

START OF QUIZ

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Question 1

Topic: Lecture 6

Source: Lecture 6

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

Question 2

Topic: Lecture 6

Source: Lecture 6

In some ways, we could consider Theta 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 5

Source: Lecture 5

What advantages do sparse vectors have over dense ones. (1)

Question 4

Topic: Lecture 8

Source: Lecture 8

What do we mean by interpolation? (1)

Question 5

Topic: Lecture 7

Source: Lecture 7

What is the benefit (in terms of efficiency) of placing the most discriminative search terms first in a boolean search? (1)

Question 6

Topic: Lecture 5

Source: Lecture 5

Why can we represent a rank- m matrix as the sum of m rank-1 matrices *or* the product of an $n \times m$ matrix and an $m \times n$ matrix (ie, what is matrix multiplication doing that we can take advantage of)? Explain. (2)

Question 7

Topic: Lecture 7

Source: Lecture 7

What is the purpose of an inverted index? (1)

Question 8

Topic: Lecture 8

Source: Lecture 8

Why do we not simply take the probability of a word given its document (maybe with smoothing added in)? (1)

Question 9

Topic: Coding

Source: Coding

Write a function that returns the most likely n documents given a term-document matrix, a smoothing parameter, and a query. (3)

END OF QUIZ