

51) What is unsupervised learning?

- a) Number of groups may be known
- b) Features of groups explicitly stated
- c) Neither feature nor number of groups is known
- d) None of the above

52) Which of the following is not a machine learning algorithm?

- a) SVM
- b) SVG**
- c) Random Forest Algorithm
- d) None of the above

53) _____ is the scenario when the model fails to decipher the underlying trend in the input data

- a) Overfitting
- b) Underfitting**
- c) Both a and b
- d) None of the above

54) Real-Time decisions, Game AI, Learning Tasks, Skill acquisition, and Robot Navigation are applications of

- a) Reinforcement learning**
- b) Supervised learning
- c) Unsupervised Learning
- d) None of the above

55) What is called the average squared difference between classifier predicted output and actual output?

- a) Mean relative error
- b) Mean squared error**
- c) Mean absolute error
- d) Root mean squared error

56) Logistic regression is a regression technique that is used to model data having a outcome.

a) Linear, binary

- b) Linear, numeric
- c) Nonlinear, binary
- d) Nonlinear, numeric

57) You are given reviews of few netflix series marked as positive, negative and neutral. Classifying reviews of a new netflix series is an example of

- A. supervised learning
- B. unsupervised learning
- C. semisupervised learning
- D. reinforcement learning

58) Following is powerful distance metrics used by Geometric model

- A. euclidean distance
- B. manhattan distance
- C. both a and b
- D. square distance

59) Which of the following techniques would perform better for reducing dimensions of a data set?

- A. removing columns which have too many missing values
- B. removing columns which have high variance in data
- C. removing columns with dissimilar data trends
- D. none of these

60) Supervised learning and unsupervised clustering both require which is correct according to the statement.

- A. output attribute.
- B. hidden attribute.
- C. input attribute.
- D. categorical attribute