

**Assignment- Data handling**

**Find the mode, median, mean, and interquartile range for each data set.**

1) Boiling Point (°C)

Stem	Leaf
0	1 1 1 3
1	1
2	5 9 9
3	3

Key: 2|5 = 2,500

2) Melting Point (°C)

Stem	Leaf
0	1 2 4 7
1	0 1 1 4 8
2	
3	6

Key: 1|4 = 1,400

3) Populations of US Cities

Stem	Leaf
0	2 2 2 3 4 4 6
1	3 4
2	
3	8

Key: 1|3 = 1,300,000

4) Single Family Home Prices

Stem	Leaf
46	6 8
47	6 8 9
48	3 4 4
49	5 8

Key: 47|8 = 478,000

5) Age of Nobel Laureates

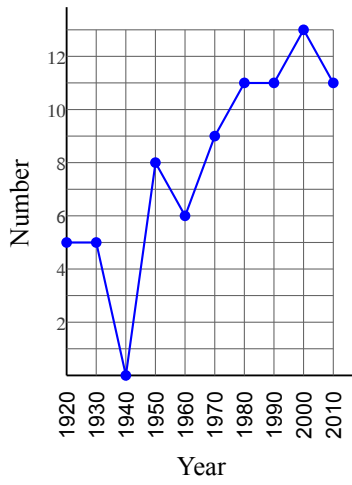
Stem	Leaf
4	0 2 3 8
5	4 4 4
6	3 3
7	3

Key: 4|8 = 48

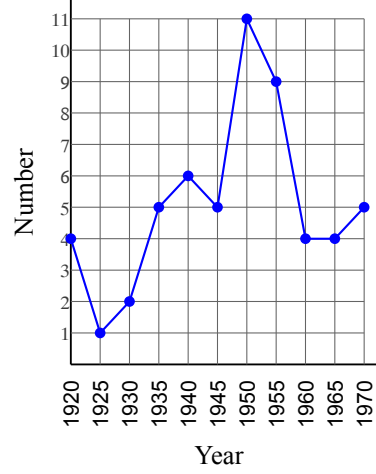
6) Age at First Job

Age	Frequency
13	3
15	3
17	1
18	2
21	1

7) Nobel Laureates



8) Atlantic Hurricanes

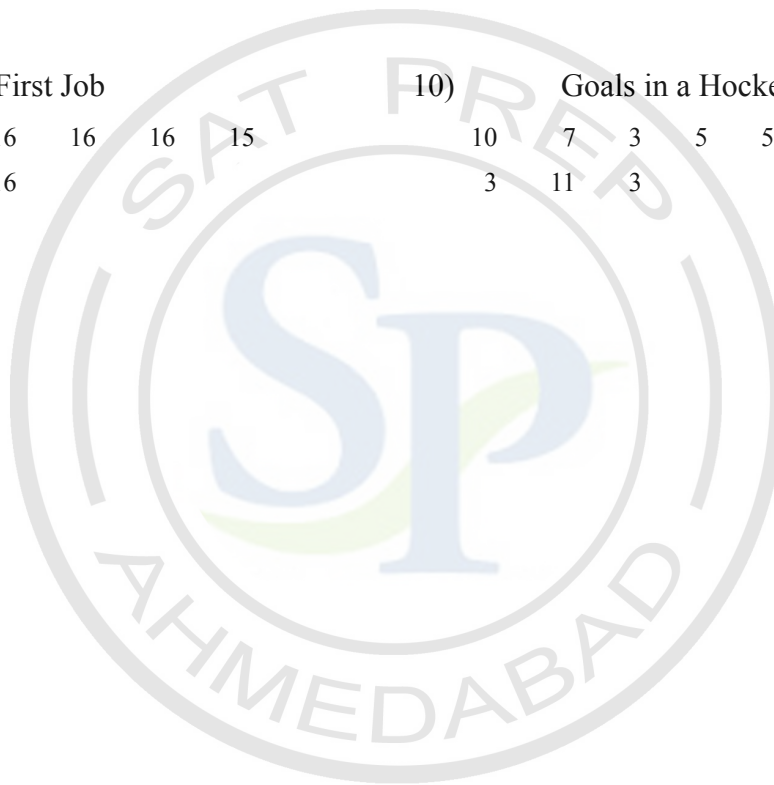


9) Age at First Job

17	13	17	16	16	16	15
18	15	18	16			

10) Goals in a Hockey Game

10	7	3	5	5	6	9	5
3	11	3					



## Answers to Assignment- Data handling

- 1) Mode = 100, Median = 1,100,  
Mean = 1,477.78 and  
IQR = 2,800
- 2) Mode = 1,100, Median = 1,050,  
Mean = 1,140 and IQR = 1,000
- 3) Mode = 200,000,  
Median = 400,000,  
Mean = 880,000 and  
IQR = 1,100,000
- 4) Mode = 484,000,  
Median = 481,000,  
Mean = 481,100 and  
IQR = 8,000
- 5) Mode = 54, Median = 54,  
Mean = 53.4 and IQR = 20
- 6) Mode = 13 and 15, Median = 15,  
Mean = 15.8 and IQR = 5
- 7) Mode = 11, Median = 8.5,  
Mean = 7.9 and IQR = 6
- 8) Mode = 4 and 5, Median = 5,  
Mean = 5.09 and IQR = 2
- 9) Mode = 16, Median = 16,  
Mean = 16.09 and IQR = 2
- 10) Mode = 3 and 5, Median = 5,  
Mean = 6.09 and IQR = 6

