## Clustering and Similarity

6 试题

1 point

1.

A country, called *Simpleland*, has a language with a small vocabulary of just "the", "on", "and", "go", "round", "bus", and "wheels". For a word count vector with indices ordered as the words appear above, what is the word count vector for a document that simply says "the wheels on the bus go round and round."

Please enter the vector of counts as follows: If the counts were ["the"=1, "on"=3, "and"=2, "go"=1, "round"=2, "bus"=1, "wheels"=1], enter 1321211.

2111211

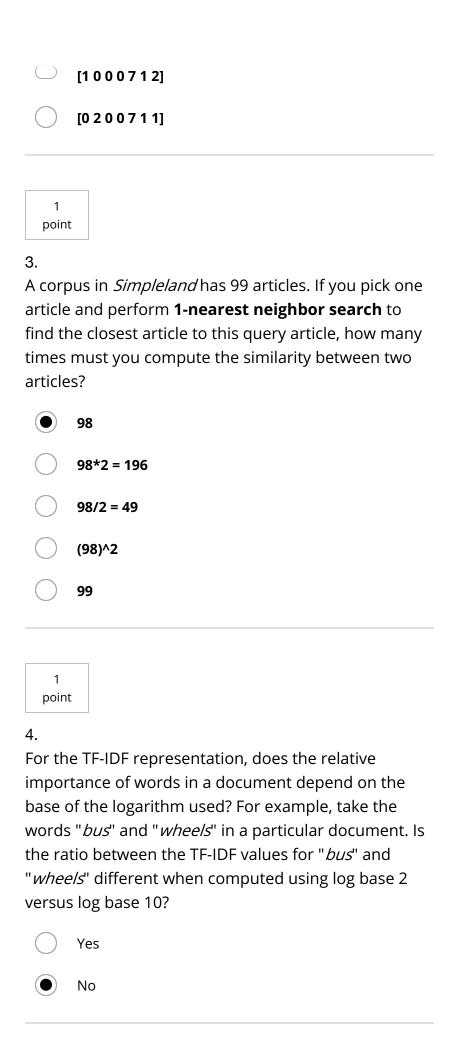
1 point

2.

In *Simpleland*, a reader is enjoying a document with a representation: [1 3 2 1 2 1 1]. Which of the following articles would you recommend to this reader next?

[7021001]

[1700201]



1 point

5.

Which of the following statements are **true?** (*Check all that apply*):

Deciding whether an email is *spam* or *not spam* using the text of the email and some *spam I not spam* labels is a supervised learning problem.

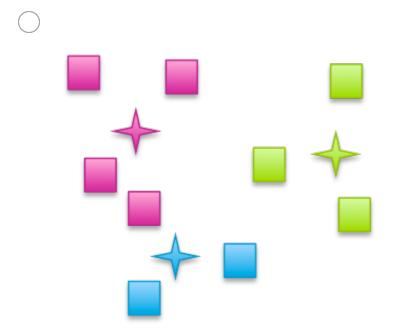
Dividing emails into two groups based on the text of each email is a supervised learning problem.

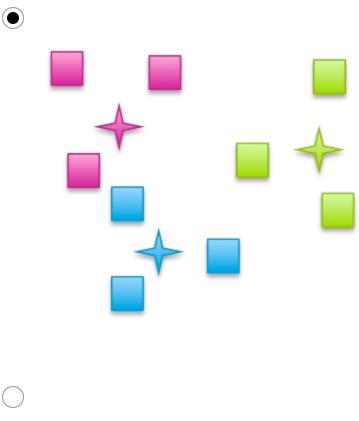
If we are performing clustering, we typically assume we either do not have or do not use class labels in training the model.

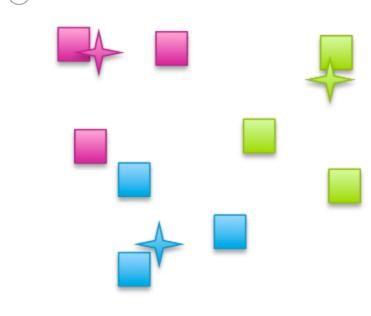
1 point

6.

Which of the following pictures represents the **best** k-means solution? (*Squares represent observations, plus signs are cluster centers, and colors indicate assignments of observations to cluster centers.*)









I, 伟臣 沈, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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