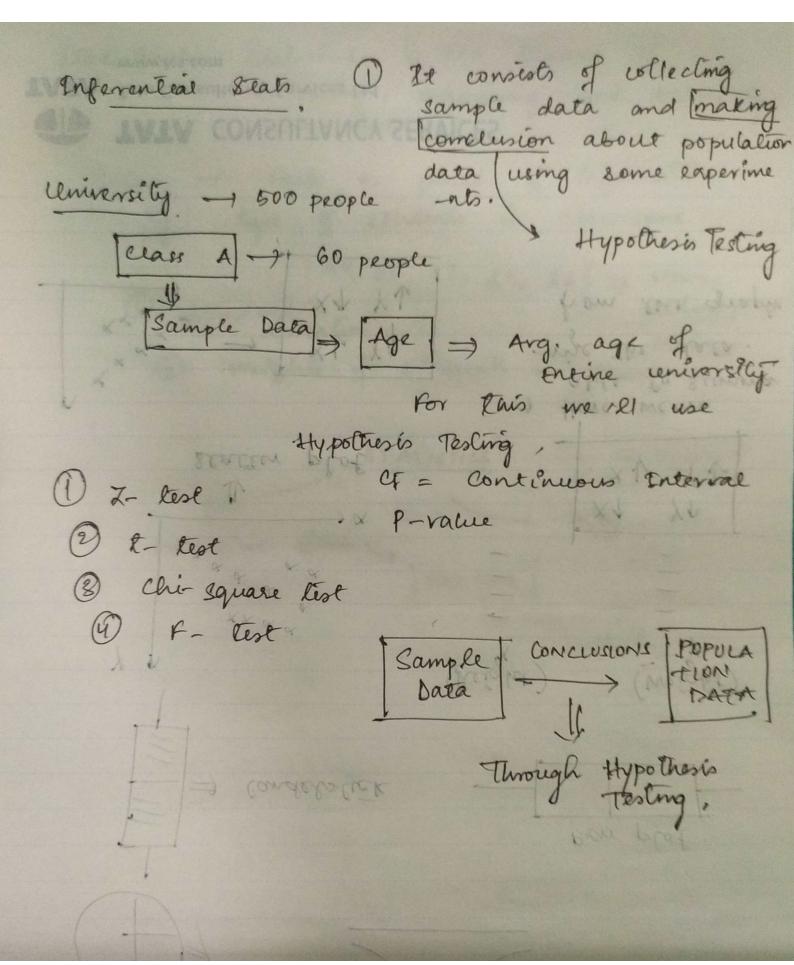


PROJECT dife CYCLE SUEINCE OF DATA MODEL HYPER -PARAMETER TUNING Praining with Emprove The performan of the mode EDATFE Analysis of DATA descriptive state Summarying The Pie chants part of 7 12, 13, 14, 18, 20, 25} descriptive 7 Average Age? Statioles Parst of descriptive Also known Slaties as measures:

{ central Tendency.

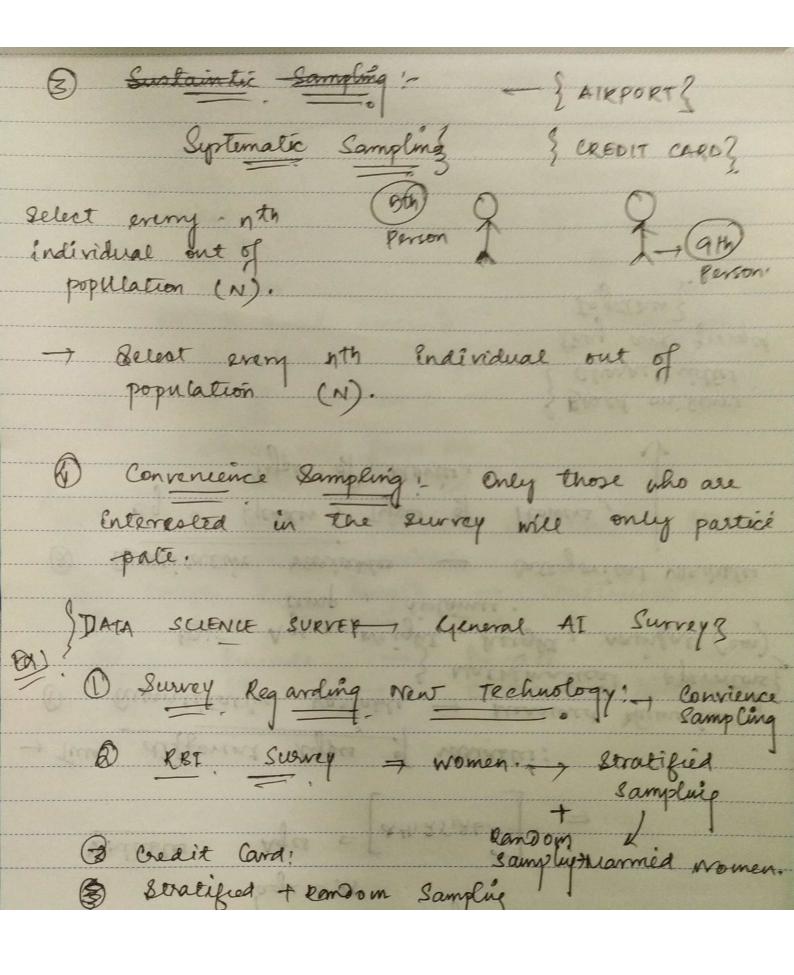
- Statistics is the science of cultecting, organising and analysing the data. Statistics:-Date - facts or pieces of information. Eg! Ages of students in clarrooms. {24, 25, 32, 29, 28} = Mean, ndard = Median, 1) slandard deviation Mode @ weights of students is classrooms. STATISTICS Inferential State. Descriptive Stats It conserts of organising and Summarizing the data. Bor charts

2) Gaussian distribution Berr plot = Candelslick 11 XIXI Statter Here weine able to summa - ripe the data. from the graph Hypothesis Tostera



SAMPLE DATA VO POPULATION DATA Sample Supopose 1911
PARTY A WILL Win Rye = 1000 PARTY B WILL LOOSE ( for various Population Data 1 Co2 of Region) Wrong Hypothesis Resling. clarrooms en a university and you have collected the age of students clarroom. Ages: 21, 20, 18, 34, 17, 22, 24, 25, 26, 32, 23 it in the clarrooms, of students Des criptine Stab Relationship b/w age & Gjender? Inferential 's Are the arrowing agent the students state in the class room less than the aragage age of students in the university?

clase A => 50 girls 50 boys 6000 Stredents 95% POPULATION -1(N) Sampling Techniques SAMPLE -> (n) 1) Semple Landon Sampling: every member of the population (N) has an equal chance of being selected for your sample (1). Exit Poll. Picking up a morbel from a beef full of marbels. 2 Strafied Sampling Strata -> dayers -> Clusters -> Goraps. Gender. Male Eductation Migh School
Degree Marlin
1 Phol. Brod George - 14-Dike voling & sombling sampling erronges egreater 718



1) variable: - A variable is a property that can take any values. Eq :- 14 age = 100 age = ar wriable: Ages = [24,25,26...] - Tues different types of variables; Quantitative variable - Measured Mumerically & Mathematical operators?

En: Age, weight, height, rainfall (cm) temp, dislamee. @ Qualitative variables -> categorical variousles Eg - Gender, Types of Flowers, Type of Movies. Based on some Characteristics they are grouped together?

Quantitalire Variables Continuous variable Discrete variable Painfall, Reed. eg! whole Eg: No. of Bank accounts \$1,2,3,4,5} \$215}x Eg! No. of children! ASSESSMENS: - whole numbers)

ASSESSMENS: - whole numbers)

What kind of variable is: Maritial Stalus

- lategorial variable

@ Ganga liver length - continuous

B Morie duration - "

G Piniode - Discrete

FO - Continuous Discrete