Statistical Techniques in DATA MINING

Important Questions

Short Answer Type

1. What is Data Mining?
2. Define Models and Patterns Structure.
3. What are the Various Steps in the KDD Process.
4. What are the different Stages of KDD.
5. What is Machine Learning?
6. What are the different Issues and Challenges in Data Mining?
7. What is the relationship between Mathematical Learning with Data Mining?
8. Define Verification Model.
9. Define Discovery Model.
10. Public Use Micro data Samples (PUMS).
11. Explain Discovery of Association Rule.
12. Explain Discovery of Classification Rule.
13. Explain about Clustering.
14. What is Deviation Detection?
15. Explain about the nature of data sets.
16. Define Sequence Mining.
17. Define Web Mining.
18. Define Text Mining.
19. Define Spatial Data Mining.
20. Define Solid box, Solid circle, Dashed box, Dashed circle.
21. What is Noise and Missing Data in Data Mining?
22. Explain about User Interaction and Prior Knowledge in Data Mining.
23. What is Uncertainty in Data Mining?
24. What is an Association Rule in Data Mining?
25. What is Support function in an Association Rule?
26. What is Dredging of Data Mining.

27. Define Predictive Modeling
28. Define Descriptive Modeling
29. Define Score function in Data Mining
30. Define Exploratory Data Analysis (EDA).

Long Answer Type

31. Explain about Dredging, Snooping and Fishing of Data Mining.
32. Explain about the Interacting Roles of Statistics and Data Mining.
33. Explain about the Components of Data Mining Algorithms.
34. Explain about Data Mining Tasks (or) Explain about Exploratory Data Analysis (EDA), Descriptive Modeling, Predictive Modeling and Discovering Patterns and Rules.
35. Explain about Different Types of Data Sets in Data Mining.
36. Explain about the relation of Data Mining with Statistics and Machine Learning (or) Explain about Other Related Areas of Data Minig.
37. Explain about KDD vs DM
38. Explain about DBMS vs DM.
39. Explain about Data Mining Techniques.
40. Explain about an Association Rule with examples?
41. Explain about different Mining Problems in Data Mining. (or) Data Mining Problems for different types of data.

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