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Topic: Lecture 5 Source: Lecture 5

What impact do sparse matrices have on similarity metrics like cosine similarity? (1)

Topic: Lecture 5 Source: Lecture 5

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

Topic: Lecture 8 Source: Lecture 8

In class, I mentioned that high k value for BM25 TF weighting rewards documents with many, many instances of a term in them. Explain why that's the case. (2)

Topic: Lecture 7 Source: Lecture 7

Explain why the cosine similarity between a document and query vector is roughly equivalent to adding up the TF-IDF scores of each word in the document that occurs in the query. (2)

Topic: Lecture 7 Source: Lecture 7

What is the benefit of evaluating boolean queries using set operations instead of loops? (1)

Topic: Lecture 6 Source: Lecture 6

Why can't we just run an HMM over documents to discover the latent states like we do for POS-tagging? (1)

Topic: Lecture 6 Source: Lecture 6

In class, we saw a few topics that we were unable to identify. What could be a cause for such pointless topics (ie, how might we ensure that our topics are better? (2 reasons). (1)

Topic: Lecture 8 Source: Lecture 8

What are some assumptions that we make when we are interpolating between a document and a corpus? When should we trust the corpus more, and when should we trust the document more? (2)

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