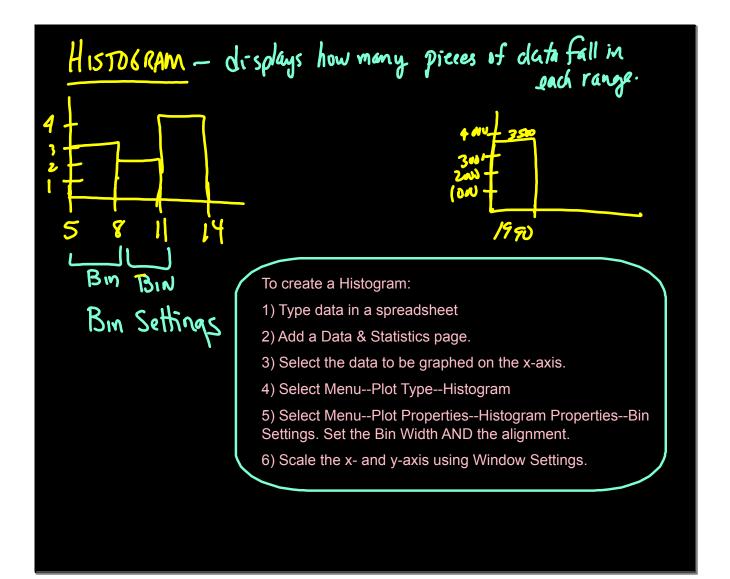
STATISTICS - the science of collecting, <u>analyzing</u> , <u>+ reporting</u> information about a set of data					
Heights 15,705 15,320 16,390 18,00 8	of U.S. Mi 17,440 16,277 20,320 15,658	0Jntains 15015 16,286 16,550	Stem- Truncated 7630[5 5322[6 4]7 0[8 3]8	Rounded Rounded 0377	
		29	300-20399	20,344	



MEASURES OF CENTRAL TENDENCY
- describe the "center" of the data is sum Lota
Mean - "average" = <u>Sum of data</u> = <u>E</u> # of items - N
population <u>sample</u> M x
Median - the middle value - Data must be in 258 [17] 293056 Order!
$-2 = 3.5 \times 4^{th}$
Data set: 200 values $\frac{200}{2} = (00^{M} \times 10)^{st}$ Data set: 75 values $\frac{75}{2} = 37.5 = 38^{st}$
Data set: 75 Values 75 = 37.5 - 38
Mode - the most frequent value

Calculating Statistics on the TI-Nspire

- 1) Enter data in a spreadsheet. Be sure to name the column.
- 2) Add a Data & Statistics page. Label the x-axis with the data to be graphed.
- Select Menu--Statistics--Stat Calculations--1-Variable Stats Scroll down the list of stats to find the ones you need.

To find Mode:

- 1) On the spreadsheet page, click on the column you want to sort in order.
- 2) Arrow upward until the entire columns turns blue.
- 3) Select Menu--Actions--Sort
- 4) The data will be in numerical order. Search through the data to find the mode.