START OF QUIZ
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Question 1

Topic: Lecture 2
Source: Lecture 2

Sarcasm and irony are very difficult to detect with sentiment analysis methods. Outside of machine learning methods that consider larger contexts, do you think there is any way of detecting them with purely lexical (ie, word-based) resources? Briefly explain. (2)

Question 2

Topic: Lecture 3
Source: Lecture 3

Is the following a direct subjective element or an expressive subjective element? [Example given - to study, just be aware of the key differences between the two] (1)

Question 3

Topic: Lecture 1
Source: Lecture 1

Why is sentiment so tightly bound with domain? (1)

Question 4

Topic: Lecture 2
Source: Lecture 2

One of the goals of embeddings is that similar words are close to each other, and unrelated words are far apart. If we are using embeddings in our sentiment analysis toolkit, explain why we can't just "flip the polarity" of words modified by a negator (ie, [0.1, 0.3, 0.5] -> [-0.1, -0.3, -0.5]) (2)

Question 5

Topic: Lecture 3
Source: Lecture 3

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

Question 6

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 7

Topic: Lecture 4
Source: Lecture 4

What benefit does a Recursive NN have over a standard RNN that makes it particularly suited to sentiment analysis? (1)

Question 8

Topic: Lecture 4
Source: Lecture 4

Explain the purpose of pooling. (1)

Question 9

Topic: Long
Source: Lecture 4

We discussed running multiple convolutions over a single instance to extract different features, but we didn't discuss running multiple poolings (ie, 1x4, 2x2, 1x6, etc.) over the same convolution. Do you think this could have a positive impact on the model, or would it lead to too noisy of a dataset? Do you think it would provide any different information than just running separate convolutions? Briefly explain. (3)

END OF QUIZ