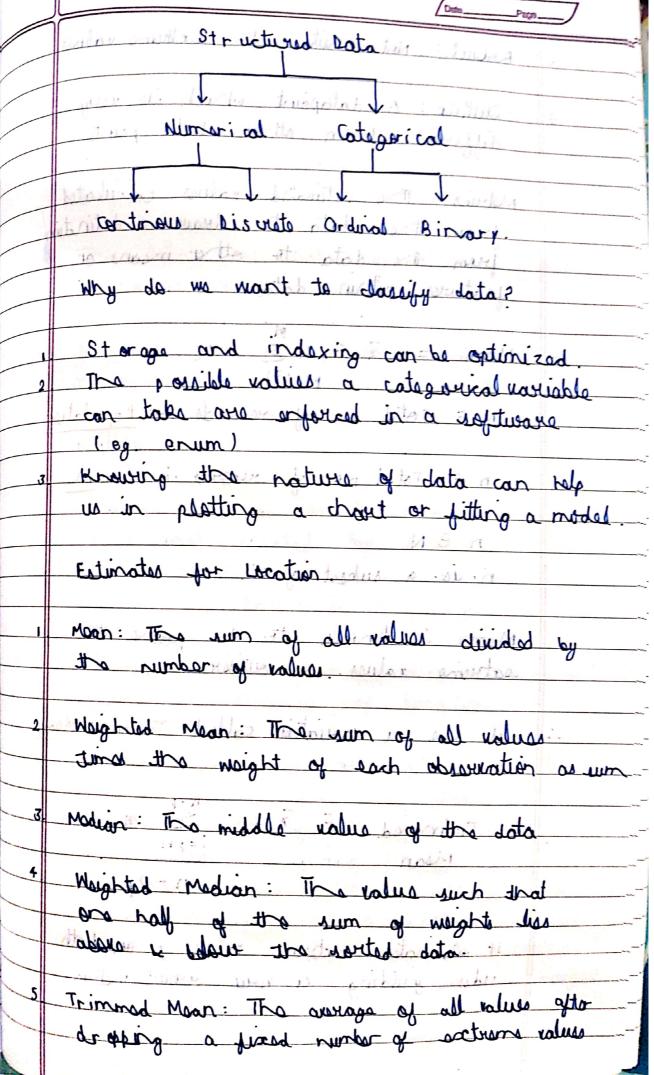
	THIS.		
	Practical Statistics for Machine Lawring.		
	Practical Statute		
	Lata Types is otal to be a second		
\· 1	Take on any		
	Cantinals later		
	atomol and a second		
	to to to to		
2	Discrete: Data that can according		
iller	integer values.		
3	Cate garical. Land representing		
•	a spacific sal of catagories		
	a sat of possible with orly tree parible		
	Burary in parta with only tues parible		
4			
pene	cotegories (0/1, some data that has		
4, 1, In 5	Ordinal : Male gorical		
•	explicit ordering.		
	Example: X		
1.	Continous: Wind speed Time duration		
: b : l . b . b	1. 10 10 (1: 0 0 = M)		
2	him to Count at manyange of whent		
N	Number of persons in a population		
. 3	Categorical: List of states in country		
4.	Binary: Span mails		
5	Ordinal: T-SHirt Sizes (S, M, L)		
	Coopped with ComCoop		



SURYA Gold

wellow anontra at antimar ton : turder 3
7 Cuttier: A datapoint which is very different from other data points.
natrics. The estimated natures calculated from the adata to draw a distinction from the data to other means or
factures within a dotage
1- Mean 1= in 7 gaxin & bright will be a fine of
railor = Total horiginards or Population
and Total naccords in Sample
nen
n is a subject region! we established
est energy as at new williams another
.: Who we a variation called Trimmed Mean
Mean i= p+1
It Mit notes
sides judding a walker on both
Scanned with CamScan

	SURYA Gold	
	Majortad maan = = = = = = = = = = = = = = = = = =	
	wind with the state of the stat	
	mo use maighted many be will	
	nariables are more intrurie than at my	
	and highly nariable values are given lever	
	The state of the s	
2	The data does not while u	
	TOOSWA SOUNTIN	
	s - is a contract of the state of the	
•	modian: Sout the values in overding order	
	I was a find middle train	
	I) in is often than find around at	
	Standard deviation anseat albein	
	The state of the s	
	median is a rebout estimate because	
) }-	it is not affected by outliers in	
	The second secon	
1	Estimates of Variability to 22 1000	
	V T	
	- boureado reserted examples at : anatomas	
	values and estimate of elecation	
2	Variance: The sum of squared deviation	
1	from moan whiledad by n-1 where n	
¥	is the number of data pointment	
	rand will ough brokrait att to	
3.	reisreduce for erussem : reitenal broken To	
	earning to take a character si stationes	
4		
	Karge: The deflarance lasturean the largest	
	and smallest value in the data	
	Naval a	

5 Per cartile: The radius of 1 percent of the values take on the do for Love and 1100 - 1) parent toke on the value or many c 1- Quartilo Rargo: The difference botuseon 75th parcontile (3-10R) and 25th partontile (1-10R) Moan Absolute escription = = [7; -] Standard doviation = \\ \[\leq (\gamma-\bar\alpha)^2 \\ \\ \quad \quad \text{n-1} \] S = Invariance Dogree of Freedom: ne must not an bon 1- n ew she calculating varionce If we use intuitive donamination in samitre basaid a their que bra an arrairon However, if we divide by n -1 instead of n, the standard desiration becomes an interestante sondre no this starrite besid up rarow an denominator or is that formula for extendarid desiration is having man of n source n

SU	IXXA Gold	
Date	Page	7
dity in	odt i	nangken e

madian absolute deviation (MAD).

MAD = Madian (In, - m/, In, - m/...

ushara m is the modian

or > Moon AD.

Extinates Based on Rar centiles

when the data is serted the estimates are called order statistics

Range = Langert - 5 mollest

total of the value of the value at the tracet of the value of the valu

Inter-quartile range: The difference between -

Example: 3,1,5,3,6,+7,2,9

10 R = 6.15 - 12: 5 = 14.000 drugs

Per contile ((P)) = (1-W) 2 (3) Ft N2 (3+1)

 $\frac{100 + j}{n} \leq P < 100 + \left(\frac{j+1}{n}\right)$