

# STATISTICS

## Descriptive

Summarize and Display data

## Inferential

used to make conclusion  
based on available  
data from sample.

## Quantitative

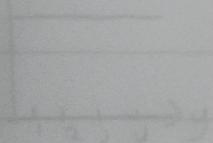
## Qualitative

## Discrete

## Continuous

Uniform

Bar



Binomial

Bar



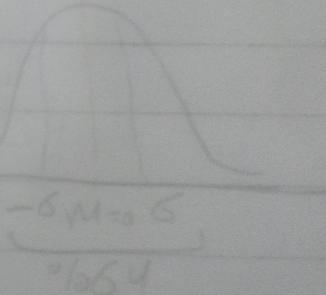
Normal

Symmetric



$$\frac{X - \mu}{\sigma}$$

Std = 1



Mean = 0

Std = 1

- The Mean, Median and Standard deviation are Numerical Summaries of Sample or Population.

**Graphical Summaries**  $\Rightarrow$  are used to help visualize a list of numbers  $\Rightarrow$  numerical (with respect to measuring)

Ex:- DotPlot, BoxPlot Stem & Leaf  $\Rightarrow$  Descriptive + Histogram (Center)

$\Rightarrow$  BoxPlot :- Shape - Range and Show 5- Num- Summary and How data are spread out

How Far Points From Outlier Minimum  $\leftarrow$

