Applied Data Science - Quiz 3

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B11-5A1E

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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