Started on	Thursday, March 29, 2018, 9:39 PM
State	Finished
Completed on	
Time taken	
Grade	
Question 1 Whi	ch of the following can be used to quantify the likelihood of two words occurring
Complete toge	ether in a document?
1.00 points out of	
	ect one:
0	a. Collocation
	b. Bigram
	c. Correlation
•	d. Pointwise Mutual Information
	a. Folitiwise inutual illiornation
Ougstion 2	ah of the following labels is NOT used as a tag for a word in the Part of Speech
	ch of the following labels is NOT used as a tag for a word in the Part of Speech
Complete Tag	ch of the following labels is NOT used as a tag for a word in the Part of Speech ging?
Complete Tag 4.00 points out of Sele	
Complete Tag 4.00 points out of Sele	ging?
Complete Tag 4.00 points out of 4.00	ging? ect one:
Complete Tag 4.00 points out of 4.00	ging? ect one: a. NOUN
Tag 4.00 points out of 4.00	ging? ect one: a. NOUN b. NNN c. ADJ
Complete Tag 4.00 points out of 4.00	ging? ect one: a. NOUN b. NNN
Complete 4.00 points out of 4.00 Sele	ging? ect one: a. NOUN b. NNN c. ADJ d. DET
Complete 4.00 points out of 4.00 Question 3 Car	ging? ect one: a. NOUN b. NNN c. ADJ
Complete 4.00 points out of 4.00 Question 3 Complete Sele	ging? ect one: a. NOUN b. NNN c. ADJ d. DET
Complete 4.00 points out of 4.00 Question 3 Complete	ging? ect one: a. NOUN b. NNN c. ADJ d. DET

Question 4 Complete	Which of the following sentences best describes a corpus in the context of natural language processing?		
4.00 points out of 4.00	Select one: a. It is a collection of documents.		
	 b. It classifies (or recognizes) chunks of text that refer to pre-defined categories. 		
	c. It refers to the grammatical properties of a word.d. It is a collection of tags.		
			Question 5 Complete 4.00 points out of 4.00
	Select one:		
	a. 1; 0		
	O b. 0; 0		
	• c. 0; 1		
	O d. 1; 1		
Question 6	The library creates models that can be leveraged to construct topic		
Complete	models.		
4.00 points out of 4.00	Select one:		
1.00	a. gensim; vector-space		
	b. nltk; sparse-distributed		
	c. sklearn; vector-space		
	d. numpy; vector-space		

Question 7

Complete

4.00 points out of 4.00

Suppose we have preprocessed our corpus by mapping it into a dictionary and then storing it as bag of words in the variable bagOfWords, for the purposes of topic modeling. Following this, we import the gensim library:

import gensim

From the options below, how do we transform our text data into a TFIDF model?

Select one:

a.

tfidf = models.TfidfModel(crps)

b.

tfidf_model = gensim.corpora.TfidfModel(bagOfWords)

C.

tfidf_model = models.TfidfModel(bagOfWords)

• d.

tfidf_model = gensim.models.TfidfModel(bagOfWords)

Question 8

Complete

4.00 points out of

4.00

The simplest topic model is latent Dirichlet allocation. It is a type of ____ model with ____ variables.

Select one:

- a. probabilistic; visible
- b. deterministic; hidden
- c. probabilistic; hidden
- d. deterministic; visible

Question 9 Complete	Which module in sci-kit contains the implementation of the non-negative matrix factorization?	
4.00 points out of 4.00	Select one:	
	a. sklearn.feature_extraction.NMF	
	b. sklearn.decomposition.NMF	
	c. sklearn.preprocessing.NMF	
	d. sklearn.ensemble.NMF	
Question 10	When the gensim library creates the vector space, which data structure is used to	
Complete	map the indices to the words?	
4.00 points out of 4.00	Select one:	
7.00	a. set	
	b. dictionary	
	C. list	
	O d. tuple	
Question 11 Complete	Which function of word2vec in gensim library computes cosine similarity between two sets of words?	
4.00 points out of 4.00		
	Select one:	
	a. most_similar	
	b. n_similarity	
	c. doesnt_match	
	d. most_similar_cosmul	
Question 12	In the context of Word2Vec, what algrithm can be used to predict a word given a	
Complete	context?	
4.00 points out of		
4.00	Select one:	
	a. n-gram	
	b. NER	
	c. Skip gram	
	d. Continuous bag of words	

Question 13 Complete 4.00 points out of 4.00	Which of the following is NOT a method to improve the accuracy of a word2vec model? Select one: a. Choose a better model architecture from skip-gram and CBOW. b. Increase the number of vector dimensions. c. Increase the window size of words considered by the algorithm. d. Increase computational complexity and model generation time. e. Increase the training data set.
Question 14 Complete 4.00 points out of 4.00	Which of the following sentences best describes a wordnet? Select one: a. An English lexical database that groups words into synonym sets. b. It is a neural network model that was developed to provide an efficient continuous bag of words and skip-gram algorithms for word-vector representations. c. It has same definitions for a word, associated synonyms, lemmas, and other information. d. A group of related models that are used to produce word embeddings.
Question 15 Complete 4.00 points out of 4.00	In the context of Word2Vec, what algorithm can be used to predict a context given a word? Select one: a. Skip gram b. Continuous bag of words c. n-gram d. NER