DATA ANALYTICS ASSIGNMENT QUESTIONS

DAY - 7:

1.Explain the concept of measures of dispersion in statistics. Provide definitions for the range, variance, and standard deviation. Discuss the strengths and limitations of each measure in describing the spread of data.

2.Discuss the importance of graphical techniques in data analysis. Provide examples of two graphical techniques and explain how they can be used to effectively communicate patterns and trends in data.

3.Define skewness and kurtosis in the context of descriptive statistics. Explain the implications of positively or negatively skewed distributions and leptokurtic or platykurtic distributions. Provide real-world examples for each scenario.

<u>4.Which graphical technique is most suitable for representing the spread and distribution of a continuous variable, especially when dealing with potential outliers?</u>

a) Bar Chart

b) Box Plot

c) Scatter Plot

d) Pie Chart