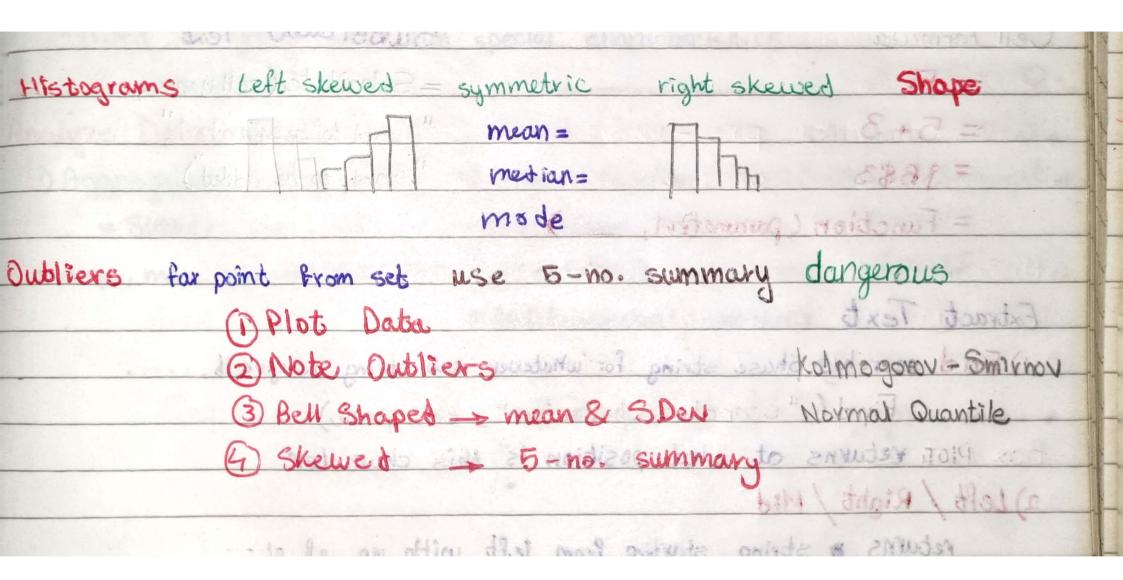
interntial Studiesios Units of spread how far points from each obler range - in berguartile range - variance - Standard Deviatation Histograms Noideluges and mort els Box Plot elgrus a moit 15/4/8/8/15/22 you use binning to organize -0-4 15-8 8-12 adding a don't 7/18/2/12/16 5-number summary to calculate range & IQRange 233346 max - min - 1st quartile - 2nd 11 - 3rd 11 (7) 8 9 12 15 15 Q1 Q2 (median) Q3 22 medians of quartiles Atamidanna (2) IQRange = Q3 - Q part sign strang - Quora solfo show thriver situ of Texas

0100 soith asal show University of Texas standard Deviation for each point from mean Stock Exchange Relativementaly uses cell locations are veletive to the exemption of the original bring a ② calculate ×i -x /n ∑ (xi-x)2 variance Quo va B) 11 (x1-x)2 Stack Exchange some of Nesob thanks control some I variances if standard deviation high standard deviation comes with high risk single no. that represents spread of data money / economy right skewed Shape Histograms Left skewed symmetric mean = metian = mode 1. Francis) doisout =





STATE OF STA Inferential Statistics used None many rating and work to a drawing conclusions about a population based on data collected from a sample of individuals from that population. Descriptive salary of a policial of many describe data that is available * population * sample 1 Sproy of the statistic mas admin-* parameter CALLERY (C) (Challery)(O)



Normal distribution

Sometimes a dataset exhibits a particular shape that is evenly distributed around the mean. Such a distribution is called a normal distribution. It can also be called a Gaussian distribution or a bell curve. Although exam grades are not always distributed in this way, the phrase "grading on a curve" comes from the practice of assigning grades based on a normally distributed bell curve. Figure 3 shov Top ^



Characteristics of the normal distribution

The mathematical equation for the normal distribution may seem daunting, but the distribution is defined by only two parameters: the mean (μ) and the standard deviation (σ).

$$y=rac{1}{\sqrt{2\pi}\sigma}e^{-rac{1}{2}(rac{x-\mu}{\sigma})^2}$$

The mathematical form of the normal distribution

The mean is the center of the distribution. Because the normal distribution is symmetrical about the mean, the median and mean have the same value in an ideal dataset. The standard deviation provides a measure of variability, or spread, within a dataset. For a normal distribution, t

