

1. What is machine learning?

- The selective acquisition of knowledge through the use of manual programs
- The selective acquisition of knowledge through the use of computer programs
- The autonomous acquisition of knowledge through the use of manual programs
- The autonomous acquisition of knowledge through the use of computer programs

2. Machine Learning is a field of AI consisting of learning algorithms that .....

- At executing some task
- Over time with experience
- Improve their performance
- All of the above

3. .... is a widely used and effective machine learning algorithm based on the idea of bagging.

- Regression
- Classification
- Decision Tree
- Random Forest

4. What is the disadvantage of decision trees?

- Factor analysis
- Decision trees are robust to outliers
- Decision trees are prone to be overfit
- All of the above

5. .... is a widely used and effective machine learning algorithm based on the idea of bagging.

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6. How can you handle missing or corrupted data in a dataset?

- Drop missing rows or columns
- Assign a unique category to missing values

- Replace missing values with mean/median/mode
- All of the above

7. Which of the followings are most widely used metrics and tools to assess a classification model?

- Confusion matrix
- Cost-sensitive accuracy
- Area under the ROC curve
- All of the above

8. Machine learning algorithms build a model based on sample data, known as .....

- Training Data
- Transfer Data
- Data Training
- None of the above

9. Machine learning is a subset of .....

- Deep Learning
- Artificial Intelligence
- Data Learning
- None of the above

10. A Machine Learning technique that helps in detecting the outliers in data.

- Clustering
- Classification
- Anomaly Detection
- All of the above

11. Who is the father of Machine Learning?

- Geoffrey Hill
- Geoffrey Chaucer
- Geoffrey Everest Hinton
- None of the above

12. What is the most significant phase in a genetic algorithm?

- Selection
- Mutation
- Crossover
- Fitness function

13. Which one in the following is not Machine Learning disciplines?

- Physics
- Information Theory
- Neurostatistics
- Optimization Control

14. Machine Learning has various function representation, which of the following is not function of symbolic?

- Decision Trees
- Rules in propositional Logic
- Rules in first-order predicate logic
- Hidden-Markov Models (HMM)

15. .... algorithms enable the computers to learn from data, and even improve themselves, without being explicitly programmed.

- Deep Learning
- Machine Learning
- Artificial Intelligence
- None of the above

16. What are the three types of Machine Learning?

- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- All of the above

17. Which of the following is not a supervised learning?

- PCA
- Naive Bayesian

- Linear Regression
- Decision Tree Answer

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

- Reinforcement Learning
- Supervised Learning: Classification
- Unsupervised Learning: Regression
- None of the above

19. Which of the following is not numerical functions in the various function representation of Machine Learning?

- Case-based
- Neural Network
- Linear Regression
- Support Vector Machines

20. Common classes of problems in machine learning is .....

- Clustering
- Regression
- Classification
- All of the above