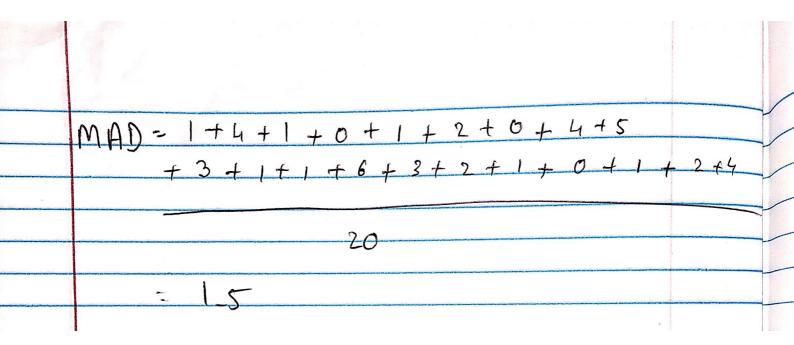
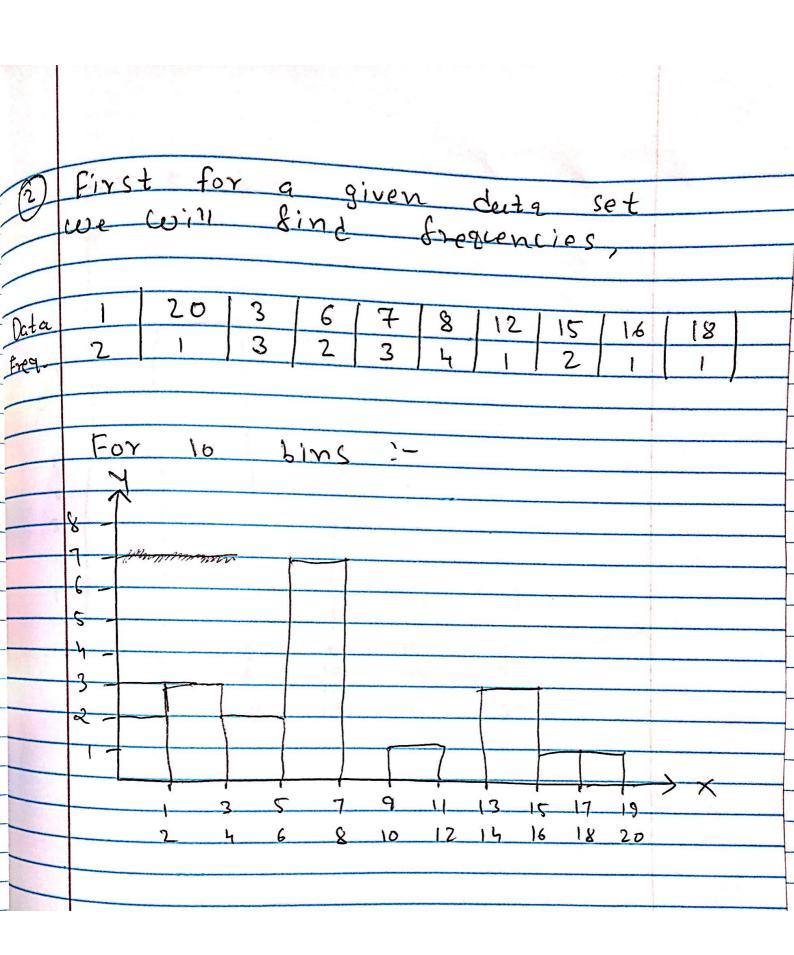
TCSI 531 / HW 4 criven Data Set = 3,8,3,4,3,6,4,8,9,1,3,5 10,1,2,3,4,5,2,8 First we will Sort the Data Set, [1,1,2,2,3,3,3,3,4,4,4,4, 5,5,6,8,8,9,10 Range = Max - Min = 10-1= 90 Mean = Sum of all 92 elements = 20 = 4-6 Total elements Median = 4+4 = 40 Because total exements = even)

Variance = E(x, - x)2 = (3-4.6) + (8-4.6) + (3-4.6) + (4-4.6) + (8-4.6) + (8-4.6) + (9-4.6) + (1-4.6) + (3-4.6) + (8-4.6) + (8-4.6) + (10 T (4-4.6) + (5-4.6) + (2-4.6) + (8-4-6) + 7-3052 Standard deviation = Variance

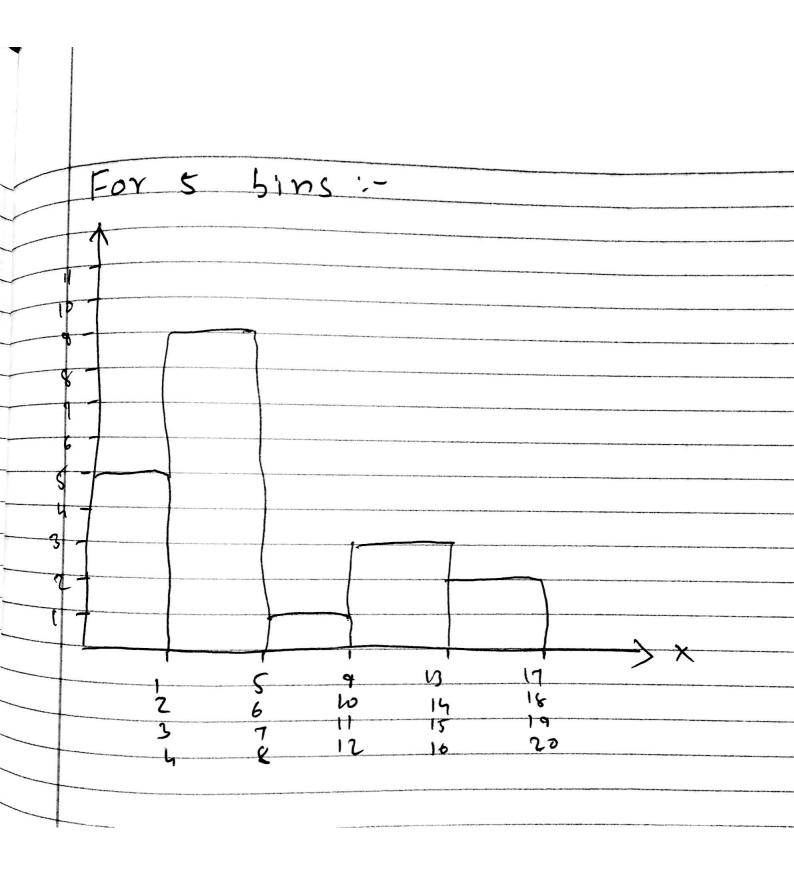
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Data Set 1:-Sooted Data = 1,1,3,3,6,6,7,7,7 8,8,8,12,15,15,16 18,20 10 percentile: land 3 25 percentive: - 3 and 6 50 percentive: - 7 and 8 75 percentive: - 12 and 15 90 percentle:- 16 and 18 22 20 18 75 % 50% -10-/-

Data Set 2:-
Sorted list:-
9, w, 11, 12, 12, 15, 16, 16, 16,
(7, 17, 18, 18, 18, 18, 22, 2 5
25, 26, 28
1 2 6 1 2 8
10 perentle - Lo and 11
25 persentle - 12 and 15 50 persentle - 17
75 persenne - 18 and 22
no percentle - 25 and 26
26 7 90./_
24
20 75 %
18 50-/-
25 1/2
12 10 7
S S S S S S S S S S S S S S S S S S S
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