

	A STATE OF
Inferential	
A CONTRACTOR A CON	
Sample data to make an inference or draw a conclusion of the population	
Sample data to make an interest	
draw a conclusion of the popularies	
Confidence Intervels & Margins of error	
on the metal of	
The state of the s	
The second secon	2 Marie
	well a
4.01/2410	Walt
Vides 2 Mean Median, Mode and Range	
Vides @ Mean Median, Mode and Mange	
[12,7,14,5,7,11,8]	
Mean = Sum 12+7+14+5+7+11+9 = 9,286	
Mean = Sum = 12+++14+5+7+11+3 = 3,200	12 43 6
the second secon	
example of land and the Ash actions	100 30
Median sort first [5,4,4(9),11,12,14]	Same a
Meadian = middle = 9	200
Shell and Wells	
Mode highest frequency 7 appears tource	-
Mode = 7	
Range difference between highest and lower	
Range difference between highest and lower	7
Range = 14-5 = 9	100
The second of th	

another example	11 40 0	a la la Company
C & 14.8	8,5,3,11,9]	dank world School
Hean = 6+14+8+5+3+11	+9	A-10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		THE STREET STREET
Headian = 8	[3,5,6 (8), 8, 11, 14]	1 1 1
Mode = None	THE AU	1 15 - 2 - 2 - AM
Range 14-3 = 11		
		18.8 = 19.27
even our example	3 44	
	5, 5, 9, 8, 10, 8]	
$\frac{1}{10000000000000000000000000000000000$		
8	Name of the survey	et a Common Of
Median = 8+8 = 8	[\$5,68,8,8,6]	
2		24
Mode = 8 + 1	- Large species	
		William Indian
Range = 10-5 = 5		was discount
	2,15,21,4,36,15,	11 48 29 387
Mean = 229 = 22,9 [4,11,16,10,12,61	140,30,100,100
15 + 21		
Median = 15 + 21 = 18	9 49	X 8 10 2
		24 22 2
Mode = 15	CB .	93
Range = 48-4 = 44		1-2-7
	1 1/2 2	
1000		1000 100 100 100
518-SIY	14-E) 15 Santa	M. Della Control of the Control of t

Video 3 How to Calculate Variance				
	B. H. F.			
	6,9,14,	10, 5, 8, 11]		
$S^{2} = \frac{\left(X_{1} - \overline{X}\right)^{2}}{N-1}$	C CE			
n -1 Data	X: - X	(xi-x)2		
Data	1 4	16		
first sort 5	1	9		
6	- 3			
$Mean = \overline{X} = \frac{63}{7} = 9$				
9	0	1 11 = 8 = 11		
10	1			
$S^2 = \frac{56}{7-1} = 9.3$	2			
3 - 7 - 1	5	25		
	N 1 2 15	58		
		THE PARTY OF THE P		
He variance is a measure of the spread of the data				
He variance is a measure of	The space	c closes to the mean		
spread for	apart			
1. He date				
high variance => larger spreed in the data				
example [6,7,8,3,10] [4,6,8,10,12]				
- Charles	11.15	21, 21 7		
The second second	Ser Ser C	1111111		
6 8 10		4 6 8 10 12		
higher variance				
$\bar{X} = \frac{40}{5} = 8$ $\bar{X}_2 = \frac{40}{5} = 8$				
$\frac{10}{5^{3} + \frac{10}{5-1}} = \frac{2}{5}$	(6-8)	2 (4-8)2		
5-1	(7-8)			
2 40 = 10 higher	(8-8)			
5 = 40 = 10 higher variance	(9-8)	(10-01		
#	(10-8)	(12-812		
	10	40		

Video (1) How to calculate the Standard Deviation (82,93,98,89,887 the square root of variance $5 = \sqrt{(-8)^2 + (3)^2 + (8)^2 + (-1)^2 + (-2)^2} = 5,958$ Video & How to Find Interquartile Manye & any outliers quartiles divide Q. Q2 Q3 Mex He data to Four equel parts Interquartile Range Ale middle 50% of the data IOR = Q3 - Q. Outliers out side [Q, - 1,5 + IDR, Q3 + 1,5 * IQR] example [5, 8, 15, 26, 10, 18, 3], 12, 6, 14, 11] first sort [3, 5, 6, 8, 10, 11, 12, 14, 15, 18, 26] Median of lower part = 6 I DR = 15-6 = 9 Median of upper part = 15 Outliers [6-1,5 * 9, 15+1,5 + 9] -7.5,28.5]