

Stem & Leaf Plots – Day 2
Unit 8: Statistics

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

1.

Annual Household Income

\$30,100	\$8,300	\$15,250	\$25,400	\$20,400	\$7,300
\$43,350	\$16,900	\$8,550	\$21,100	\$14,250	\$19,050
\$12,750	\$32,550	\$27,800	\$34,850	\$12,500	

2.

Monthly Revenue

\$65,860	\$38,540	\$70,990	\$31,850	\$63,980	\$26,320
\$31,830	\$58,650	\$20,890	\$20,070	\$46,180	\$44,220
\$22,220	\$42,880	\$39,270	\$38,810	\$42,810	\$25,710
\$26,530	\$38,960	\$53,250			

3.

Basketball Tournament

School	Appearances	School	Appearances	School	Appearances
Boston College	18	UNC Greensboro	2	Tennessee State	2
Alcorn State	6	Drake	4	North Carolina A&T	10
Loyola (MD)	2	Notre Dame	34	Columbia	3
Wyoming	15				

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

4.

2012 Summer Olympics

Country	Medals	Country	Medals	Country	Medals
Georgia	7	Belarus	12	Tunisia	3
Iran	12	Netherlands	20	Mexico	7
Hungary	18	Japan	38	Argentina	4
Kenya	11	Croatia	6	Denmark	9
Sweden	8	Kazakhstan	13	Norway	4
Turkey	5				

5.

Injuries Due to Distracted Driving per Month

7,078	6,838	7,630	5,447	7,169	14,224
6,395	6,814	9,674	11,232	7,662	10,008
6,759	7,520	7,274	12,191	8,567	9,173
8,316	4,876	9,361	5,139	6,230	

6.

Land Area of US States/Territories

Place	Area (km ²)	Place	Area (km ²)	Place	Area (km ²)
Washington	172,119	Texas	676,587	Mississippi	121,531
Colorado	268,431	Vermont	23,871	Oklahoma	177,660
Alabama	131,171	Nevada	284,332	North Carolina	125,920
Utah	212,818	Illinois	143,793	Minnesota	206,232
Arizona	294,207	New Hampshire	23,187	Maryland	25,142

① Round to the nearest thousands.

30,000	8,000	15,000	25,000	20,000	7,000
43,000	17,000	9,000	21,000	14,000	19,000
13,000	33,000	28,000	35,000	13,000	

Stems Ten Thousands	Leaf Thousands
0	- 8, 9, 7
1	- 3, 7, 5, 4, 3, 9
2	- 8, 5, 1, 0
3	- 0, 3, 5
4	- 3

Stem	Leaf
0	7, 8, 9
1	3, 3, 4, 5, 7, 9
2	0, 1, 5, 8
3	0, 3, 5
4	3

Key 1|3 = \$13,000

② Round to the nearest thousands

66,000	39,000	71,000	32,000	64,000	26,000
32,000	59,000	21,000	20,000	46,000	44,000
22,000	43,000	39,000	39,000	43,000	26,000
27,000	39,000	53,000			

Stems Ten Thousands	Leaf Thousands
2	- 2, 7, 1, 0, 6, 6
3	- 2, 9, 9, 9, 2, 9
4	- 3, 6, 3, 4
5	- 9, 3
6	- 6, 4
7	- 1

Stem	Leaf
2	0, 1, 2, 6, 6, 7
3	2, 2, 9, 9, 9, 9
4	3, 3, 4, 6
5	3, 9
6	4, 6
7	1

Key 2|0 = \$20,000

③ No rounding

Stems	Leaf
Tens	Ones
0	- 6, 2, 2, 4, 2, 3
1	- 8, 5, 0
2	-
3	- 4

Stem	Leaf
0	2, 2, 2, 3, 4, 6
1	0, 5, 8
2	
3	4

Key 1|0 = 10

④ No rounding

Stems	Leaf
Tens	Ones
0	- 7, 8, 5, 6, 3, 7, 4, 9, 4
1	- 2, 8, 1, 2, 3
2	- 0
3	- 8

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

⑤ Round to nearest hundreds

7,100	6,800	7,600	5,400	7,200	14,200
6,400	6,800	9,700	11,200	7,700	10,000
6,800	7,500	7,300	12,200	8,600	9,200
8,300	4,900	9,400	5,100	6,200	

Stems Thousands	Leaf Hundreds
4	- 9
5	- 4, 1
6	- 4, 8, 8, 8, 2
7	- 1, 5, 6, 3, 2, 7
8	- 3, 6
9	- 7, 4, 2
10	- 0
11	- 2
12	- 2
13	-
14	- 2

Stem	Leaf
4	9
5	1, 4
6	2, 4, 8, 8, 8
7	1, 2, 3, 5, 6, 7
8	3, 6
9	2, 4, 7
10	0
11	2
12	2
13	
14	2

Key 4|9 = 4,900

⑥ Round to nearest ten thousand

170,000	680,000	120,000
270,000	20,000	180,000
130,000	280,000	130,000
210,000	140,000	210,000
290,000	20,000	30,000

Stems Hundred Thousands	Leaf Ten Thousands
0	- 2, 2, 3
1	- 7, 3, 4, 2, 8, 3
2	- 7, 1, 9, 8, 1
3	-
4	-
5	-
6	- 8

Stems	Leaf
0	2, 2, 3
1	2, 3, 3, 4, 7, 8
2	1, 1, 7, 8, 9
3	
4	
5	
6	8

Key 1|2 = 120,000

