



Semester : 1

Subject : Statistics for AI&DS

Academic Year: 2023-2024

STEM AND LEAF PLOT :-

- (1) 15, 27, 8, 17, 13, 22, 24, 25, 13, 36, 32, 32, 32, 28, 43, 7.

Solution:

S	L
0	7 8
1	3 5 5 7
2	2 4 5 7 8
3	2 2 2 6
4	3

7, 8
13, 13, 15, 17
22, 24, 25, 27, 28
32, 32, 32, 36
43

- (2) 72, 85, 89, 93, 88, 76, 108, 115, 97, 102, 113.

Solution:

S	L
7	2 6
8	5 8 9
9	3 7
10	2 8
11	3 5

72, 76
85, 88, 89
93, 97
102, 108
113, 115

- (3) 1.2, 2.3, 1.5, 2.4, 3.6, 1.8, 2.7, 3.2, 4.1, 2.9, 4.5, 7.6, 5.8, 9.3, 10.6, 12.4, 10.9.



Semester : 1

Subject : Statistics for AIDS Academic Year: 20 23 2024

S	L
1	2 5 8
2	3 4 7 9
3	2 6
4	1 5
5	8
6	
7	6
8	
9	3
10	6 9
11	
12	4

1.2, 1.5, 1.8

2.3, 2.4, 2.7, 2.9

3.2, 3.6

4.1, 4.5

5.8

7.6

9.3

10.6, 10.9

12.4

key \rightarrow $1/5 \rightarrow 1.5$

$12/4 \rightarrow 12.4$

A statistician for a basketball team tracked the no. of points that each of the 12 players on the team had in one game, and then made a stem-and-leaf plot to show the data. How many points did the team score?

stem	Leaf
0	0 0 2 4 7 7 9
1	1 1 3 8
2	0

Solution:

00 00 02 04 07 07 09

11 11 13 18 20 . . .

$= 20 + 18 + 13 + 11 + 11 + 9 + 7 + 7 + 4 + 2$

$= 102$