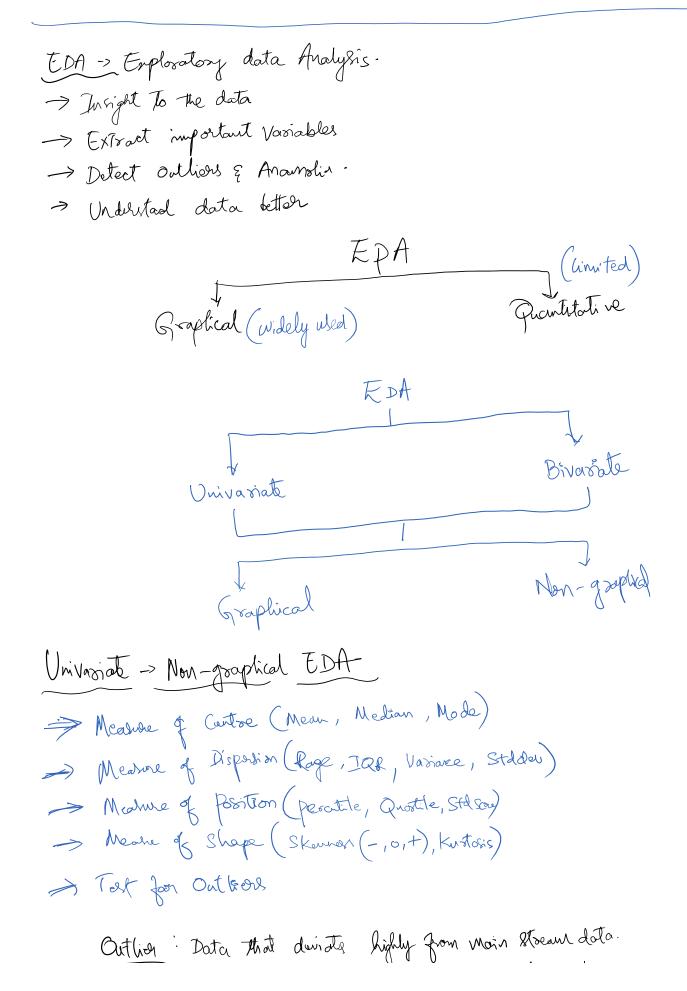
Saturday, July 2, 2022 5:58 PM

Data > let of Recorded facts > Information: Processed data with Data Categorical (qualitytive) Newschild Continus (Decimal) Discrete (whole) Ratio. Interval Variables: Represts an introum value / value that chages Variables Dependent Independent Control Statistical Analysis -

> Population (Entire data som Popelation Descriptive Stats Position Dicharged Central Tadrey Pexulie Quotile Stil sis Median Mode (midle) (most feat) Std deviation Vasione IQR (Max - vin) JOR, Inter Questile Rage 50, JQR=03-01 Variance o Measurent of how for a number is from Mean. X > data point $S^2 = \frac{\xi(\eta; -\pi)^2}{2}$ > Total data pts.

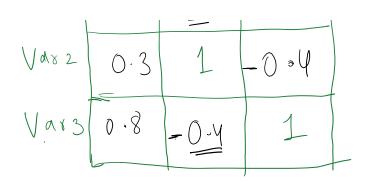
-> Total datapts. -) Root of Variane Sta den T= Variance Knotoris : Peakedness Skewroes : Symetry Parive Normal Negotiv Poverlie Divide data in to 100 posts equally > each port is 1 people - 4 posts-Standard Score: How many Standard deviation, a Value is away from n > Data point N-> Man > Std deviation Sol(Z) 75K 46 0.96



New Section 12 Page 4

Outlies : Data that deviate highly from main stream data. Data >/< 1.5 * IR > Generally considered outlier - Box plot to identify outliers. 1.5 * Iar 1.5 * IOR 75% Potential 25% 01. Ostion. IQR Outhors Skuress: Measure of lack of Synutof Symptoic > Stevell is 6 Positive Skund/ Right Stowed Negotive Stewed Kurtosis : Measure of Peakedrass (Compared to Normal dist) → Lopto Kustic (Positive) > Meso kustic (Normal) -> Platy Knotic (Negative) Universite Graphic EDA 3 Shape & Distribution -> Box graph

> Histograms > Pic chooth > Box plot > Quantiles > Outlies > Scatter plot	
Bivariote EDA: Plot the graphic	
Bivariate EDA > Non graphic. Solvariance Help to identify Correlation	By the hough relation by various.
	Degree of the relation of Variables
-> Only disection	Direction + Strength
Sold	Je veam Sweater 2 temp
Corrlation -> <u>Pearson</u> , Spearman	L, Kandall
Vax Vax 2 Vax 1 1 0.3 Vax 2 0.2 1	



Comation & Chage in one variable is limited to another which has no relation withe the Variable

Bivariate EDA: Graphical

-> Scatter plot (Outliers, Postive/Neg, Derlity, Tsend,)

-> Heat Map (Highlight the important & Not imported onl)

Gride for graphic EDA

Variable

Catogorical

Univariate + Contians

Bivariate + Continos

objective

Idea of Distorbution

Outhors

Relation by Variables

GEDA

Bar, Pie

Line plot, Histogram

Scattorplot

Grap EDA

Histogram

Box, Scatter, Histogram

Scatter, Cov & Coxx

Cross tob

Gender People Total

New Section 12 Page 7

State	Gender	People	Total
KA	M F	2 5	7
TN	M	3	9
KL	M	1 2	3
HP	M F	8	12