MATHEMATICS

ASSIGNMENT -OL.

petine mean, mode, median.

mean: The Average value

median: The mid point

mode: The most common value.

betine standard beviation and vorsionce.

spread out the values are.

A 1000 standard deviation means that most of the numbers are close to the mean value.

A high standard deviation means that the values are spread out over a wider range.

spread out the values are.

standard deviation = $\sqrt{2}(2i-7i)^2$ $S.D = \sigma = \frac{1}{1} \frac{1}{1}(2i-7i)^2$

voriance =
$$\sigma^2 = \frac{1}{h} \left[\left(\frac{1}{h} - \frac{1}{h} \right)^2 \right]$$

3. Define population onean and sample mean.

Population is the collection of all items of interest to cur study and is usually denoted with an uppercase "N" -> Everything in the group that we want to leave about.

Population mean
$$\frac{1}{N}$$
 χ_i χ_i χ_i χ_i χ_i

N = humber of items in the population.

Somple:

A sample is a subset of the population and is denoted with a lowercase n.

A past of population drawn according to a rule or plan for concluding characteristics is called sample The number of items in a sample is called sample size. sample mean

n = number of items in the sample

4; Find mean, median, made and standard deviation for each data set and make hadrone and a

a; 7, 11, 16, 14, 11, 13, 19, 13, 13 as a revo too beauty

mean = 7+11+16+14+11+13+19+13+13

mean = 13

median: n'is odd. so esular sas 100 basage Data in sorted order: 7,11,11,13,13,13,14,16,19 It n is odd, median is (D+1)th team.

: | median = 13

mode: The most common value = 13.

standard deviation one appropriately agreed and a

$$C = \sqrt{\frac{1}{n}} \left(x_1 - \overline{x} \right)^2$$

 $\frac{2}{2}(x_1-x_2)^2 = 36+4+9+1+4+0+36+0+0$

5 = 10,0 = 3.162 Standard deviation = 3:162.