Range - Range is the differnce between the max bin VS min binned. value.

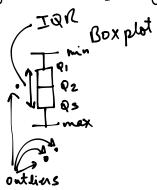
IRR-> Interquetile renge. Q3-Q1

Outlies: data for away from the population

Outlier:> Outlier< Q1-1:5(1QR)

- · Outlin > Q3+15 (IQR)

Box plot: me visualize outlier by using Box plot



ximean usually lies inbetween Q1->Q3, unless there are outliers



standard deviation:

Std. Deviation =>

Deviation from the mean (XI-X)

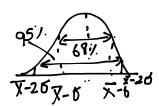
Average deviation = just an aways of the sum of deviations Any deviation => is 0, use it for checking work

 \Rightarrow we can take absolute value or square of $(Xi - \overline{X})$ to compute ang deviation sum of squared dw = \(\((7i - \)^2 = SS

variance: $\leq \frac{(11-1)^2}{\pm d_1 i \tan 2}$

ostandard deviation=> (variana = \(\frac{\xi (\xi - \xi)^2}{4\frac{\xi}{2}} \)

68% of data falls inteteren 1 Std duriation.



for sample this used $S = \sqrt{\frac{2(x_i - \overline{x})^2}{n}}$ Convited Standard deviation

population Standard $6 = \sqrt{2(N_i - \overline{Y})^2}$ used for entire detailet. durielin