

Date: _____

Learning Goal

Re -cap

- a) What is the range of the data in the table below?
b) Is this data categorical, discrete, or continuous?

kilometres travelled daily - Joe's car

58	71	86	50	70	60
67	69	55	95	89	59
56	93	83	72	54	60
92	81	86	66	82	96
				58	70

Joe's car

How would you explain to someone how many km Joe normally travels in a day?

58	71	86	50	70	60
67	69	55	95	89	59
56	93	83	72	54	60
92	81	86	66	82	96
				58	70

Measures of Central Tendency

In statistics, there are

_____ measures of central tendency.

These measures allow us to find

_____ that exist in our data.

They are: _____

Measures of Central Tendency

Mean

Most commonly referred to as

the _____.

HOW TO: _____ all of the values,

then _____ by the

_____.

Measures of Central Tendency

Mean

58	71	86	50	70	60
67	69	55	95	89	59
56	93	83	72	54	60
92	81	86	66	82	96
				58	70

Measures of Central Tendency

Median

The _____ entry in an ordered list.
(Think of the median on the highway)

HOW TO:

a) If you have an _____ number of values it is the _____ value.

b) If you have an _____ number of values, it is the _____ of the _____ values.

Measures of Central Tendency

Median

50	59	70	83	95
54	60	70	86	96
55	60	71	86	
56	66	72	89	
58	67	81	92	
58	69	82	93	

Measures of Central Tendency

Mode

The most _____ number
in a data set.

There can be _____
mode, or even _____ mode.

Easiest to find in an _____
list.

Measures of Central Tendency

Mode

50	59	70	83	95
54	60	70	86	96
55	60	71	86	
56	66	72	89	
58	67	81	92	
58	69	82	93	

Measures of Central Tendency

When are they useful?

Mean

Median

Mode

The Mean, Median and Mode of a Distribution

Normal Distribution



The Mean, Median and Mode of a Distribution

Bimodal Distribution



The Mean, Median and Mode of a Distribution

Uniform Distribution



The Mean, Median and Mode of a Distribution

Left-Skewed Distribution



The Mean, Median and Mode of a Distribution

Right-Skewed Distribution

