

**START OF QUIZ**

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## Question 1

Topic: Lecture 4

Source: Lecture 4

What is the goal of multi-task learning? (1)

## Question 2

Topic: Lecture 1

Source: Lecture 1

Explain why it's harder to rank polarity for words than simply categorizing them as "positive", "negative", or "neutral". (2)

### Question 3

Topic: Lecture 3

Source: Lecture 3

Identify the target of the following sentence. Paul Giamatti's performace was a highlight of The Holdovers. (1)

## Question 4

Topic: Lecture 1

Source: Lecture 1

Explain the intuition behind a polarity axis. Knowing what you know about vector space, how and why does it work? (2)

## Question 5

Topic: Lecture 2

Source: Lecture 2

In class, we talked about how repeated use of words is not cumulative (ie, using good 5 times is not 5 times as positive as using it once). Briefly explain why this is the case. (1)

## Question 6

Topic: Lecture 3

Source: Lecture 3

We mentioned in class that "but clauses" are intensifiers. Do you think all (or at least most) concessions work the same way (some other concession words are "although", "nevertheless", "nonetheless", "even though", "considering that")? Briefly explain why or why not. (2)

## Question 7

Topic: Lecture 2

Source: Lecture 2

Why would it be difficult to establish a SentiWordNet for languages other than English? (1)



## Question 8

Topic: Lecture 4

Source: Lecture 4

Describe what features of neural networks allow for the creation of recursive neural networks.

(1)

## Question 9

Topic: Long

Source: Lecture 3

In class, we've discussed ways of obtaining and expanding polarity lexicons, but we didn't talk about how to identify PPIs / NPIs. Write out pseudocode (ie, codish-looking stuff) that dives through a corpus of sentiment annotated documents across multiple domains, and identifies "potential potential items". If you make any assumptions about the data, be sure to list them. Don't actually write the code - this should be a designed algorithm, not a runnable piece of code. (3)

**END OF QUIZ**