School of Liberal Education
Bachelor of Arts Honours in Economics
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - K1UB204C - Statistical Software Package

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Outline the steps involved in importing an external dataset into SPSS for analysis. K2 (2)

2) Explain the concept of outliers in the context of measures of central tendency in SPSS. K1 (3)

3) Discuss the steps involved in identifying and handling missing data in SPSS. K2 (4)

4) What is categorical variable? Explain the role of the Compute Variable function in SPSS and provide an example of when it might be applied K2 (6)

5) Explain the process of sorting data in a statistical software and discuss a scenario where sorting is crucial for a meaningful analysis. K3 (6)

6) Explain how the representation of data through charts and graphs enhances the understanding of real-world issues using publicly available datasets. Provide an example of a simple data visualization and discuss its implications. K3 (9)

7) Explain the concept of data simulation and its role in understanding statistical concepts. Provide a step-by-step example using SPSS software to simulate a dataset for a hypothetical scenario. K4 (8)

8) Discuss the assumptions underlying parametric hypothesis tests, such as the t-test and ANOVA. Why is it important to check these assumptions before conducting hypothesis tests? K4 (12)

OR

Demonstrate the computation of correlation coefficients in SPSS for a set of variables. Interpret the results and discuss the implications of positive and negative correlations in a real-world context K4 (12)