Introduction to Statistics

* Def": estatistics is the science of collecting, organizing and analyzing data.

FE

* Qata: "facts ar pieces of information"

* 49: ", Height of students in classroom

2) No of sales in terms of revenue of a company. 3) salary of people in a society.

4) Ia Coj students in classroom?

* Types of statistics

1) Descriptive Statistics

of. It consists of verganizing, summarizing and risualizing

" Measure of Central Tendency (Mean, Median, Made)

2) Measure of Dispersion (Variance, S.D., Z-score)

3) Different types of distribution

eg Histogram, P.olf., P.m.f.,

gaussian distribution,

Log. Novemal dist., emponential,

Binomial, Bernoulli, Dist, Rossan

2) Inferential Statistics Defr: It consists of using data you have measured to form

conclusion.

Population Data

Sample

1) Z-test

2) t-test

3) Chi - 89. test

4) Anoua test

Hypothesis testing, P-value:

significance value.

Box plot, Violin plat, Histplat, Distribution plat

EDA - Emploratory Licites Analysis FE - Feature lingineering

ty: Let's say there are to cricket campus in Barglore and you have collected the height of cricketers from one of the camp. Ans: Heights are recorded [175 cm, 180 cm, 140 cm, 140 cm, 185 cm, 160 cm, 135 cm] · what is the average height of the entire clawroom?
· Distribution of a Data.
· 140 cm how many SD. it is away from mean.
· Note point Descriptive Question: that if camp 2. I player of camp! similar to Inferential Question: Sample data Population data * Propulation and Sample Data Population is a group or a superset of data that you are interested in studying. Population (N): sample (n): A sample is a subset of population data. example: Penit Pall -> News schannel Party A | -> 56 a Population Results of renit Aul Party B -> 30

Sample Data Lubjan Jelg ment a telgan Survey of Data Science send to Tech people denample: Types of sampling Techniques (Assignment)

