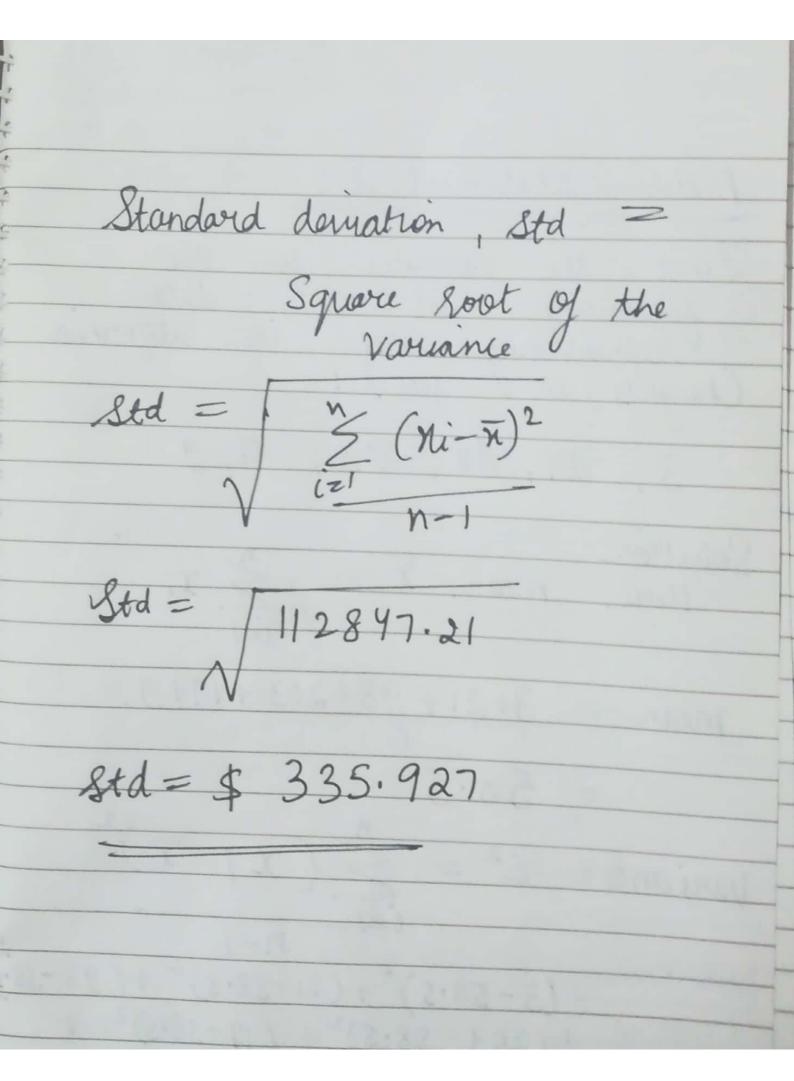
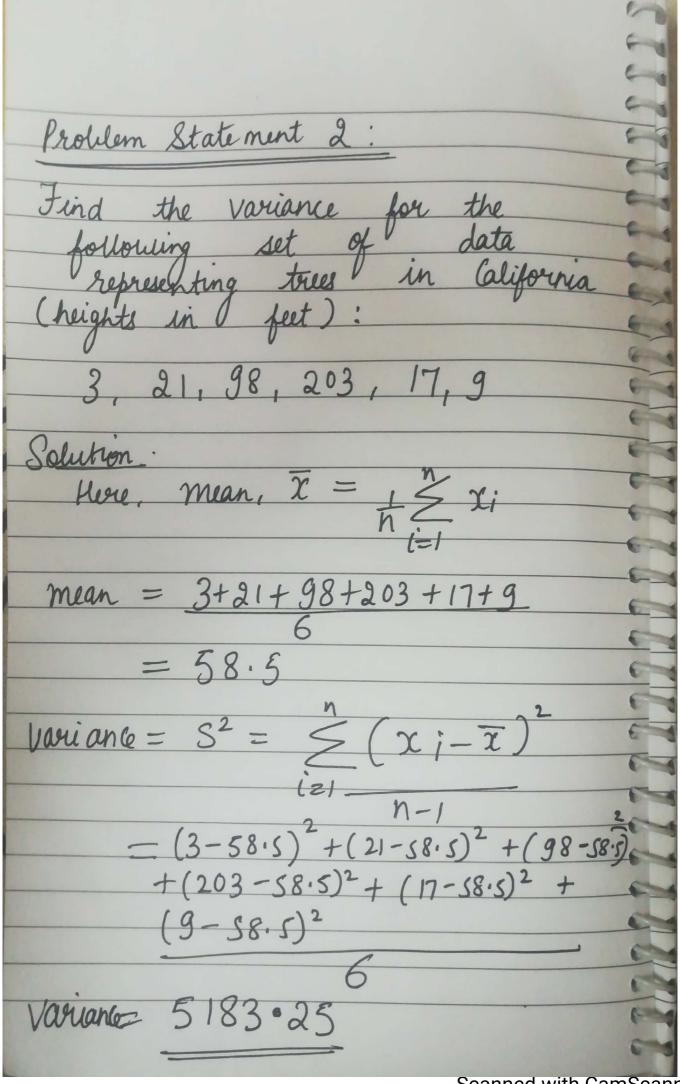
STATS ASSIGNMENT 1	
Problem State ment 1:	-
- South State Men 1.	6
Varia Suguer barreholde in Morry Og	.00
Your survey households in your are to find the aug rent they are paying. Find the 1std. demation from the foll data	e e
to find the ang rent they we	-0
paying. Find the Usta.	-
demation from the foll data	4
	6
\$1550, \$1700, \$900, \$850,	6
\$1000, \$950	6
7 (000)	80
Solution.	C
<u> </u>	6
Here, nz6	-0
	-6
mean, $x = \frac{1}{n} \leq xi$	-
(2)	0
- 1000 Lagon Lagon 1 con 1 con 1	0
= 1550 +1700 +900 +850 +1000+950	-
6	0
= 6950 = 1158.33 mean	-
	-0
6 2 1 /2	0
variance = S2 = 5 (xi-x)	0
(21 - n-1	1
Variance 2 677083.28 - 112047 01	0
Vallance 2 0 11003 28 = 112847.21	0
6	8
	8

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Poloblem Statement 3: In a class of 100 students, 80 passed in all subjects, 10 failed in one Subject, 7 failed in 2 subjects and 3 pailed in 3 subjects. Find the probability distribution of the variable of number of subjects a student from the given class has failed Solution - Total Students = 100 Students passed in all subjects = 80 Therefore, failed in O subject = 80 failed in 1 Subject = 10 failed in 2 subjects = 7 Probability of ->
Failing in 0 subject = 80/100 failing in 1 Subject = 10/100 failing in 2 Subjects = 7/100 failing in 3 Subjects = 3/100 tapected no- of subjects a student has failed = 0 x (80/100) + 1x(10/100) +2 x (7/100) + 3 (3/100) = (0+10+14+9)/100 = 33 = 0.33 100

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