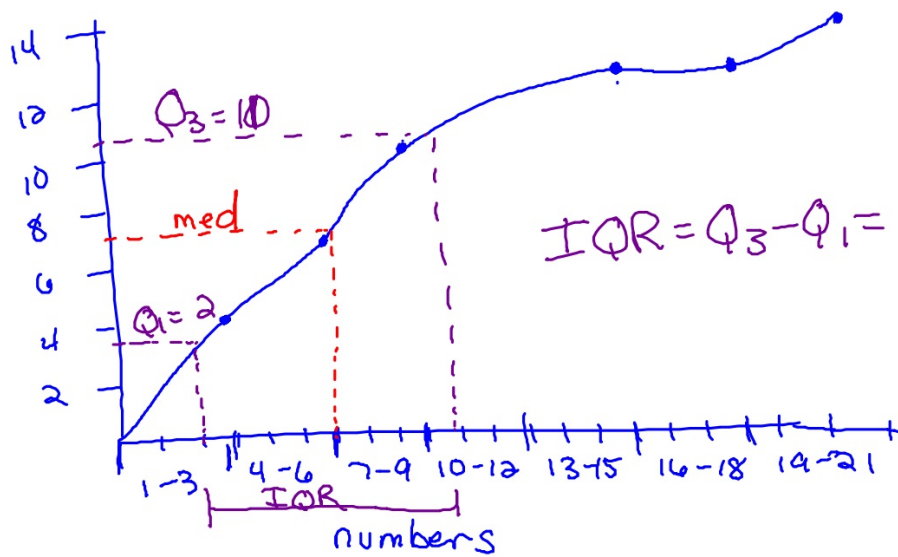


Cumulative  
frequency



median is at the  $\frac{14}{2}$ th place  
7th position

median is 7

$Q_1 = \frac{7}{2}$ th place at 3.5th  $Q_1 = 2$

$Q_3 =$

## 8.6 Variance and Standard Deviation

$\mu$  = population mean ( $\mu$ )

$\bar{X}$  = sample mean

$\sigma$  = standard deviation (sigma)

$\sigma^2$  = Variance

arithmetic mean:  $\frac{\text{add up all the numbers}}{\text{number of numbers}}$

mean of squared differences:

$$\frac{(a - b)^2 + (a_1 - b)^2 + (a_2 - b)^2 \dots}{\# \text{ of } \#s \ a}$$

Normal Distribution

all data is under here

