



Assignment 4

Subject: Introduction to Business Statistics-I /

Year/Sem: S.E./IV

Date: 20/03/2026

Submission Date: 01/04/2026

CO4: Interpret data distributions by examining skewness, kurtosis, and dispersion to support data-driven conclusions.

Q.No.	Question	Bloom Level																		
Q1	<p>The following table shows the marks obtained by 50 students in a Mathematics test.</p> <table border="1" data-bbox="349 775 1235 998"> <tr> <td>Marks (Class Interval)</td><td>0 – 10</td><td>10 – 20</td><td>20 – 30</td><td>30 – 40</td><td>40 – 50</td><td>50 – 60</td><td>60 – 70</td><td>70 – 80</td></tr> <tr> <td>Number of Students</td><td>1</td><td>2</td><td>4</td><td>7</td><td>12</td><td>18</td><td>10</td><td>6</td></tr> </table> <ol style="list-style-type: none"> 1. Draw a histogram for the above data. 2. Identify whether the distribution is: <ul style="list-style-type: none"> • Right skewed (positively skewed) • Left skewed (negatively skewed) 	Marks (Class Interval)	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	Number of Students	1	2	4	7	12	18	10	6	Apply
Marks (Class Interval)	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80												
Number of Students	1	2	4	7	12	18	10	6												
Q2	<p>Suppose you have the following dataset of football goals of a club: 40, 38, 35, 33, 32, 30, 29, 27, 26, 24, 23, 22, 19, and 17</p> <ol style="list-style-type: none"> i) Calculate the five- point summary of the data. ii) Draw the box plot of the data 	Apply																		