

Assignment- Data handling-2

Date _____

Draw a stem-and-leaf plot for each data set.

1) Car Weights (kg)

1,635 1,485 1,715 1,410 1,605
1,505 1,615 1,665 1,430

2) Annual Precipitation (Inches)

26.4 45.8 46.2 35.4 13.8
37.4 27.2 14.2 17.4 20

Draw a box-and-whisker plot for each data set.

3) Age Assumed Office

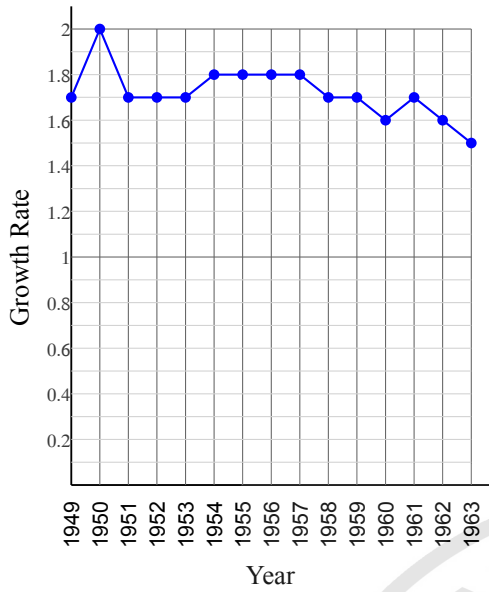
Senator	Age	Senator	Age
Rob Portman	55	Harry Reid	47
John Barrasso	54	Mark Kirk	51
John Thune	43	Patrick Leahy	34
Saxby Chambliss	59	Orrin Hatch	42
Ben Cardin	63	John Hoeven	53
Tom Udall	60		

4) Educational Attainment by US State

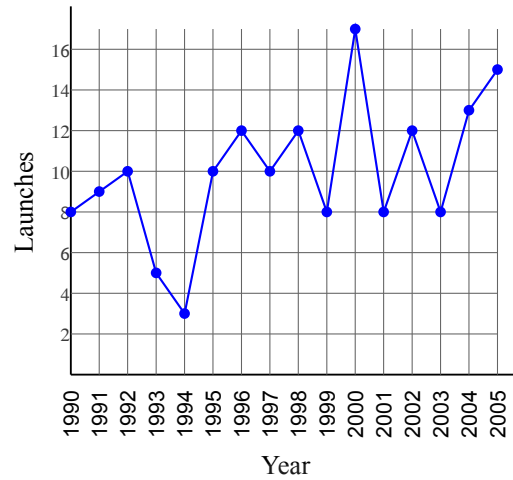
State	% Bachelor's Degree	State	% Bachelor's Degree	State	% Bachelor's Degree
Arkansas	18.9	North Dakota	25.8	Connecticut	35.6
Rhode Island	30.5	Wyoming	34.5	Utah	28.5
Minnesota	31.5	Iowa	25.1	Massachusetts	38.2
New York	32.4	North Carolina	26.5		

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

5) US Population Growth



6) European Spacecraft Launches



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

7) Goals in a Hockey Game

Goals	Frequency
3	2
5	4
6	2
7	4
8	1
10	1
11	1

8) Sales Tax by State

Percent	Frequency
0	1
4.23	1
4.3	1
5	2
5.75	2
6	5
6.25	1
7	4

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

9) Annual Household Income

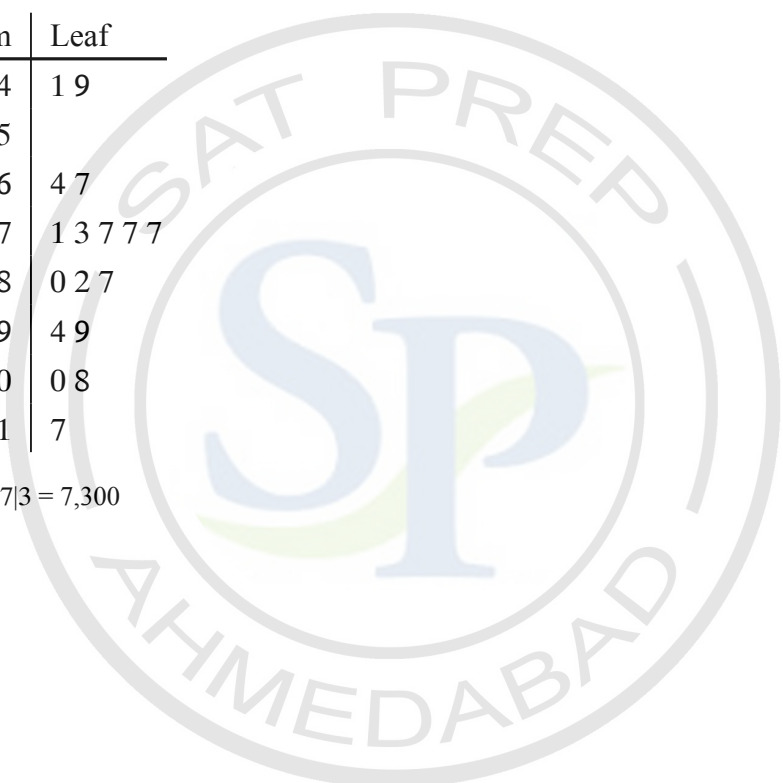
Stem	Leaf
0	7 7 8
1	1 1 1 5 5 7 7 8 9
2	0 0 1 5
3	1

Key: 1|5 = 15,000

10) Injuries Due to Distracted Driving per Month

Stem	Leaf
4	1 9
5	
6	4 7
7	1 3 7 7 7
8	0 2 7
9	4 9
10	0 8
11	7

Key: 7|3 = 7,300



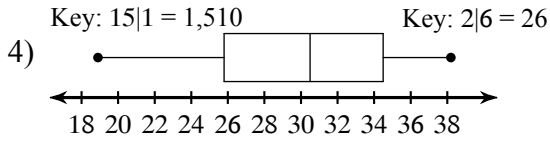
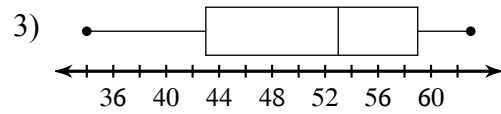
Answers to Assignment- Data handling-2

1)

Stem	Leaf
14	1 3 9
15	1
16	1 2 4 7
17	2

2)

Stem	Leaf
1	4 4 7
2	0 6 7
3	5 7
4	6 6



5) Mode = 1.7, Median = 1.7,
Mean = 1.72 and IQR = 0.1

6) Mode = 8, Median = 10, Mean = 10
and IQR = 4

7) Mode = 5 and 7, Median = 6 and
Mean = 6.33

8) Mode = 6, Median = 6 and
Mean = 5.55

9) Mode = 11,000,
Median = 17,000,
Mean = 16,058.82 and
IQR = 9,000

10) Mode = 7,700, Median = 7,700,
Mean = 8,017.65 and IQR = 2,750

