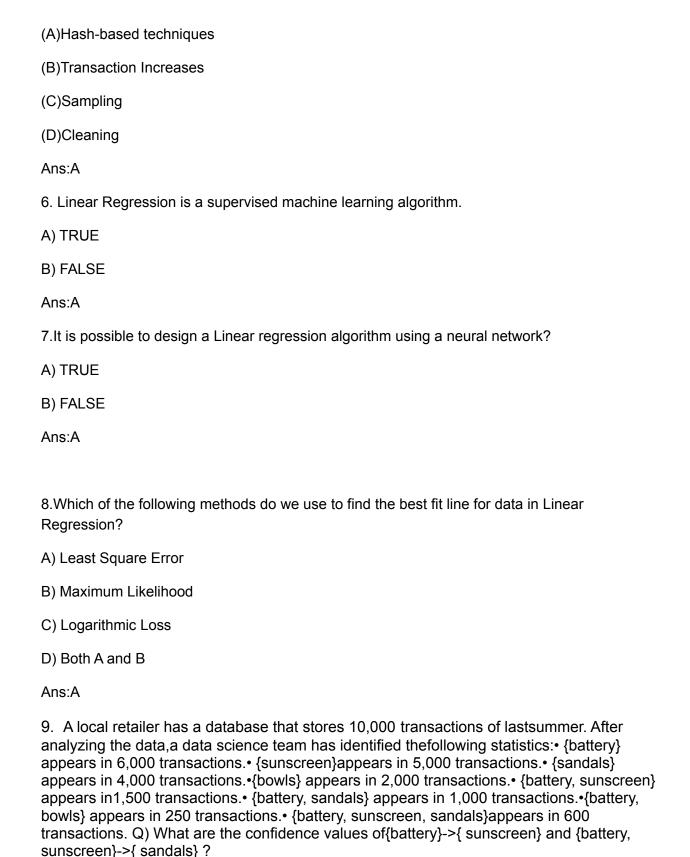
1.A collection of one or more items is called as
(A)Itemset
(B)Support
(C)Confidence
(D)Support Count
Ans:A
2.Frequency of occurrence of an itemset is called as
(A)Support
(B)Confidence
(C)Support Count
(D)Rules
Ans:C
3.An itemset whose support is greater than or equal to a minimum support threshold is
(A)Itemset
(B)Frequent Itemset
(C)Infrequent items
(D)Threshold values
Ans:B
4.What does FP growth algorithm do?
(A)It mines all frequent patterns through pruning rules with lesser support
(B)It mines all frequent patterns through pruning rules with higher support
(C)It mines all frequent patterns by constructing a FP tree
(D)It mines all frequent patterns by constructing an itemsets
Ans:C
5. What techniques can be used to improve the efficiency of apriori algorithm?



a) 0.3 and 0.4 b) 0.25 and 0.4 c) 0.25 and 0.15 d) 0.6 and 0.4 Ans: b
10. Which of the following implies no relationship with respect to correlation?
a) Cor(X, Y) = 1
b) $Cor(X, Y) = 0$
c) Cor(X, Y) = 2
d) All of the mentioned
Ans:b
11. If Linear regression model perfectly first i.e., train error is zero, then
a) Test error is also always zero
b) Test error is non zero
c) Couldn't comment on Test error
d) Test error is equal to Train error
Ans:C
12. Which of the following metrics can be used for evaluating regression models?
i) R Squared
ii) Adjusted R Squared
iii) F Statistics
iv) RMSE / MSE / MAE

a) ii and iv
b) i and ii
c) ii, iii and iv
d) i, ii, iii and iv
Ans:d
13. How many coefficients do you need to estimate in a simple linear regression model (One independent variable)?
a) 1
b) 2
c) 3
d) 4
Ans:b
14.In a simple linear regression model (One independent variable), If we change the input variable by 1 unit. How much output variable will change?
a) by 1
b) no change
c) by intercept
d) by its slope
Ans:d
15.Function used for linear regression in R is
a) Im(formula, data)
b) Ir(formula, data)
c) Irm(formula, data)
d) regression.linear(formula, data)
Ans:a

16.In syntax of linear model lm(formula,data,), data refers to
a) Matrix
b) Vector
c) Array
d) List
Ans:b
17.In the mathematical Equation of Linear Regression Y = β 1 + β 2X + ϵ , (β 1, β 2) refers to
a) (X-intercept, Slope)
b) (Slope, X-Intercept)
c) (Y-Intercept, Slope)
d) (slope, Y-Intercept)
Ans:c
18 is an incredibly powerful tool for analyzing data.
a) Linear regression
b) Logistic regression
c) Gradient Descent
d) Greedy algorithms
Ans:a
19. The square of the correlation coefficient r 2 will always be positive and is called the
a) Pagragian
a) Regression
b) Coefficient of determination

c) KNN
d) Algorithm
Ans:b
20.Predicting y for a value of x that's outside the range of values we actually saw for x in the original data is called
a) Regression
b) Extrapolation
c) Intrapolation
d) Polation
Ans:b
21. What is predicting y for a value of x that is within the interval of points that we saw in the original data called?
a) Regression
b) Extrapolation
c) Intrapolation
d) Polation
Ans:c
22 is a simple approach to supervised learning. It assumes that the dependence of Y on X1, X2, Xp is linear.
a) Linear regression
b) Logistic regression
c) Gradient Descent
d) Greedy algorithms

23.Although it may seem overly simplistic, is extremely useful both conceptually and practically.
a) Linear regression
b) Logistic regression
c) Gradient Descent
d) Greedy algorithms
Ans:a
24 refers to a group of techniques for fitting and studying the straight-line relationship between two variables.
a) Linear regression
b) Logistic regression
c) Gradient Descent
d) Greedy algorithms
Ans:a
25. What do you mean by support(A)? a. Total number of transactions containing A b. Total Number of transactions not containing A c. Number of transactions containing A / Total number of transactions d. Number of transactions not containing A / Total number of transactions

Ans:a

Ans: c