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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 6 Source: Lecture 6

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

Topic: Lecture 5 Source: Lecture 5

What impact do sparse matrices have on similarity metrics like cosine similarity? (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 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 purpose of an inverted index? (1)

Topic: Lecture 8 Source: Lecture 8

What is the reasonining behind substituting TF-IDF with Okapi BM25? (1)

Topic: Lecture 5 Source: Lecture 5

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

Topic: Coding Source: Coding

Imagine that our corpus contains 1M documents. We have 3 queries that we are looking at. The first query has 5 relevant documents, returned in positions 1, 5, 10, 20, and 50. The second query has 3 relevant documents, returned at 10, 11, and 12. The third query has only one relevant document, and it is returned in position 7. What is the MAP of our system? (3)

# END OF QUIZ