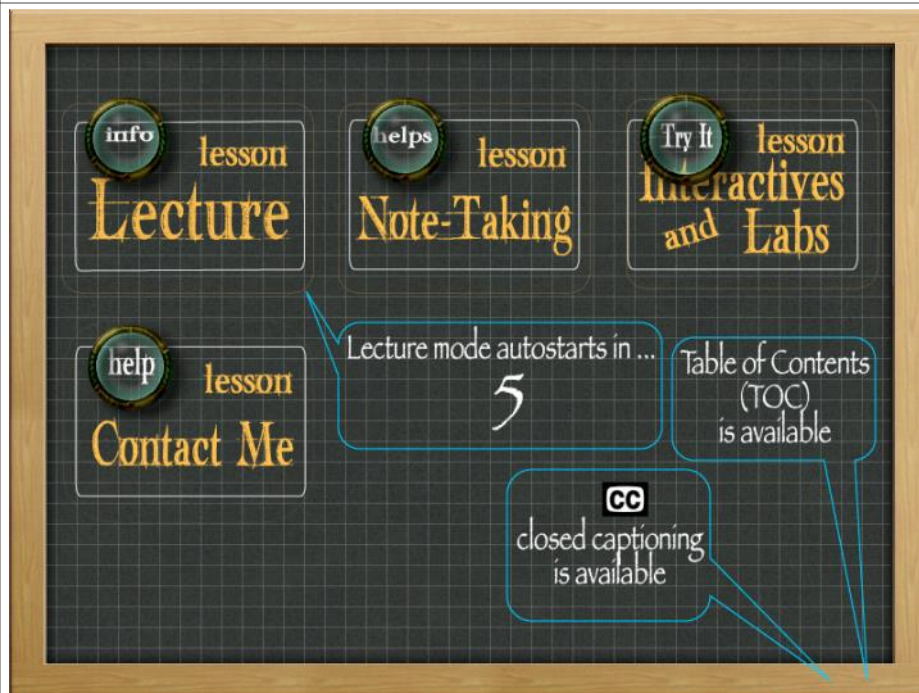


Lesson 129: Stem-and-Leaf-Plots

Friday, November 15, 2013
10:57 AM

Slide



Notes

Stem and Leaf Plots

A stem and leaf plot is a frequency diagram in which the raw data is displayed together with its frequency. The data is then placed in suitable groups.

The following data gives the marks out of 60 for an algebra 2 test. Place the data in a stem and leaf diagram.

28, 38, 42, 5, 13, 23, 14, 38, 56, 20, 32, 47, 58, 3, 18, 19, 43, 48, 29, 14, 24, 28, 50, 31, 35

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

A stem and leaf plot is a frequency diagram in which the raw data is displayed together with its frequency. The data is placed in a suitable group.

The group is based upon listing the digits by place value. The data that you see here has ten's place values of 0, 1, 2, 3, 4, and 5.

Now we will arrange the one's place values in order. There is a score that is 3 so it goes with the 0 ten's place line. There is also a 5.

There are a few numbers with a 1's ten's place in the list: 13, two 14's, 18, and a 19.

I will now place the rest of the data now so that you can see how the ten's and one's place values are put in the chart.

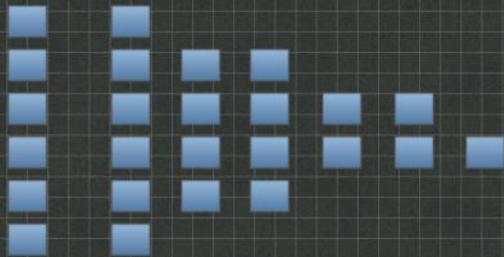
You can see that there are quite a lot of scores in the twenties. It can also be pretty easy to find the mean this way by looking for the number that would be central in the listing.

These are Peter's test scores:
72, 49, 62, 58, 73, 55, 78, 83, 57, 64, 73, 75, 85, 85, 64, 61, 67, 75, 91
Drag the numbers to create a stem and leaf plot for the data.

1 2 3 4 5 6 7 8 9

Stem

Leaf



Undo

Reset

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Congratulations!
You have completed
this topic

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this lesson if you wish...

