

Assessment Procedure

Data Analytics and Visualisation- CPCC04

The course Data Analytics and Visualisation was assessed by an exam . The minimum pass mark of the exam was 50% . The candidates who secured minimum pass marks qualified in this course. A sample question paper is given below:

CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA

CERTIFICATE COURSE DATA ANALYTICS & VISUALISATION

Course Code: CPCC04

2020-21

MCQ – Each question carries 2 mark

TIME:2HRS

MARK:50

1.Which variable represents nominal data ?

Temperature
Income
Gender
Product rating

2.The ratings of movies is _____ type of data

Nominal
Ordinal
Interval
Ratio

3.Another word used to describe qualitative data is...

Categorical

Numerical

4.Analysis of variance in short form is?

ANOV
AVA
ANOVA
ANVA

5.Function used for linear regression in R is _____

lm(formula, data)

regression(formula, data)

lrm(formula, data)
regression.linear(formula, data)

6.Which of the following gives the summary of values likes mean, std etc in Python?



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mean
Sd
describe
lm

7. A statement made about a population for testing purpose is called?

Statistic
Hypothesis
Level of Significance
Test-Statistic

8. The package used to read excel files in R

readxl
readlm
readlx
readxls

9. How many data types in tableau?

2
6
4
10

10. What are the file extensions in Tableau.

Tableau Workbook (.twb)
Tableau Packaged Workbook (.twbx)
Tableau Data Source (.tds)
All of the above

11. What is the colour of Dimension in tableau?

Green
Red
Blue
Yellow

12. Colour of Measure in tableau

Red
Green
Yellow
Blue

13. _____ is commonly used for testing relationships between categorical variables

T test
Anova
Regression
Chi Square

14. The _____ is a statistical hypothesis test used to determine whether an unknown population mean is different from a specific value.

One Sample t test
Two Sample t test
Paired t test

15. True or False : In the paired t test, we take two measurements on the same



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individual

True

False

16.R programming is an_____ programming language?

Closed source

Open source

Definite source

GPL

17.Which of the following imports the ggplot2 library?

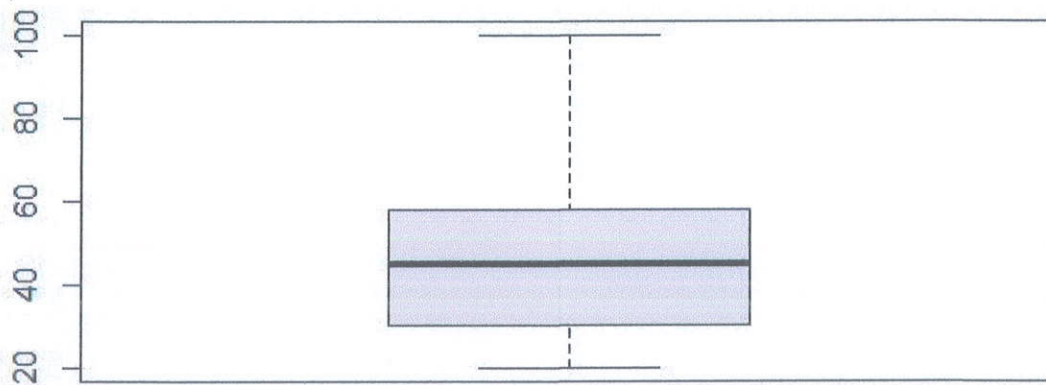
install.packages("ggplot2")

library("ggplot2")

summary(object=ggplot2)

open(x=ggplot2)

18.Consider the boxplot given below. What is the minimum data value of dataset?



0

20

16

30

19.Which plot is used to show the relationship between two variables?

Boxplot

Scatterplot

Histogram

Pie Chart

20.Select the most appropriate code for creating a boxplot in python.

sns.boxplot(data['Hospital A Rating'])

snsboxplot(data['Hospital A Rating'])

sns.boxplot['Hospital A Rating']

sns.bxplt(data['Hospital A Rating'])

21.Select the most appropriate code used for finding the descriptive statistics, in Python.

data.summary()

data.describe()

describe(data)



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summary(data)

22. Find the product id of the most sold product, in 2018 sales.

ENX2057

ENX2054

ENX2017

ENX2021

23. Find the customer ID of the customer who visited the store most frequently in 2019.

C1774

C1600

C1543

C1324

24. Find the product id of the most sold product, in terms of quantity in 2020 sales.

ENX2055

ENX2080

ENX2028

ENX2021

ENX2062

25. Find the descriptive statistics for the price in 2019 sales and choose the standard deviation obtained from the options given below.

699.6033894

698.6033884

697.6033884

696.6033894



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