Statistics of Describble -> Infevential Describtive Statistis

*organizing/ summarizing/ using new bors & graphs

* Measures of Centeral tendancy

mean(x) median

mode * no mode O-xort 2 x Desort

* bimoder & my Himoday

* measures of variability

variance range

 $O^{2} = \frac{\mathcal{E}(X - \overline{X})^{2}}{n}$ *Max-min

Standard deviation 5=502 In ferential statistics

*Using sample data to make an inference or draw a conclusion

of the Population. * Uses propability to determine

how confidentive can be the our conclusions dane right.

Data ._.

Quantitative

numerical data V

continous (can be measured) Discrete (can be

conned) LI MAR

analitative

describlive data words

soft/howd dowlhigh

forst/slow

scales of measurement

Nominal scale

* Qualitative * order doesn't

mater * Names, colors, Genders, --

cannot be measured [154, 2nd, 3rd) red, green, blue

* Differences

Intervalscale ordinal scale * order morters * Ran King placement

* Differences * Order matters can be measured exapt ratios.

> * No tre Zero starling point -7c°, 30°, 45°

Ratio scale * or der matters * Differences can be unecisment

including ratios. * contains

a Zero starting

point 10 mark, 20, 30 months