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Score: 93%

No. of questions: 8

Correct answer: 7

Incorrect answer: 1

Show incorrect attempt only

1 Mark Question 1 ⊗

Which of the following central tendencies are useful in case of a regression problem?

- 1. Mean
- 2. Median
- 3. Mode
- 4. Variance

1 and 3 Α

2 and 4 В

C 1 and 2

All of the above D

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Correct Answer: C. 1 and 2

In case of regression, the target variable is continuous. Hence, mean and median can be used depending on the distribution. Mode is used when the target is categorical whereas, variance is not a

measure of central tendency.

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Why do we set the random state?

Module Test



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- Α To get random results every time we run the same model.
- To get the same results every time we run the same model. В



Correct Answer: B. To get the same results every time we run the same model.

train_test_split in scikit learn splits the dataset into training and test subsets using random state. Train and test splits can differ when a random state is not set and hence, the performance of model may vary. In order to have similar performance, we set the random state.

Question 3



3 marks

Consider a dataframe named 'df' that has a variable named Item_MRP. Which of the following commands can be used to calculate the mean of this variable?

- Item MRP.mean() Α
- В df['Item_MRP'].mean
- C df['Item_MRP'].mean()

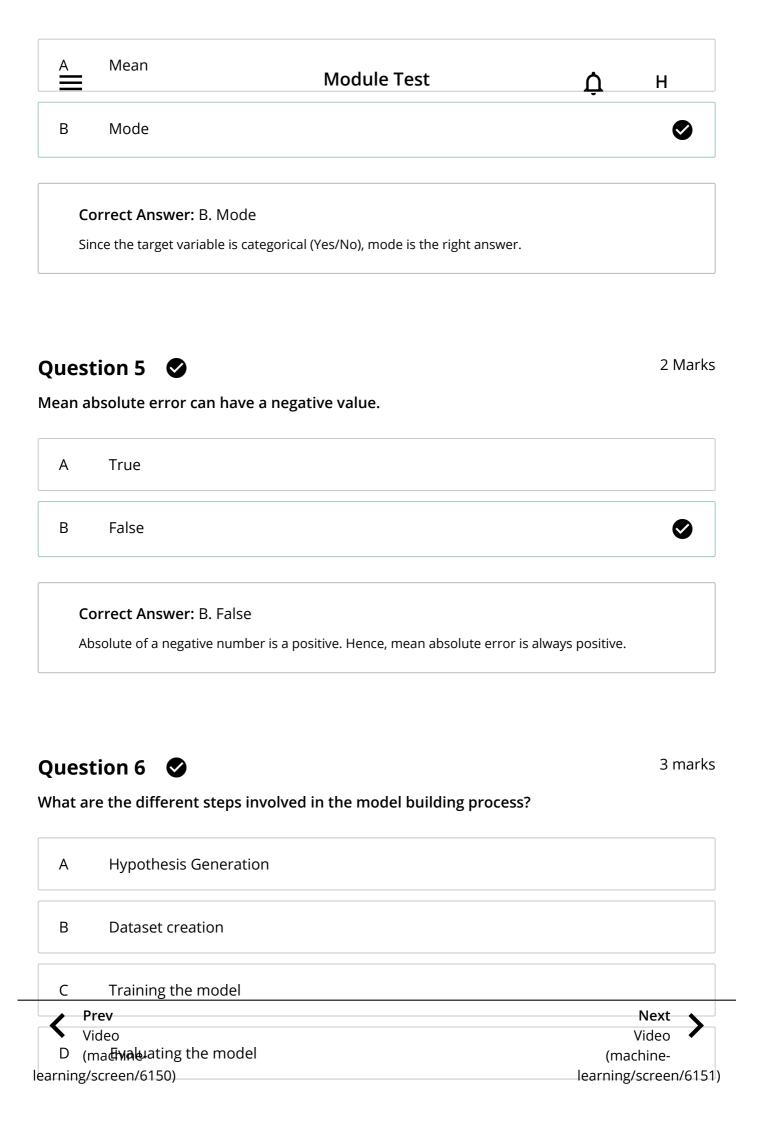


Correct Answer: C. df['Item_MRP'].mean()

The right syntax to compute the mean of a column (Item_MRP) in a dataframe(df) is df['Item_MRP'].mean().

Question 4

1 Mark



| Е | All of the above |
|---|------------------|
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Correct Answer: E. All of the above

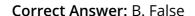
All the mentioned steps are part of the model building process.

1 Mark Question 7

The test dataset is used to train the model.



False В



Training data is used to train the model whereas test dataset is used to evaluate the performance of the model.

2 Marks Question 8

"Predict the sales for a big mart" - this is a classification problem.

True Α

В **False**

Correct Answer: B. False

Since the target variable takes continuous values, the problem is said to be a regression task.



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