STA 203 ASSINGMENT 3 CHURWLI DANIEL NONSO BHU/20/04/05/0010 COMPUTER SCIENCE

-	Using the	. 7	oble	below.	7,hd	5.1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	`	
	Class) Method		20	for		0	$(x-\bar{x})^2$	2c2	4x2
	19-0-19.7		19.35	77.40		35.428	1		1497.6
_	19.8-20.5		20.15		-2.176		4-735		1624.08
	20.6-21.3	10	20.95		-1.376		1.893		4389
	21.4-22.1	5	21.75	108.75				473.86	2365.8
	22.2-22.9			157.85			0.050	. , ,	3559.5
	23.0-23.7			116-75		5.245		545 2	2726
	23.8-24.5			265.65			3.327	172	6415.2
_	24.6-25.3	4		99-80			b. 885		2490
		50		1116.3	2.024	\$44.69			25067.18
-						•			

· Using variance = Efex-x)2 and 5.D= Ivariance

· Using Exact Mean Method for Pindry variance and 5.D

S'2 = \(\frac{2}{50} \) \(\frac{\xi}{50} \) \(\frac{2}{50} \) \(\frac{50}{50} \) \(\frac{50}{50} \)

STA 203 ASSINGMENT 3

CHURWLLI DANIEL NONSO BHU/20104/05/0010 COMPUTER SCIENCE

-	Class &	Lo V	oble	below	P.hd	9.1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	
_	Class) Method	P	50	fsc.	1	0	$(x-\bar{x})^2$	oc2	4x2
_	19.0-19.7	4	19.35	77.40	1	35.428	1	374.4	
_	19.8-20.5		20.15	80.60			4-735		1624.08
	20.6-21.3	10	20.95					438.9	4389
	21.4-22.1	5	21.75	108.75	-			473.86	
	22.2 - 22.9	7		157.85			0.050		3559.5
	23.0-23.7			116-75		5-245		545.2	2726
	23.8-24.5			265.65			3.327	10-	6415.2
_	24.6-25.3	4		99-80		27.54		622.5	2490
		50	,	1116.3	2 0-7	\$44.69	3.007		25067.18
-									

Using variance = Efex-xi2 and S.D = Ivariance

Variance = 2 + (x-x) = 144.69 = 2.894

5.D = IVariance = [2.894 = 1.70]

Using Exact Mean Method for Finding variance and 5.D $S^{2} = 2fx^{2} - (2fx)^{2} - 25067.18 - (1116.3)^{2}$ $2f = 2fx^{2} - (2fx)^{2} - 25067.18 - (1116.3)^{2}$

= 501.344 - 498.45

5.D = Varince = 12.894

= 1.701

CHURWLL DANIEL NONSO STA 203 BHU/2010410510010 ASSINGMENT 3 COMPUTER SCIENCE Class the Table below Find S.D.
Class Hethod & DC for (x-x) (x-x)2 (x-x)2 x2 4x2 19.0-19.7 4 19.35 77.40 -2.976 35.428 8.857 374.4 1497.6 19.8-20.5 4 20.15 80.60 -2.176 18.94 4-735 406.02 1624.08 20.6-21.3 10 20.95 209.50 -1.376 18-93 1.893 438.9 4389 21.4-22.1 5 21.75 108.75 - 0.576 1-66 0.332 473.86 2365.8 22.2-22.9 7 22.55 157.85 0.224 0.350 0.050 508.5 3559.5 23.0-23.7 5 23.35 116-75 1.024 5.245 1.049 545.2 2726 23-8-24.5 11 24.15 265.65 1.824 36.597 3.327 583.2 6415.2 24.6-25.3 4 24.95 99.80 2.624 27.54 6.885 622.5 2490 50 1116.3 644.69 25067.18 · Using variance = Efex-x)2 and S.D = Ivariance solubran Variance = \(\frac{2}{2}\) = \(\frac{144.69}{50} = 2.894\) 5.D = IVanance = 12.894 = 1.701, · Using Exact Mean Method for Finding variance and 5.D

S'2 = \(\xi \) \(\ = 501.344 - 498.45 5.D = Varince = [2.894 = 1.701/