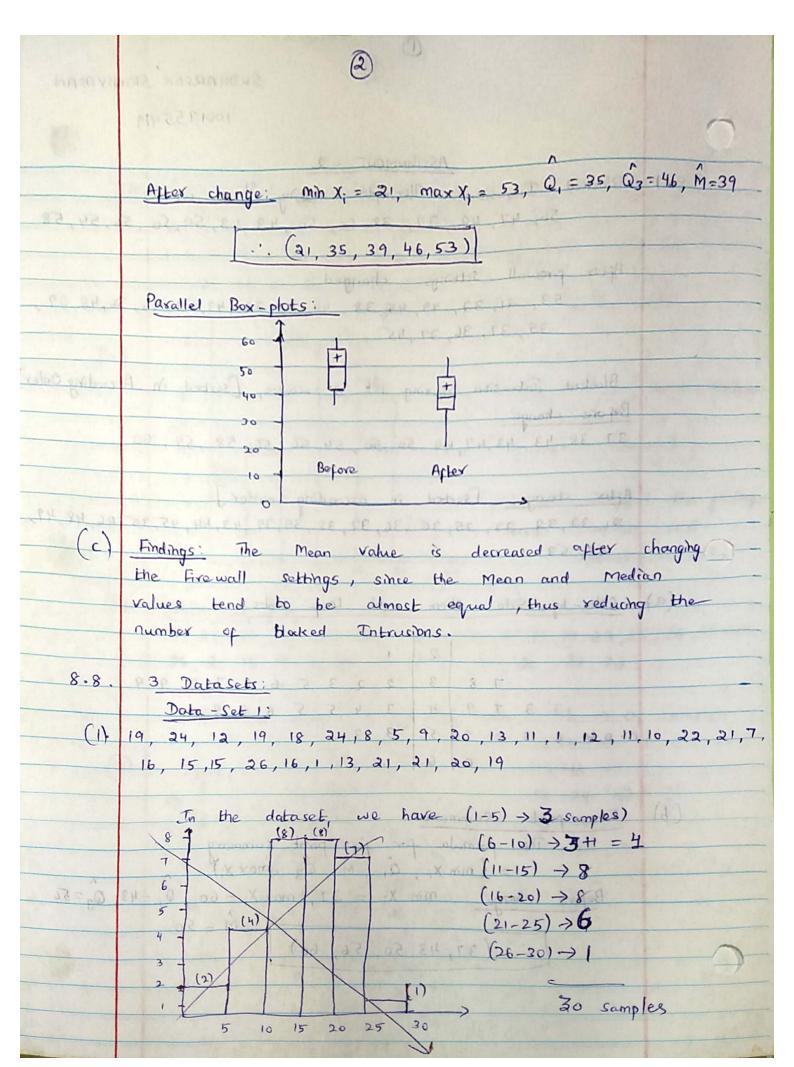
1	ASSIGNMENT -2
148	Blocked Intrusion Altempts during 1st 2 weeks:
	56, 47, 49, 37, 38, 60, 50, 43, 43, 59, 50, 56, 54, 58
	CALLER STREET (ALLERS STREET STREET)
	After firewall settings changed i-
- Commence	53, 21, 32, 49, 45, 38, 44, 33, 32, 43, 53, 46, 36, 48, 39,
	35, 37, 36, 39, 45
	Blocked Intrusion during 1st à weeks, [sorted in Ascending Order]
	Before change:
	37, 38, 43, 43, 47, 49, 50, 50, 54, 56, 56, 58, 59, 60
	Parland Parland Parland
	After change: [sorted in ascending order]
	21, 32, 32, 33, 35, 36, 36, 37, 38, 39, 39, 43, 44, 45, 95, 46, 48, 49,
property	153/253 horningh of makey moon and appelled ()
0.0	the frewell strongs, some the Moon and med
	Side-by-Side Stem and Leaf plots:
	1 2 1 marbor pay Harry Colougnas 15 15
	2 1
	78 3 2 2 3 5 6 6 7 8 9 9
	3 3 7 9 4 3 4 5 5 6 8 9 100
10, 22, 6	0104166819951 3 93 49 91 91 61 40 91 (1)
	16,05,15,15,15,15,15,19,19
	19-39 60 (19)
( , \	

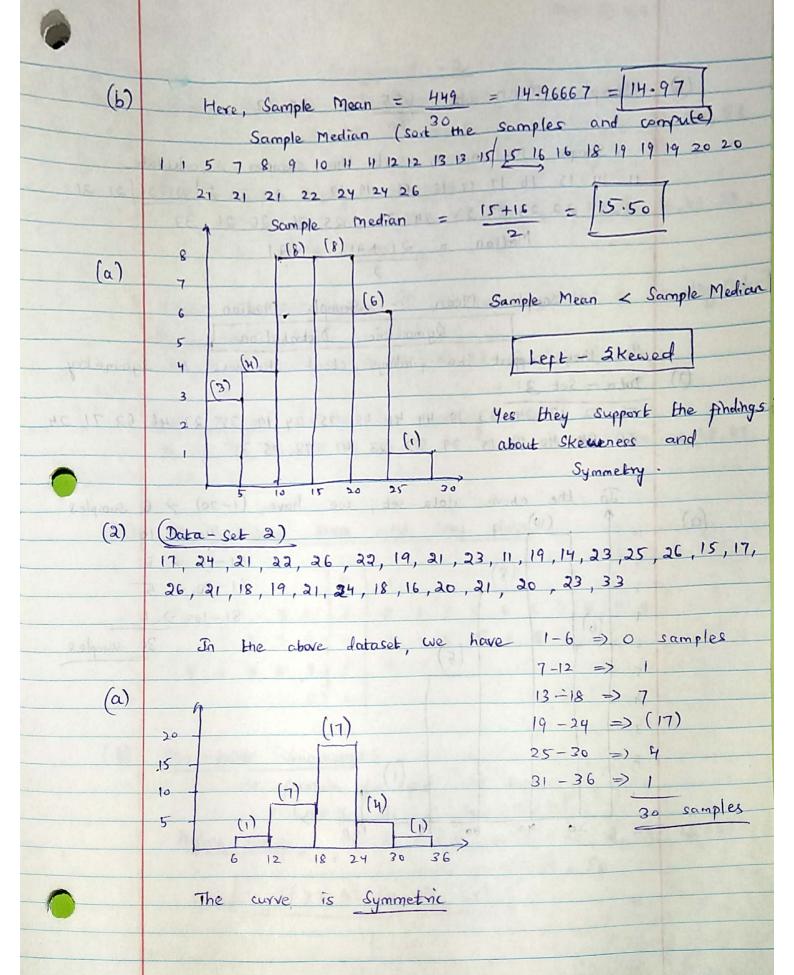
Five - point Summaries!

The formula for five - point summary  $= (\min X_i, \hat{Q}_i, \hat{M}, \hat{Q}_3, \max X_i)$ Before charge  $\min X_i = 37$ ,  $\max X_i = 60$ ,  $\hat{Q}_i = 43$ ,  $\hat{Q}_3 = 56$ , (37, 43, 50, 56, 60)

10 15 20 05 120

30 samples





(b) Sample Mean = 1239 = 41.3

Sample Median > sort the samples & calculate, 13 15 15 18 18 19 23 24 27 33 34 35 38 39 40 41 41 44 46 48 52 53 56 62 66 71 75 78 94

Sample Median = 39 +40 = 39-5

Sample Mean > Sample Median . Right - Skewed

Yes they support the findings about skewness & symmetry.

Q3. Input Samples:

ON

69, 47, 175, 70, 53, 64, 74, 52, 58, 53, 64, 49, 70, 65, 70, 16, 67, 55, 42, 72, 61, 65, 77, 70, 60, 39

(i) Sample Mean =  $\frac{1657}{26} = \frac{63-73077}{26} \Rightarrow \frac{63.73}{2}$ 

Sample Variance =  $(x - \overline{x})^2$ 

Connecting to all x = x = x = date

we what has some 691.489 particles and should dovice

Standard deviation = Variance = \691-484

(x-x) = 26.29609 (or) 26.2961

(ii) Parameters of Normal Distribution (µ and o)

Drease of Normal Distribution, Sample Mean is equal to Population Mean

Sample Moon = Population Mean

$$X = \mu$$

$$[\mu = 63.73]$$

Standard deviation = 5

(for Normal In

distribution)

(iii) Eliminate Outliers:

In the given sample, outliers are 16 and 175

Eliminating 16 and 175 from the sample data we calculate sample mean, variance and standard deviation

(a) Sample Mean = 1466 = 61-083

Sample Variance =  $(X-\bar{X})^2$ 

= 106.94

Standard deviation = Variance = \$\sqrt{106.94}\$

Parameters of Normal Distribution (4 and 5) (6) Encase of Normal distribution, Sample Mean = Population Mean  $X = \mu$   $[\mu = 61.083]$ Standard deviation = 5 σ = S.D. χ√η = 10.3416x √24 r = 50.6632 Since the population follows Normal distribution. (0) eliminating the outliers did improve the accuracy of the estimate.