✖

Latent Dirichlet Allocation

5 questions

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1.

(True/False) According to the assumptions of LDA, each document in the corpus contains words about a single topic.

○   True

○   <mark>False</mark>

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2.

(True/False) Using LDA to analyze a set of documents is an example of a supervised learning task.

○   True

○   <mark>False</mark>

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3.

(True/False) When training an LDA model, changing the ordering of words in a document does not affect the overall joint probability.

○   <mark>True</mark>

○   False

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4.

(True/False) Suppose in a trained LDA model two documents have no topics in common (i.e., one document has 0 weight on any topic with non-zero weight in the other document). As a result, a single word in the vocabulary cannot have high probability of occurring in both documents.

○ True

○ <mark>False</mark>

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5.

(True/False) Topic models are guaranteed to produce weights on words that are coherent and easily interpretable by humans.

○ True

○ <mark>False</mark>

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