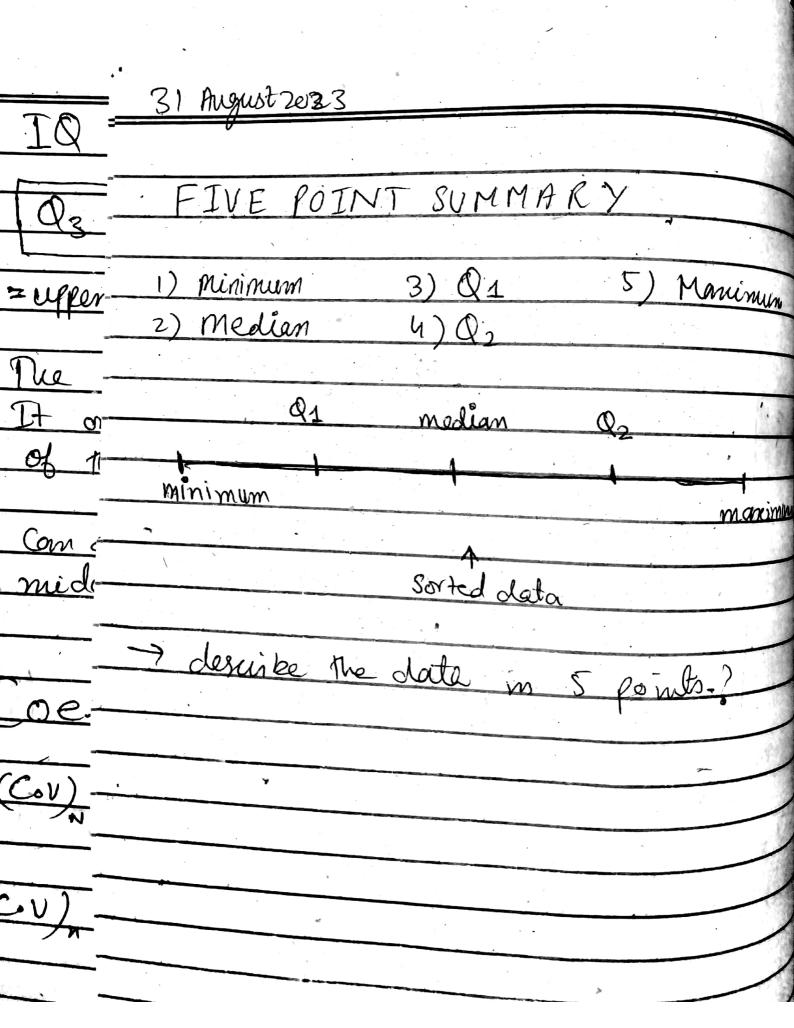


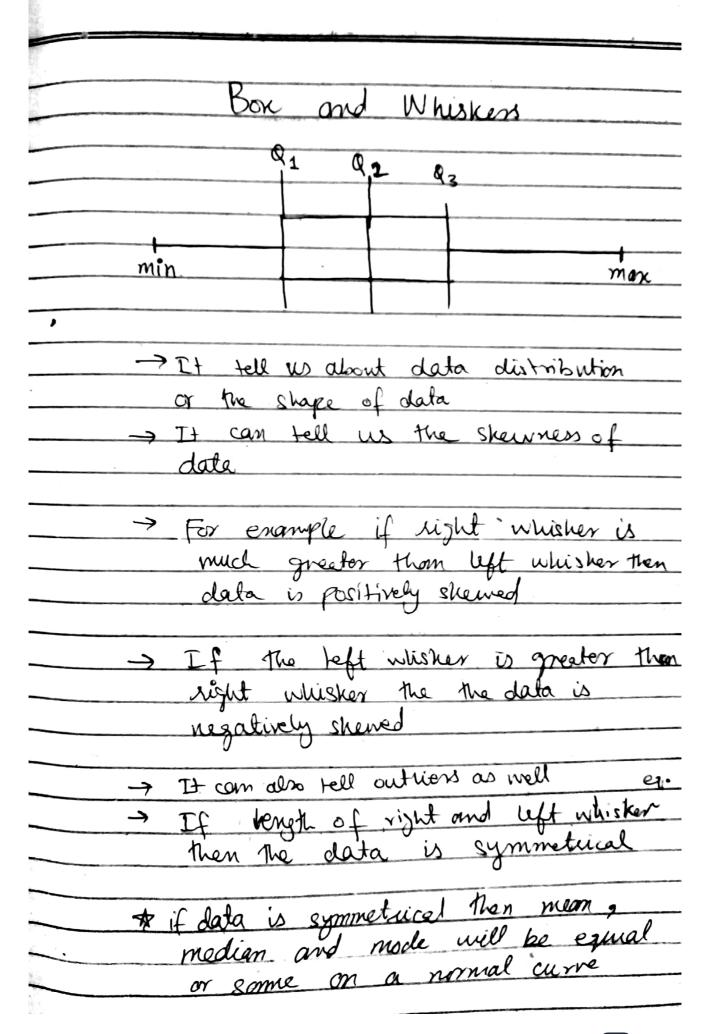
Q => A home	theatre in	a box is	J
espiest wa	y to provid	le sound sun	rond
for a l	10me ente	extainment ce	enter
A sample	e of osico	s is shown	
The Reice	are for	models w	iH.
0 000	clayer and	for models	without
a DVD	planes	701 1100000	0017700
a DVD	p wager.		
DVD compatabl	e Price	Simple Model	Prices
y	uso	•	300
	300		300
	400		36.6
	200		290
	402		300
	,		
		- ×	(=310
average of DV	10 = 410		
std deriation = $\left[ \leq (x - \overline{x})^{-1} \right]$			
V N			
- 862500 - 6050)2			
	1 5	28	
	= 5172	500 - 168100	
	= 660	33 '	laka. Silkondo us rongino - esp-anormisionensem
	= 74.1	6198.	

Std der of simple = 483700-(3107 36.8781 Wallpole 8- 1077 and 1.21 honework SOD esiample 21921 \_ (210)2 110,27

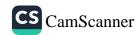
31 August	2023	EX	AMP	LE	of	CV

	0		CL of CV
	life in	hours an	d price in
Su	pees: 2 d	latasotis	o price in
		2005. 8	
Price R	KR	life (h	м)
X	$\chi^2$	×	1,2
8	64	130	16900
13	169	150	22500
18	324	180	32400
23	529	250	625 ov
30	900	345	119025
			119025
			)
→	estimate disp	cersion in both	datasets:-
	= 18.4	(PKR)	
X,	= 211	(life his)	
800	) of X =	En2 -/	٤xjz
	Sol of $X = \begin{cases} \xi x^2 - (\xi \overline{x})^2 \\ n \end{cases}$		
	=	Ex2 - (	$\overline{X}$ ) <sup>2</sup>
		) 1	
			note:-
		7.6576	X has more disp.
	^		but y has less
Sil	) of $\gamma = \Gamma$	18.383	dispon basisofa
		1 0	The 5% C.V &
Co	V  of  X = V  of  Y =	41.6 %	à good data.
Co	noth =	37.1%	





weam	
Normal curre (bell-8hayed)	
pologratical skewed (+ve)	
s new of ( v )	
Q ( ( ) ( – ) ( – ) ( – )	
chasionization strevel (-ve)	
	,



\* so calculate fences, (unuts)

min Q1 man Q3 max
Symmetrical or normal
3cm :3cm
min Q, mean
+ ve
Skewed
2cm Scm
mean
-ve
min Reved
mean = mode = medien (symetry)
mean > median > mode (+ve skew)
mean (median (mode (-ve skew)

## Calculate Fences

Lower limit = Q2 - 1.5 (IQR) Upper limit = Q2 + 1.5 (IQR)

I Any data outside of upper or lower limit is is for sure an outlier-

outlier with this dia gnostic test of Fences, but that will be deficult

Example

 $\rightarrow$ 

Time in seconds for 12 vehicles to exit a parking lot in a Specific location 8-

145	mean = 303.3
105	
260	
330	
250	
195	
375	

Sm	teal
	1

A A TO HO A DO MARK A TO MARK TO MAR	terrorism with the commence of the last of the	
105	105	Q1 - 150 + 180 = 165
180	148	2
195	150	,
	180	Q2 = 255 (6th + 7th)
	195	
	250	Q3 = 397.5 (9th+10th
	260	= 375+420
	330	2
	315	·
7	420	mean = 303.3
	480	median = 255
	750	mode = x
		•

