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*	C. I	GROUP A(f_1)	GROUP B(f_2)	X	xf_1	xf_2
	1-5	0	2	3	0	6
	6-10	7	4	8	56	32
	11-15	10	7	13	130	91
	16-20	2	20	18	36	360
	21-25	1	16	23	23	368
	26-30	5	10	28	140	280
	31-35	4	4	33	132	132
		$\Sigma f_1 = 29$	$\Sigma f_2 = 63$		$\Sigma xf_1 = 517$	$\Sigma xf_2 = 1269$

FOR GROUP A

$$(a) \text{ Mean } (\bar{x}) = \frac{\Sigma fx}{\Sigma f_1} = \frac{517}{29}$$

$$\text{Mean } (\bar{x}_1) = 17.84$$

$$\text{Standard Deviation} = \sqrt{\frac{\Sigma f_i(x - \bar{x}_1)^2}{\Sigma f_i - 1}}$$

GROUP A f_i	X	$x - \bar{x}_1$	$(x - \bar{x}_1)^2$	$f_i(x - \bar{x}_1)^2$
0	3	-14.8	219.04	0
7	8	-9.8	96.04	672.28
10	13	-4.8	23.04	230.4
2	18	0.2	0.04	0.08
1	23	5.2	27.04	27.04
5	28	10.2	104.04	520.2
4	33	15.2	231.04	924.16
$\Sigma f_i = 29$				$\Sigma f_i(x - \bar{x}_1)^2 = 2374.16$

$$\text{Standard Deviation } (S_1) = \sqrt{\frac{2374.16}{28}}$$

$$(S_1) = \sqrt{84.79}$$

$$(S_1) = 9.208_{\text{u}}$$

$$\therefore \text{Standard Deviation }^{(S_1)} = 9.208_{\text{u}}$$

$$\begin{aligned} \text{Co-efficient of Variation [C.V]}_1 &= \frac{S.D}{\text{Mean}} \times 100 \\ &= \frac{9.208}{17.8} \times 100 \end{aligned}$$

$$\text{Co-efficient of Variation for Group A} = 51.73\%_{\text{u}}$$

FOR GROUP B

Group B f_2	x	$x - \bar{x}_2$	$(x - \bar{x}_2)^2$	$f_2(x - \bar{x})^2$
2	3	-17.1	292.41	584.82
4	8	-12.1	146.41	585.64
7	13	-7.1	50.41	352.87
20	18	-0.1	0.01	0.2
16	23	2.9	8.41	134.56
10	28	7.9	62.41	624.1
4	33	12.9	166.41	665.64
Σf_2 = 63				$\Sigma f_2(x - \bar{x})^2$ = 2947.83

$$(a) \text{ Mean } (\bar{x}_2) = \frac{\Sigma f_2 x}{\Sigma f_2} = \frac{1269}{63}$$

$$\therefore \text{Mean } (\bar{x}_2) = 20.1_{\text{u}}$$

$$(b) \text{ Standard Deviation } (S_2) = \sqrt{\frac{\Sigma f_2(x - \bar{x})^2}{\Sigma f_2 - 1}}$$

$$\therefore \text{Standard Deviation} = \sqrt{\frac{2947.83}{62}}$$

$$\text{Standard Deviation (s.d.)} = \sqrt{47.5456}$$

$$\therefore \text{Standard Deviation for Group B} = 6.895$$

$$\begin{aligned} \text{(c) Co-efficient of Variation [C.V]}_2 &= \frac{\text{S.D}}{\text{Mean}} \times 100 \\ &= \frac{6.895}{20.1} \times 100 \end{aligned}$$

$$\therefore \text{Co-efficient of Variation for Group B} = 34.31\%$$

(iii) GROUP B has less Variable Distribution because ~~the~~ ^{the} Co-efficient of Variation for Group B is less than the Co-efficient of Variation for Group A.