

MACHINE LEARNING

- 1)c
- 2)a
- 3)c
- 4)b
- 5)d
- 6)c
- 7)d
- 8)a
- 9)a
- 10)b

13) The Importance of Clustering is to take strategic action based on identification of similar groups formed which can help in increase of sales, revenue, cost cutting.

14) Silhouette can be used to improve cluster performance by determining optimal clusters.

SQL

1. CREATE TABLE Customers (customerNumber int, customerName varchar(255), contactLastName varchar(255), contactFirstName varchar(255), phone int, addressLine 1 char , addressLine 2 char, city varchar(255), state varchar(255), postalCode int, country varchar(255), saleRepEmployeeNumber int, credit limit int);
2. CREATE TABLE Orders (orderNumber int , orderDate date , requiredDate date, shippedDate date , status varchar(255) , comments varchar(255) , customerNumber int,);
3. SHOW COLUMNS FROM Orders;
4. SELECT comments FROM Orders;
5. SELECT orderDate AND COUNT(*) FROM Orders WHERE orderDate='DD/YY/MM' ;
6. SELECT employeeNumber, lastName, firstName FROM employees ;
7. SELECT Order.orderNumber,Customers.customerName FROM Orders, Customers WHERE Order.customerNumber = Customers.customerNumber ;
8. SELECT Customer.customerName,employees.firstName FROM employees, Customers WHERE employees.employeeNumber = Customers.saleRepEmployeeNumber ;
9. SELECT paymentDate,amount FROM payments ;
10. SELECT productName, MSRP, productDescription FROM products ;
11. SELECT productName,productDescription From products WHERE MAX(orderdetails.productcode);

12. SELECT MAX(city)AS City FROM customers ; Print 'city Name ' = City ;

Statistics

1. B
2. C
3. A
4. B
5. C
6. B
7. B
8. D
9. A
10. Bayes' theorem is the possibility of an event based on some prior knowledge on the same condition.
11. Z score is a position of a raw score which is the distance from the mean when measured in standard deviation. It enable us to compare score from two different samples.
12. T test is a method to test hypothesis of a mean from small sample. It can only be used when comparing mean of two groups.
13. The percentile meaning is the the set of data value which means if you score 80 percentile it means you scored 80% better than other people.
14. ANOVA is known as analysis of variance which means it is used to compare variance across of means of different groups.
15. ANOVA helps in analyze the difference of mean in two or more groups .