aws training and certification

You reached the end of this quiz.

Below you can see your overall score, as well as how you scored on each question. **A detailed explanation of each answer will be provided to you in a practice question solutions page that you will gain access to by the end of this course.**

4/4 **100.0%**

A Machine Learning Engineer is creating and preparing data for a linear regression model. However, while preparing the data, the Engineer notices that about 20% of the numerical data contains missing values in the same two columns. The shape of the data is 500 rows by 4 columns, including the target column. **2/2**

How could the Engineer handle the missing values in the data? (Select TWO.)

- Remove the rows containing the missing values
- ✓ **Impute the missing values using regression**
- Remove the columns containing the missing values
- ✓ **Fill the missing values with zeros**
- Add regularization to the model

A social networking organization wants to analyze all the comments and likes from its users to flag offensive language on the site. The organization's data science team wants to use a Long Short-term Memory (LSTM) architecture to classify the raw sentences from the comments into one of two categories: offensive and non-offensive. **1/1**

What should the team do to prepare the data for the LSTM?

Convert the individual sentences into numerical sequences starting from the number 1 for each word in a sentence. Use the sentences as the input.

Convert the individual sentences into sequences of words. Use those as the input.

Vectorize the sentences. Transform them into numerical sequences. Use the sentences as the input.

✓ **Vectorize the sentences. Transform them into numerical sequences with a padding. Use the sentences as the input.**

A Data Scientist created a correlation matrix between nine variables and the target variable. The correlation coefficient between two of the numerical variables, variable 1 and variable 5, is -0.95. **1/1**

How should the Data Scientist interpret the correlation coefficient?

As variable 1 increases, variable 5 increases

✓ **As variable 1 increases, variable 5 decreases**

Variable 1 does not have any influence on variable 5

The data is not sufficient to make a well-informed interpretation