Applied Data Science - Quiz 3

Name *

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Registered Roll Number/Registered *
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B9-3A5E ▼

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