

Applied Data Science - Quiz 3



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M.Sruthi

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Select your Training Batch *

B8-2A4E



Linear Regression is a machine learning algorithm based on

*

- ☐ unsupervised learning
- ☒ supervised learning
- ☐ reinforcement learning
- ☐ none of these

Regression models a target prediction value based on

*

- ☐ dependent variable
- ☒ independent variables
- ☐ independent value
- ☐ dependent value

- ☐ dependent variable
- ☒ independent variables
- ☐ independent value
- ☐ dependent value

Regression technique finds out a *
linear relationship between x (input)
and y(output) hence it is called as

- ☐ Hypothesis function
- ☐ Related regression
- ☒ Linear Regression
- ☐ none of these

Which Machine Learning technique *
use for dealing Categorical data?



- ☐ Regression

☒ Linear Regression

☐ none of these

Which Machine Learning technique *
use for dealing Categorical data?

☐ Regression

☐ Classification

☐ Clustering

☒ All of the above

How do you choose the root node *
while constructing a Decision Tree?

☒ "An attribute having high entropy

☐ "An attribute having largest
information gain

☐ "An attribute having high entropy
and Information gain

☐ None of the Mentioned



- ☒ "An attribute having high entropy
- ☐ "An attribute having largest information gain
- ☐ "An attribute having high entropy and Information gain
- ☐ None of the Mentioned

Choose a disadvantage of decision trees among the following. *

- ☐ Decision trees are robust to outliers
- ☒ Factor analysis
- ☐ Decision trees are prone to overfit
- ☐ none of these

What is the term known as on which the machine learning algorithms build a model based on sample data? *

- ☐ Data training

What is the term known as on which the machine learning algorithms build a model based on sample data?

- ☐ Data training
- ☒ Training data
- ☐ Transfer data
- ☐ None of the above

Machine learning is a subset of which of the following.

*

- ☒ Artificial Intelligence
- ☐ Deep learning
- ☐ NLP
- ☐ None of the above

The father of machine learning is *



- ☒ Geoffrey Everest Hinton

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- ☒ Geoffrey Everest Hinton
- ☐ Geoffrey hill
- ☐ Geoffrey chaucer
- ☐ Micheal Geoffrey

Suppose you got a training accuracy *
of 90% and a test accuracy of 50%.
What happened with your model

- ☒ The model was over fitted with the training data
- ☐ The model was under fitted with the training data
- ☐ The model is absolutely fine
- ☐ None of the above