Histogram And Skewness

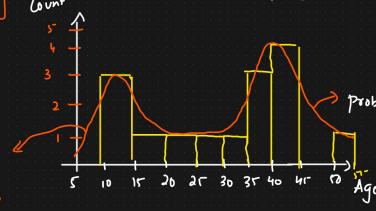
A histogram is a graphical representation of the distribution of numerical data. It is an estimate of the probability distribution of a continuous variable and is used to visualize the shape, central tendency, and variability of a dataset.

Ages = { 11,12,14,18,24,26,30,35,36,37,40,41,42,43,50} => Histogram
0-50

725 <30

Ages = { 11, 12, 14, 18, 24, 26, 30, 35, 36, 37, 40, 41, 42, 43, 50}

[frequency_



Distribution of Numerical

Probability distribution of a

Continuous Voniable

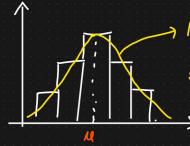
Kernel

density

estimator

Aga = { _ _ _ _ }

Skewness

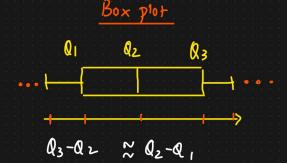


Normal / agussian Dishibution

=) Symmetrical Dishbuton =) No Skewness

-/ James Cintal District

The mean, median and mode are all porfectly at the center.



3 Right Skewed

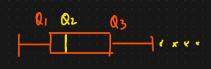


=) Positive Skewed =)



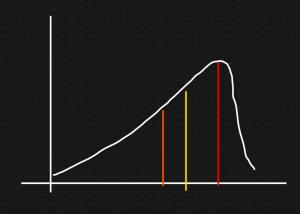
mean > median > mode

Box plot

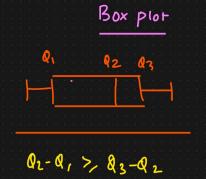


Q3-Q2 > Q2-Q1

3 Left skewed Dismbution



=) Negative Skewed



Rughonship

Mean & Median & mode.