START OF QUIZ
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Question 1

Topic: Lecture 5
Source: Lecture 5

Why do we need methods like t-SNE? (1)

Question 2

Topic: Lecture 6
Source: Lecture 6

In some ways, we could consider Beta distributions themselves to be an embedding of a topic. Explain, and explain how we might be able to leverage that. (2)

Question 3

Topic: Lecture 7
Source: Lecture 7

Why do we generally care more about precision than recall in IR? (1)

Question 4

Topic: Lecture 8
Source: Lecture 8

Why don't we use a higher-order language model to perform IR? (1)

Question 5

Topic: Lecture 8
Source: Lecture 8

What do we mean by interpolation? (1)

Question 6

Topic: Lecture 6
Source: Lecture 6

Imagine we performed LDA on the classes in this block. What might their [Beta / Theta] distributions look like? (2)

Question 7

Topic: Lecture 7
Source: Lecture 7

Define P@R. (1)

Question 8

Topic: Lecture 5
Source: Lecture 5

We often weight our matrices using something like PMI or TF-IDF. Do you think it would make sense to do this after applying SVD? Why or why not? (2)

Question 9

Topic: Long
Source: Lecture 6

Imagine that we have a Beta distribution for each document, and a Theta distribution for each document. We are at the Maximization state of EM write a short function that calculates the probability of a document, given these distributions. Pay special attention to edge cases and special considerations... (3)

END OF QUIZ