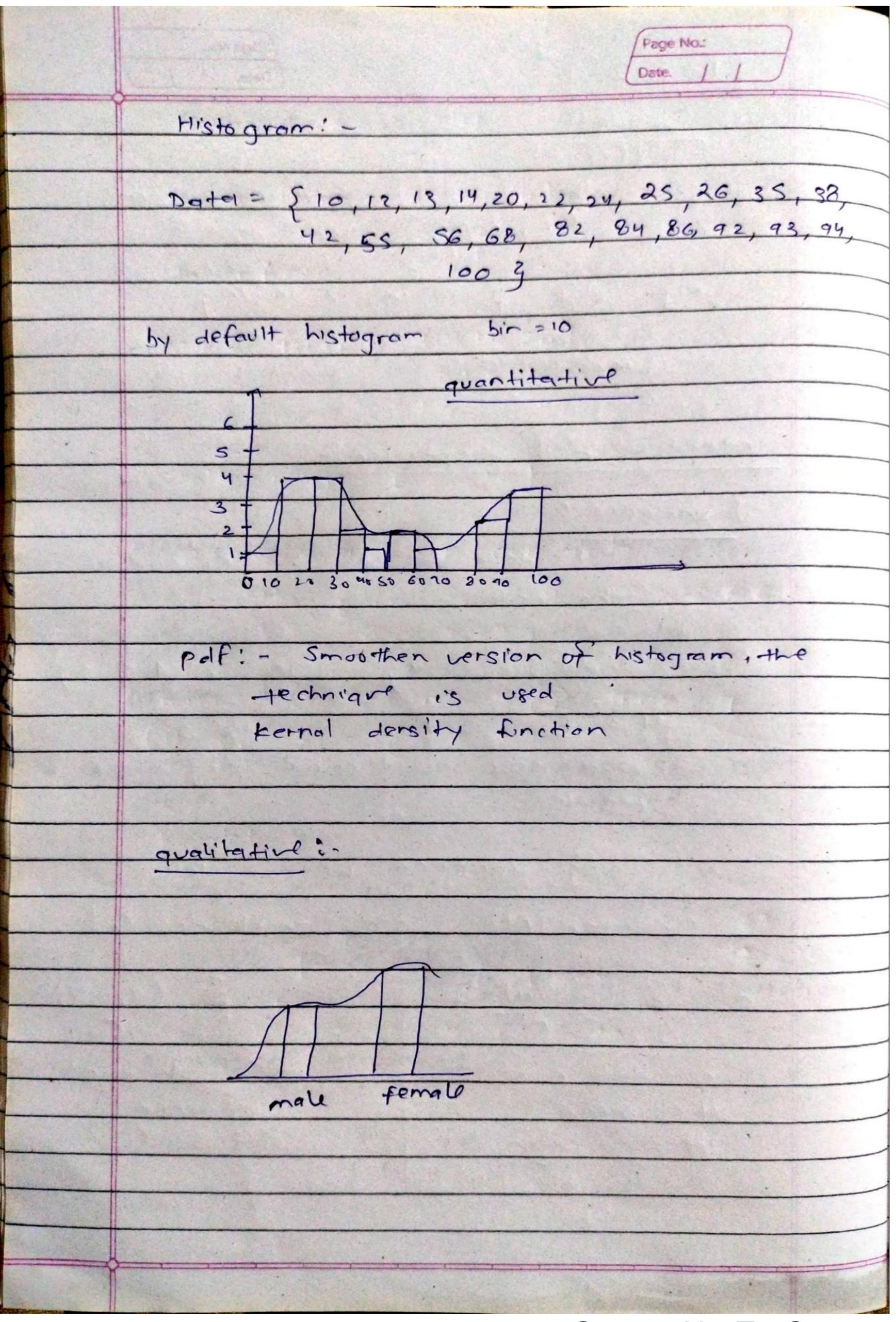
[Day-27]	Page No.:
-lifferent type	
Discriptive	Interential
- consiste of	
and and and and	-collect sample data make conclusion of population data
8.45 - PIA-1: U-311-	hased on sample
- includes	-includes
Contral tendency	- Hypothresis testing
iii) median	
(a) measure of dispersion	
ii) Standard deviation	students.
eig" Height = { 160; 132, 150, 140, 157)	
Discriptive - what is	mean, median, mode data.
inferential - taking sample predict the breight of 1000 students.	

		Page No.: Daties * 1
0	measure of centr	al tendency
	576 374 384 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Antagara de la
	i) Mean	
	Population (N)	sample (n)
	-34 A934 3-44	- Parkennangist
	4 = E xi	x = 2 x1
	je 1 C	1=1
All from	Algorita a daniel and	The set of the least of the second
	presidente appoint	to me parking and
	Age of students =	50, 12, 15, 17, 193
	man no desente	
	M = 10 +12 +15 +17	+19 = 57.8
	5	
	-9 hills at a second	e e louis d'elle
	ii) median:	The many to the
		malphani itanden
	Suppose Age = $510,12,15,19,193$ then $M = 57.8$	
	IF re add 87	in Age
	then Age = 510;	
		F. Smill
	a designation of the second of	entermeta (ti
	In above 1954 89	become outlier
	to remove that	ne use median
	for even alata	Set - arrange in asc
		tuerage of the middle
		valves
	Addition of many many	
	for odd data	
	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	ridde value.
The second second		Soonnod by TonSoonno

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		Page No.:
		Date.
	iii) mode!	State of the state
	fre data v	ho had maximim
	- egveny	called model P
	eig. Age = 5 10,	10, 12, 15, 193
	mode = 10	
(a)	measure of disper	
	- 012 5112 250	2.00.2
	i) variance:	
	TH Hells of	sout the spread of
	-the dota.	373.600
	eig Age = £2,2,4,43 Age = £1,1,5,53	
	er = 3	M=3
	ne con son abo	out spred using above
	results-	F 34.0 5
	but using varionch	e me con tell.
	Population (N)	sample data (n)
		S S S
	02 = 2 (xi-11)2 i=1 N	$S^{2} = \frac{2}{5!} \left(\frac{x_{1} - \overline{x}}{n} \right)^{2}$
	iel T	121
	x; 2 data points	sci - data points
	el = mean	Te - mean
	rl = size	n - size

	Page No.: Date:
e -9	Age = 52,2,4,243 Age = 51,1,5,53
	H=2+2+444 MH=1+1+5+5 Y
	M=3 3
	or; u (or;-4)2 or; u (26;-4)2
	2 3 1 1 3 4
	4 3 4 3 4 3 4 3 4 3 4 4
	N=4 \(\(\times (\times (\times - \times)^2 \) \(\times (\times - \times)^2 \)
	= 4 $= 16$ $= 16$ $= 16$ $= 16$
	$ \delta^2 = 1 $
1	data is less 1, data has more
	Spread
	Somple variance.
	$=) S^{2} = \frac{2}{2} (2x - 7x)^{2}$
	i=1 (n-1) Bessel's correction
	population, variance:
	$5^2 = \frac{2}{1=1} \frac{(x_1^2 - \mu)^2}{(x_1^2 - \mu)^2}$
1	



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Page Ho. five number summary Here @ minimum using this we @ first quartile can create buxplot 3 median TO SOUTH THE SHOPPING (4) Third quartile (3) maximum It is used to remove outlier! data = \$ 1,2,2,2,3,4,5,5,6,6,6,6,7, 8,8,9,279 Here 27 is outlier. PINON TENDER TO THE PARTY OF TH to find this. [lover fence > higher fence] 019 25% + lover fence = 01 - 1.5 (1012) 033757. higher fence = 03 + 1.5 (IOR) IOP = 03 -0, 0, = 25 x (1941) = 25x201 = 5th index 03 = 75 × (19+1) = 75×201 = 15th index

Page No.: Tar = 7-3 - 4 lover fence = 3 - 1's (4) and the same of the loner fence = -3 Williamies . A cont. 16 Soll sends shows and nigher fence = 7 + 1's (4) = 716011 april 6011 = 13 WOND TO JUNE THE data range : C-3, 13) :. 27 is outlier in our data i.e. ddfa = \$1,2,2,3,3,4,5,5,6,6,6,6,6,9, (2) median = S (3 melter feater a galt 1.0 Crass median

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