Applied Data Science - Quiz 3

Name *

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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

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

○ 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

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

◉ 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

◉ 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

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