SOMAIYA VIDYAVIHAR

K J Somaiya Institute of Engineering and Information Technology
An Autonomous Institute permanently affiliated to University of Mumbai.

Department of Computer Engineering

Question Bank for Quantitative Analysis (Elective) Sem-VI

1) Describe the Qualitative data concept with example
2) Explain Quantitative data concept with example
3) What are the different Qualitative data collection methods
4) What are the different Quantitative data collection methods
5) Explain the functions of Statistics
6) Write short note on Primary data
7) Write short notes on Secondary data
8) What are the limitations of Statistics
9) Problems based on stem and leaf display
10) Problems based on frequency distribution using Tally marks
11) Represent the given data using suitable graphical representation
12) What is census and sampling, explain it with example
13) Compare census and sampling
14) Why sampling is required, justify it.
15) Compare Probability Sampling and Non probability Sampling
16) Describe types of Probability Sampling
17) Discuss types of Non probability Sampling
18) Describe Sampling Error term
19) Problem based on Stratified Sampling
20) Problem based on SRSWOR sampling
21) Problem Based on SRSWR Sampling
22) What is model, explain it with example
23) What is regression Analysis, explain it with example.
24) Uses of Regression Analysis
25) Explain the concept of Simple linear regression analysis
26) Problem based on Regression Analysis equation X on Y
27) Problem Based on Regression Analysis equation Y on X
28) Explain multiple linear regressions with example.
29) What preparation work is needed for multiple regression application?
30) Illustrate the relationship and correlation between D.V and I.V. and among all I.Vs using scatterplot.
31) Examples based on MLR

32) Describe statistical inference in MLR model
33) Examples based on relation between partial regression coeff.
34) Find the value of R and interpret it
35) Test the significance of partial regression coeff.
36) What is statistical inference explain it with real time example.
37) Describe point estimation and estimator with example
38) What are the properties of point estimators.
39) Compute point estimate
40) Describe Method of maximum likelihood estimation
41) Example based on MLE
42) Explain Method of moments
43) Describe Null and Alternative hypotheses with example
44) Z Test,T test, Anova Test Chi square Test
45) What is the need of testing of Hypothesis?
46) Types of errors in testing of Hypothesis
47) Explain Neyman-Pearson-Lemma
48) Examples based on Testing

Subject In charge

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