

Question Paper

Exam Date & Time: 22-Sep-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BASLP DEGREE EXAMINATION - SEPTEMBER 2022
SUBJECT: BST 3201 / BST 3202 - BIostatISTICS AND RESEARCH METHODOLOGY
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Compute the mean, median, mode and inter-quartile range for the following data. (10)

Age(Years)
24
32
19
27
44
73
39
41
35
32

(2+3+2+3=10 marks)

- 2) a) Define any two measures of dispersion. b) List the four scales of measurement. c) Elaborate on any three ways to visualize continuous variables. (10)
(5+2+3=10 marks)
- 3A) Explain normal distribution and its properties with the help of a neat diagram. (5)
- 3B) Write a short on correlation and give examples (5)
- 3C) Define and differentiate case report and case series with an example. (5)
- 3D) Write a short note on any probability and non-probability sampling methods. (5)
- 4A) Define skewness and kurtosis. (2)
- 4B) Give any two example for ordinal variable. (2)
- 4C) What is the difference between a bar chart and a histogram? (2)
- 4D) Define simple linear regression. (2)
- 4E) Define prevalence and incidence. (2)

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