8

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

Question 7

Topic: Lecture 8

Source: Lecture 8

What is one similarity and one dissimilarity between emojis and emoticons? (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 6

Imagine a detective approaches you as a data analyst and says that they have been receiving letters purporting to be from a serial killer. The detective is worried that some of the letters might be copycats. What are some tests (at least 3) that you can run to try to determine if the letters were written by the same person? (3)

END OF QUIZ