Start J. 08/Nov/mon Paobabolity & Statistics) SMI UNIVERSIT Assign New 1 + 01 ABOUL RAFEH_CSC-205_109 Q: 2.21:- Salution 44.5 44.5 40-49 381.5 54.5 451.5 64.5 7 60-69 223.5 74.5 3 70-79 507 84.5 80-89 945 94.5 10 90-99 522.5 104.5 100-109 458 114.5 110-119 249 124.5 2 120-129 403.5 134.5 3 130-139 144.5 140-149 309 154.5 150-159 Sum (XF) 4495 mean (x) = 4495/50 89.9 BTUS (x-x)2 F(x) (44.5-89.9)2 2061.16 2061.16 (54.5-89.9)2 = 1253.16 8772.12 (64.5-89.9)2 = 645.16 4516-12 (74.5-89.9)2 - 237.16 711.48 (84.5-89.9)2 29.16 174.96 $(94.5 - 89.9)^2$ 21.16 211.6 (104.5-89.9)2 213-16 1065.8 (114.5-89.9)2 605.16 2420.64



(124.5-89.9)2	_ 1197.16	2394.32
(134.5-89.9)2		5967.48
(144.5-89.9)2		0
(154.5-99.9)2	-4173.16	8346.32
		Sun= 36642
12		

The state of the s

$$\sigma^{n2}$$
 VAR = 36642/50 = 732.84
 $5d = \sqrt{732.84} = 27.071$ BTUs Ans

Q: 2.24, Sdiller

CI	F	X	XF
0-1	4	0.5	2
1-2	8	1.5	12
2-3	4	2.5	10
3-4	5	3.5	17-5
4-5	2	4.5	9
5-6	1	5.5	5.5
6-7	1	6.5	6.5
	Sum. 25		Sum (XF) = 62.5
The state of the s			

mean (x)=	62.5/25	2	.5	
$(\chi - \chi)^2$			FA	
(0.5-2.5)2	_ 4		16	
$(1.5-2.5)^2$	1		8	
$(2.5-2.5)^2$	_ 0		0	
$(3.5-2.5)^2$	1		5	
(4.5-2.5)2	_ 4		8	
(5.5-2.5)	9		9	

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 $(6.5-2.5)^2 = 16$ = 16 Sum = 62 $Sd = \sqrt{25} = 2.48$ $Sd = \sqrt{2.48} = 1.574 \text{ Au}$

Q: 2.25:- Solutions

	CI	F	X	XF	
	0-1	4	0.5	2	
	1-2	2	1.5	3	
	2-3	14	2.5	3.5	
	3-4	10	3.5	35	9
Shipter N	4-5	16	4.5	72	
	5-6	18	5.5	99	
	6-7	10	6.5	65	
	7-8	6	7.5	4.5	
		Sum= 80		Sum (xF)=356	
,	Neur (x)	356/80	411.	1 - un Ur / - Ju	*

 $(x-x)^{2}$ $(x-x)^{2}$ $(0.5-4.45)^{2} = 15.6025$ $(15.41-2)^{2}$

 $\frac{(1.5 - 4.45)^2}{(2.5 - 4.45)^2} = 8.7025$ $\frac{(2.5 - 4.45)^2}{(2.5 - 4.45)^2} = 3.8025$ $\frac{(3.644)^2}{(3.235)^2} = 3.8025$

 $\frac{(3.5 - 4.45)^{2}}{(4.5 - 4.45)^{2}} = 0.9025$ $\frac{9.025}{(5.5 - 4.45)^{2}} = 0.1$ $\frac{1.6}{(5.5 - 4.45)^{2}} = 1.1025$ $\frac{19.845}{42.025}$



6d. Ph

(7.5-4.45) = 9.3025

55.815

 5^{M} VAR = 261.36/80 = 3.267 $5J = \sqrt{3.264} = 1.8074$ Aug