Statistics Module Cheat File

Descriptive statt. Analyting the data / thing the palling those pallon, one useful to present sales

mcT_

@ nedsan: mredle from-

(1) mide: Myl) repealed value is data

y - inputations of Null value - To show / southbythe

@ 1 x = \ \(\frac{1}{2} = \ \(\frac{1}{2} - \frac{1}{2} \)

a) std: $\overline{\sigma} = \sqrt{\sum (n-1)^2}$ (distance kb) sample point \overline{b} mean)

outline inter anothe Range (ROR) ...

22= Q- 1.5 xigt

1 = Q2 + 1. + x in in in = Q2-eq

measures of shape o mean > and a possioner showners

meature of relation, Correlation,

Relation the the Columns) variables

positive Coseletion =

1 1 / I I - direction same

- 1 / I 1 - direction is opposate

No-Correlation -1



Probability _

chance of ocurance of Non ocurance

PE) = not favourable out come

rated not ontwo

A, I am hos even

p (A and B) - P (A n A) - multiplication theseum

P (AVA) - P (AVA) - Add, Hon haven

Types of probability. 1 mongrad probability > P(A), P(R) @ Josh probability: P(A and B) @ conditional Probabiliti: P(A|B), P(B|A) 5 layer Mores Extensing if Londitunel measurement of Batabas analitative Octo categorical deta Numerical variable Continuou ev which can measurable whole can contable Egy herder, herdy, co; schon, age Not sould, citres Jobools, rators Distributions -1 5 mdependent trails | Expainers Bonomid. (2) each total are having Same a tromes neno de bookle f = p(Incum) 2 = 1 (Jaihre) nean = np n=nv-of-success var = n & P & V Any value is a certain time interval $P(m) = \frac{e^{-\lambda}}{m},$ V ar = >

Normal Darn,

- O mean and median both are cornerale leged
 - @ It han Symmetric have (Rell
- 3 Gantesan di (160)
- (A) ND abollowing Enforced rule

- 68.45% data hu in show Mt10

2-50° 20° , ~

68.451. data bru inskow utio Mt 267 mg - 95+ deta bru in the Mt20 - 99,271 st. data. . M ± 20 Z= M-H (Standard redex) -3 to +3, nem =0 1) mean of sample means is always approximately eard to population means E(A) = MHis byeans of all the Carple Mean is bollows Mixed disortions Sampling techiques: -(1) simple Rand om Sarplag @ southfred . @ Syldonetre " (4) Elustin Sampling Hypotheric Jestry, a stolement don't population step 11 Defone statement 1) relief (40) - Homogenous Bete @ Allinotre (4) - Helmogeneous plate. Stop 2! Defone los cos 27. of = p (Reputing Hol to True) Type-[error) B= Type - 1 enol P(Acyong Ho) Ho Calle) Statistical line t/2/x2-light 8 7 3 + · Ruche = evidure about to Regarth Mpy -P < R -> Rejutto P > x - Failed to Regul to