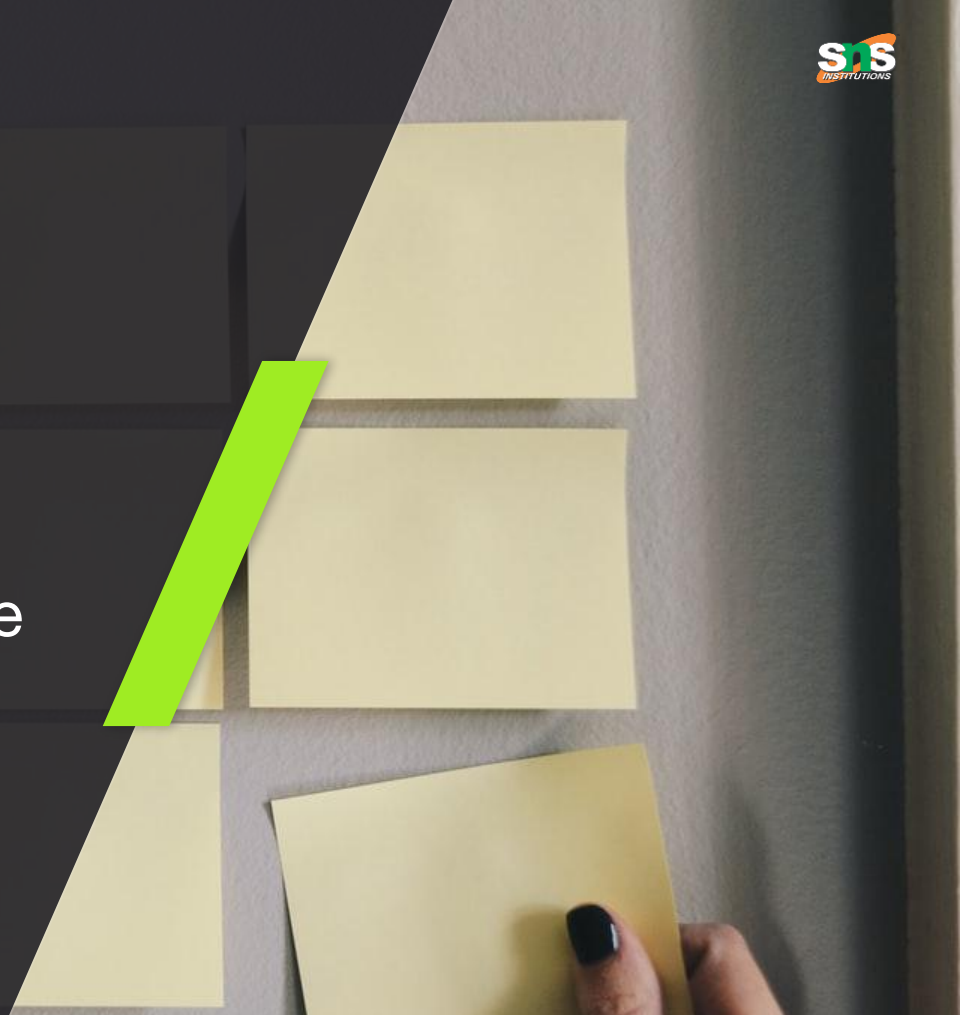




# Recap.....

- Descriptive data reporting
- Introduced descriptive analytics
- Case Study on World Trade Report





Guess Your Topic





# Example.....

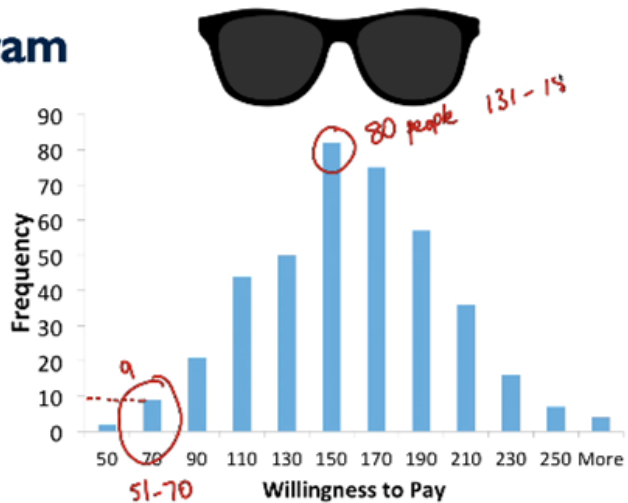
Market survey





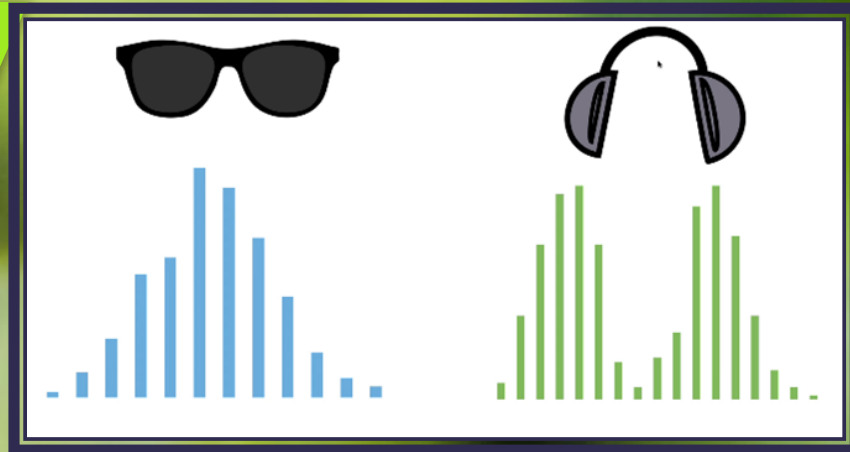
# Histogram....

## Histogram



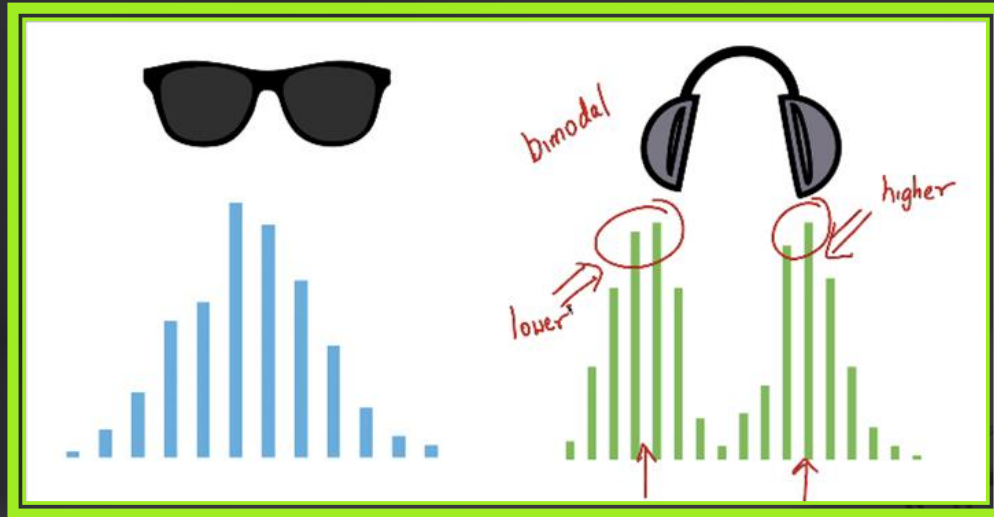


# Bimodal Distribution





# Bimodal Distribution....





# Two Summary Measures...

## Two summary measures

**Mean:** Describes average, or center, or location of data.

**Standard deviation:** Describes spread of data.



# Mean or Average.....

Mean = 150

## Mean or Average

$$\bar{X} = \frac{\text{Sum of all values}}{\text{Sample size } n}$$







# Standard Deviation.....

## Standard deviation

Standard deviation,  
abbreviated stdev or  $\sigma$

Root-mean-square deviations  
from mean.





# Time for Assessment.....

**Bimodal distribution indicated  
two prices for the decision  
maker (True/False)**





# Summary.....

- ❖ Examples
- ❖ Histogram
- ❖ Bimodal Distribution

Place your screenshot here





# References.....

❖ <https://www.khanacademy.org/math/statistics-probability/summarizing-quantitative-data/variance-standard-deviation-population/a/calculating-standard-deviation-step-by-step>

Place your screenshot here





THANK YOU.....

