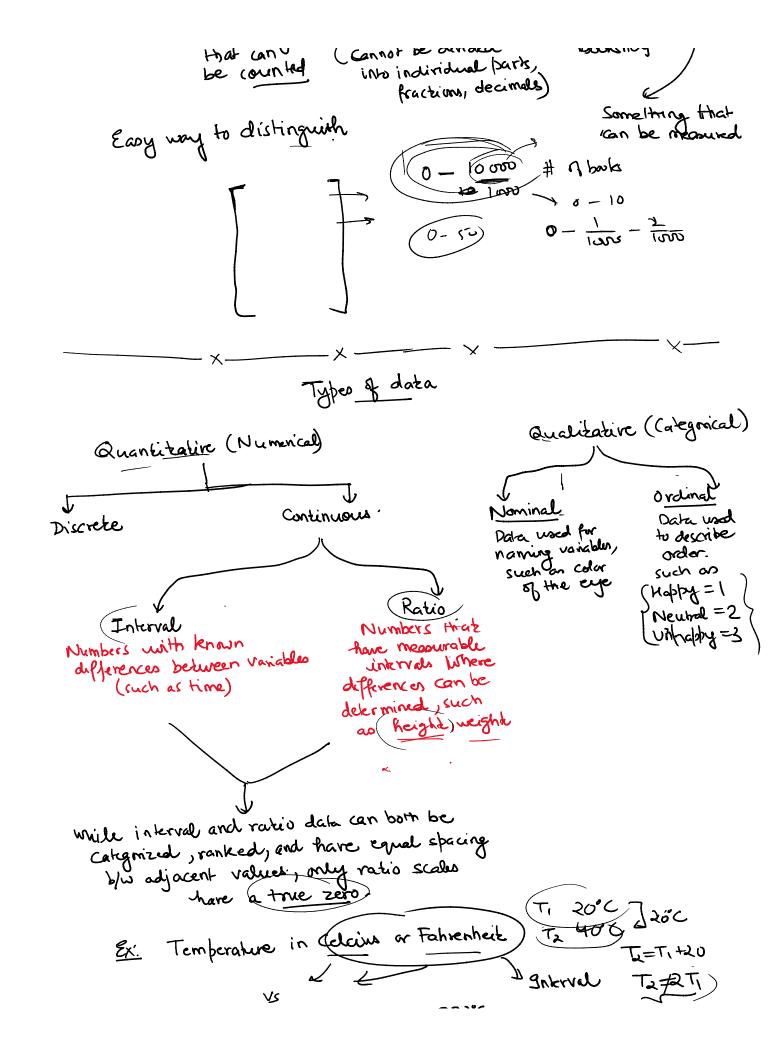
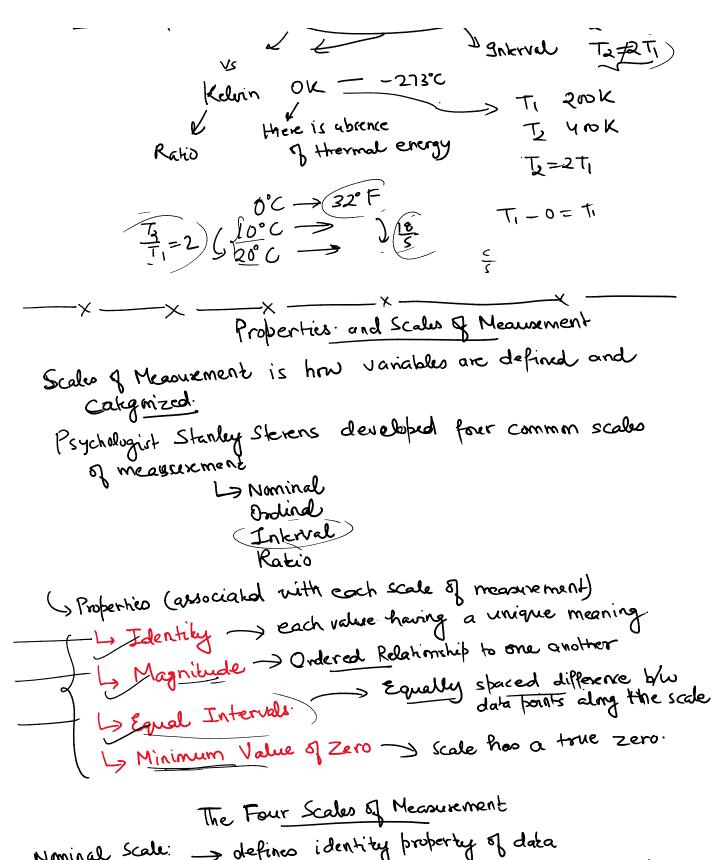
	: Introduction to Statistics	SX-loarn Pandas Mut plotlik	- -	
	Linear Algebra	Optimozahan	Pythan	Statistics
X	Lots make	a deal -> Ma 2 3 -> Khul Groat	- Ophme	el Strangy o always <u>Sinteh</u>
	Participant picks Cav = 27 Croat = 17	Sarikh Sarikh Sarikh Cav Cav	4	Cox 3 Suntehas Locus Wins Wins
*	1/2'° H	ТИТ Т JIO ТТТ- N- N JIO	,	
*	NV	Dex	cn/shre_Statis	
X-	Sampling.	A pool	-> How -> What nubal needed	to sample nully) is the minimum or of samples for a "good" estimate?

20 mpr. 1 needed for a "gwod" estimate ? Sample size Data: Most valueble entities L> Types of data and scales of measurement Paka at the highest level can be broadly classified into two categories. Quantitative (Numerical) Qualitative (Categorical) Defines information that can be counted/meanered about qualities, information that ear't Lihersht, width, temperature, be measured (like color of eye hype of car one drives speed, etc. type of business owne House frice prediction # of rooms } Quant) Categorize them "Yes" or "No" answers Type of neigh. Quantitative A bookshey with (100 books and 100 cm) tall La color is red) analitative Quantitative data can further be broken into two tapes Con firmous. Discrete Height of the # of books / bets (cannot be divided busksheyinto individual bark, be counted fractions, decimals)





Nominal Scale: -> defines identity property of data

No form of numerical meaning. Data can be placed in

Categories but cannot be multiplied, divided, added.

This also not possible to measure differences by data (Hz.

: 1h moder: " Cold, warm, hot, very hot"

It's also not posser

- · Nominal with order: "Cold, warm, hot, very hot"
- without 11: Male and Fernale
- . Dichotomocus: "Yes" and "No"

Ordinal Scale of Measurement:

Le Data is placed in a specific order While each value is ranked, there is no information that specifics what differentiales the categories from each other

Ly values carry be added or subtracted

Interval Scale of Mecousement:

hoperhies of nominal and ordered date, the difference by data points can be quantified.

They can be added to sor subtracted from, but rean not be multiplied or divided.

Ext. 20° (is not 10° c multiplied by 2.

This scale is also characterized by the fact what number zero is an existing variable.

Ratio Scale of Measurement: of has all four properties scale has a 'true zero'