Congratulations! You passed! Next Item 1/1 point Choose correct statements that describe the main aspects of topic modelling. Topic is a distribution over words that are present in the texts, with relevant words having higher probability of occurrence. Correct Topic is a set of words which describe it best. **Un-selected is correct** Topics are assigned to particular texts. **Un-selected** is correct Topics are assigned to all texts at the same time but with different probability of presence in each text. Correct

/

1/1 point

2.

Which of the following has impact on the topics?

Sequence of words or combinations of words. Latent Dirichlet Allocation Quiz, 7 question requency of words or combinations of words.	
Correct	
Both.	
None.	
1/1 point	_
3. Let there be three articles and three topics. The first article is 53% biology, 34% chemistry and 13% physics. The second article is 46% biology, 43% chemistry and 11% physics. The third article is 62% biology, 29% chemistry and 9% physics. Which of the articles, the second or the third, is most similar to the first article according to cosine similarity?	
Second	
Third	
Correct	
	_
1/1 point	
4. What is the support of the Dirichlet distribution?	
Simplex.	
Correct	
Positive axis.	
Plane.	

Latent Dirichlet Allocation

Quiz, 7 questions 5.

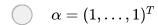
Beta distribution is a special case of Dirichlet distribution with:



$$K=2$$
.

Correct







1/1 point

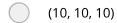
6.

Which set of parameters lpha for K=3 in Dirichlet distribution corresponds to uniform distribution?



(1, 1, 1)

Correct





1/1 point

7.

Which tasks can be solved using LDA model?



Dimensionality reduction for document representation.

Correct

Search for similar documents in the corpus.

Correct

Latent Dirichlet Allocation Quiz, 7 Question Pocument clustering. Correct Generation of coherent texts on particular topic. Un-selected is correct