

* Chapter-3

numerically summarizing
data.

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subject - Math 1342-13

* Measures of Central tendency:

Mean \Rightarrow population mean = $\frac{\sum x_i}{N} = \mu$

sample mean $\bar{x} = \frac{x_1 + x_2 + \dots + x_n}{n}$

$$= \frac{\sum x_i}{n}$$

Excel Command; Average (x_1, x_n).

Median:

if n is odd, the median is
the middle observation, in the $\frac{n+1}{2}$ position.

if n is even, the median is a two
middle number, divided by 2.
the summation of

Example. 1, 2, 3, 4, 5, 6 | $\frac{3+4}{2} = 3.5$

Mode: Most common number in a
data set.