Applied Data Science Trainer: Prashant Nair

Dataset/Data that is used for performing analysis or intelligence extraction

POPULATION
[universal set]

g: XYZ company -4 branches DEL, Bom, CHN, BUR -each branch 100 emps.

igiven dataset can be considered as population if it contains all 400 records

*maths *
(accorate)

SAMPLE

subset of the population that represent the entire population

eg: XYZ company

- 4 branches

DEL, Bom, CHN, BLR

- each branch 100 emps.

in given dataset can be called as savople if it contains balanced seconds of each boarch

data.csv -> 12 seconds

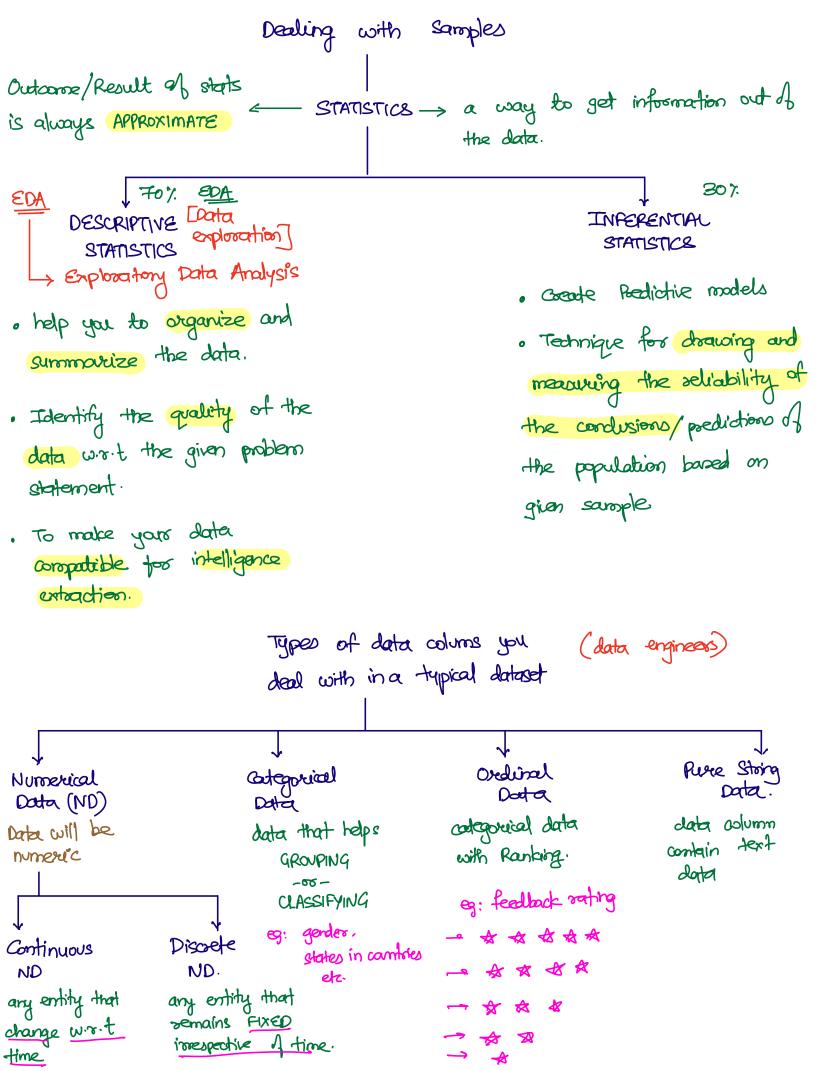
DEL -> 3 7 -> 12

BOM -> 3 7 -> 12

CHN -> 3

BLR -> 3

* STATISTICS *
(approximate)



Practical: [Historical Data]

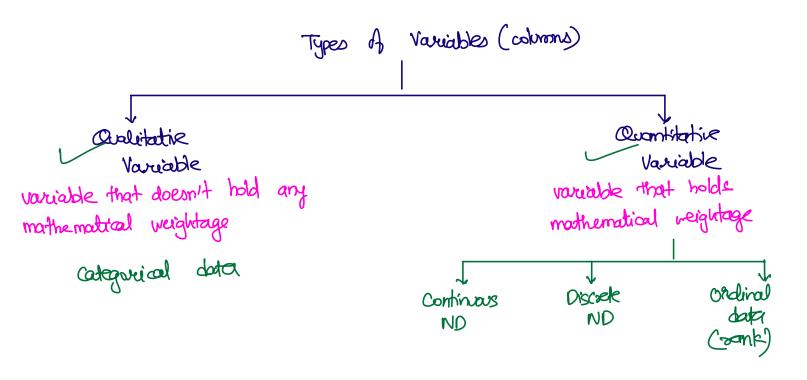
if range is defined by the domain for the column:

Discrete ND

else

CONTINUOUS ND

eg: weight (human) eg: SAT



Descriptive Starts -> Data Exploration > EDA (Explorationy Data Analysis)

Descriptive stats is the first step to deal with sample. Typical operations that a data analyst/data scientist/business analyst perfor include (not limited to)

- 1) Check the type of DISTRIBUTION for each NUMERICAL column.
- (B) Identify and deal with INAPPROPRIATE data
- 3 Identify and deal with OUTLIERS
- @ Identify and deal with MISSING VALUES
- 1 Identify and deal with CATEGORICAL DATA
- @ DISCOVER any
 - @ ASSOCIATION
 - B RELATIONSHIP
 - @ PATTERN

between two or more variables/columns in the given dataset.

WORKING DATASET

INTERNAL
DATASET

Generated, managed

Working DATASET

StreenAL
DATASET

data that sourced

data is generated, managed and maintained by same organization data that sourced from third party or from open sources like social media, surveys etc