Congratulations! You passed!

Grade received 100% **To pass** 75% or higher

Go to next item

Feature extraction from text and images

Total points 4

1.	TF-IDF is applied to a matrix where each column represents a word, each row represents a document, and each value shows the number of times a particular word occurred in a particular document. Choose the correct statements.	1/1 point
	✓ IDF scales features inversely proportionally to a number of word occurrences over documents ✓ Correct Correct! Purpose of IDF is to decrease importance of most frequent words.	
	☐ IDF scales features proportional to the frequency of word's occurrences ☐ TF normalizes sum of the column values to 1 ✓ TF normalizes sum of the row values to 1	
	Correct!	
2.	What of these methods can be used to preprocess texts? ✓ Stemming ✓ correct Correct! Stemming is used to reduce inflectional forms and sometimes derivationally related forms of a	1/1 point
	word to a common base form. Plumping Lowercase transformation Correct Correct! Lowercase is used to unite words written in UPPERCASE and lowercase.	
	✓ Lemmatization	
	Correct Correct! Lemmatization is used to reduce inflectional forms and sometimes derivationally related forms of a word to a common base form.	
	□ Plumbing□ Levenshteining☑ Stopwords removal	
	 Correct Correct! After feature generation stopwords result in useless features that interfere with useful ones. 	
3.	What is the main purpose of Lemmatization and Stemming? To reduce inflectional forms and sometimes derivationally related forms of a word to a common base form. To reduce significance of common words. To remove words which are not useful.	1/1 point
	 To induce common word amplification standards to the most useful for machine learning algorithms form. Correct You are right, this is the exact purpose of Lemmatization and Stemming! 	

1/1 point

4. To learn Word2vec embeddings we need \dots

Correct Correct. To learn more about word embeddings, I encourage you to check out the course on Deep Learning in our specialization. Labels for the documents in the corpora Labels for each word in the documents in the corpora	■ 1ext corpora	
Labels for each word in the documents in the corpora	Correct. To learn more about word embeddings, I encourage you to check out the course on Deep	
	Labels for the documents in the corpora	
	Labels for each word in the documents in the corpora	
☐ Glove embeddings	☐ GloVe embeddings	