

$$S.D = \frac{3035.74}{62}$$

$$S.D = 48.96$$

A.C.V for group A

$$\frac{84.8}{17.82} \times 100$$

$$= 475.6\%$$

C.V for group B

$$\frac{48.96}{20.14} \times 100$$

$$= 243\%$$

Group b has less variable distribution

1) S.D for group A

$(x - \bar{x})$	$(x - \bar{x})^2$	$f(x - \bar{x})^2$
-14.83	219.93	0
-9.83	96.63	676.41
-4.83	23.33	233.3
0.17	0.03	0.06
5.17	26.73	26.73
10.17	103.43	817.15
15.17	230.13	920.52
		<u>2374.17</u>

$$S.D = \frac{2374.17}{28}$$

$$S.D = 84.8$$

Group A

S.D for Group B

$x - \bar{x}$	$(x - \bar{x})^2$	$f(x - \bar{x})^2$
-17.14	293.78	587.56
-12.14	147.38	589.52
-7.14	50.98	356.86
-2.14	4.58	91.6
2.86	8.18	130.88
7.86	61.78	617.8
12.86	105.38	661.52
		5035.74

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Statistics

	Group A	Group B	X	fX	f'X
0-1	A	B	0 X	0	
1-5	0	2	0 3	0	6
6-10	7	4	0 8	56	32
11-15	10	7	10 13	130	91
16-20	2	20	20 18	36	360
21-25	1	16	25 23	23	368
26-30	5	10	28	140	280
31-35	4	4	33	132	132
	29	63		517	1269

① mean

for group A

$$\bar{X} = \frac{\sum fX}{\sum f} = \frac{517}{29}$$

$$\bar{X} = 17.83$$

For group B

$$\bar{X} = 17.83$$

For group B

$$\bar{X} = \frac{1364}{63} \quad \bar{X} = 20.4$$