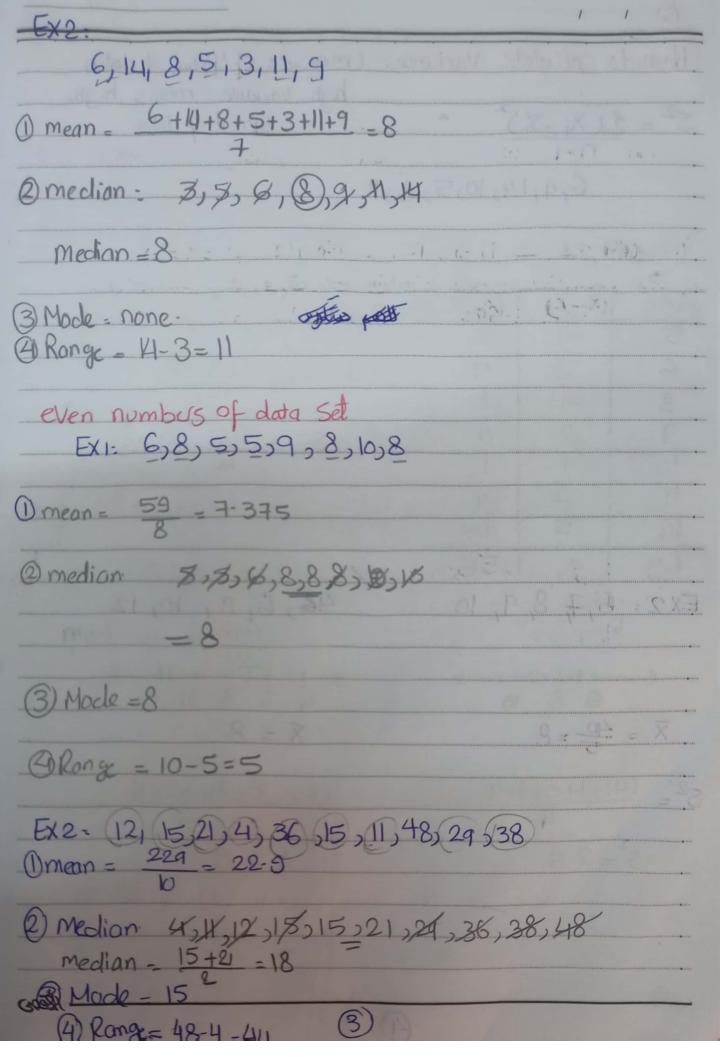
Video (1) statistics
O Descriptive Soraganizing and Summarizing data Using numbers
and graphs. It data Summary using graphs to histogram & Barguaria
Opic Charts julciful civilia (d) shape of graph and ske wines
chelilililipaniol Line graph My Skewness -
data symmetric skewed to theright skewed to left
> describe datu using numbers. measures of central of Tendency: (a) mean sample = \(\sum_{\text{Tendency}} \) \(\sum_{Tend
Population mean. $M = \frac{2}{N}$ the average n
(b) median-middle number of data set
smeasure of variability: Rang, variances standard deviation
(I) Réas

Inferential					
> using sample of data to make an inference or draw					
a corclusion of the Population.					
(il sais Go dol aino de cias Eurvey del jele lila dis as isin					
succes Probability to determine how confictions we can be					
that the Conclusions we make are correct					
(Confidence intervals and Margins of errors)					
الع كالناس الى في المسند وقاد شريده معيثه بس الما لقم وابنى					
(Sample datas) - rock 2 List igh land					
Justin de de cisco (Samples aprilliprice de de la comples aprilliprice de l					
تَقَتَ الِس فِي اللاتا بِيَا عَيَى					
0					
Omean 12,7,14,5,7,11,9					
Mean = Sum = 12+7+4+5+7+11+9 = 9.286					
n 7					
@median 12, 7, 14, 5, 7, 11, 9					
Cis 8,757,90 W, 12, 14					
تحذف من الأمل والام					
veil upó lus : median = 9					
property assess east where - s					
3 Mode = 7 appears twice.					
التربق متكور					
5 150 menilsomid					
A) Range. = 14-5 = 9					
difference between highest number and lowest number board					
J. S.					
withing broken amount of the filliant of winner					
(403)) (2)					
GW2(





***************************************	(X; -X	and the state of t	- (measure of spread of closed) high variance means high spread of closes		
Mean =9					
data. 5 6 8 9 10 11 14 63 EX 2:	-	16 9 1 0 1 4 25 56	Uprione $=\frac{\sum(x-x)^2}{n-1}$ $S^2 = \frac{56}{6} = 9.333$		
	68	0	X = 8		
$S^{2} = \frac{(4)}{5}$	4 2-5	+4	$S^2 = \frac{16+4+0+4+16}{4}$ $S^2 = 10$		
(<u>k</u> isso)		<u> </u>	13 PEN = 484 = 5(1)		

How to calculate standard deviation. 82,93,98,89,88 X = Sum = 450 =90 $S = \sqrt{\sum (X - \overline{X})^2}$ 5-64+9+64+1+4 = 5-9583 3 minimal and Medical 5 76,84,69,92,58,89,73,97,85,77 5= (-4)2+42+(-11)2+(12)2+(-22)2+(9)2+(-7)2+(7)2+(-3)2 5 = 11.709



Vidao 5: Howto Find the interquartik Range and any outliers min media well IAR = 03-01 Outliers > [[0]-1-5 I AR, (03+1-5 IAR) 5,8,15,26,10,18,3,12,6,14,11 1) Ciji 3,8,8,8,10,11,22,14,18,28 medion=11 3 5 6 8 10 12 14 (5) 18 26 IGR- 15-6=9 [9,-1.5] 20, 23+1.5 [27) (6-1-5*9, 15+15*9) = [-7.5, 28.5] 26 is not outlier Ricos

H5 312811928,54,35,26,23,13,29,14 8,11,13,17,19,21,23,26,29,31,35,54 $Q_2 = \frac{21+23}{2} = \frac{22}{2}$ Tal = 03-01 = 30 - 15 = 15 Outlier = [2, 15 x JaR , 83+15 * [2] =[15-125, 30+225]=[-7-5, 52-5] = 54 is outlier

