(ii) $CV_1 = \frac{sd_1}{\bar{x}_1} \times 100 = \frac{9.36}{17.83} \times 100 = 52.50\%$

$CV_2 = \frac{sd_2}{\bar{x}_2} \times 100 = \frac{6.94}{20.14} \times 100 = 34.46\%$

(iii) Group A has less variable distribute because it has a higher CV. The higher the CV the lower the spread.

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Cl	Group A (f_1)	Group B (f_2)	x	f_1x	f_2x	$(x-\bar{x}_1)^2$	$(x-\bar{x}_2)^2$	$f_1(x-\bar{x}_1)^2$	$f_2(x-\bar{x}_2)^2$
1-5	0	2	3	0	6	219.93	219.93	0	587.56
6-10	7	4	8	56	32	96.63	147.38	676.41	584.52
11-15	10	7	13	130	91	23.33	50.98	233.30	356.86
16-20	2	20	18	36	360	0.03	4.58	0.06	91.60
21-25	1	16	23	23	368	26.73	8.18	26.73	130.88
26-30	5	10	28	140	280	103.43	61.78	517.15	617.80
31-35	4	4	33	132	132	330.13	165.38	1320.52	661.52

$\Sigma f_1 = 29 \quad \Sigma f_2 = 63$

$\Sigma f_1 x = 517 \quad \Sigma f_2 x = 1269 \quad \Sigma f_1 (x-\bar{x})^2 = 2540.87$

$\Sigma f_2 (x-\bar{x})^2 = 3035.74$

$$\text{Mean 1} (\bar{x}_1) = \frac{\Sigma f_1 x}{\Sigma f} = \frac{517}{29} = 17.83$$

$$\text{Mean 2} (\bar{x}_2) = \frac{\Sigma f_2 x}{\Sigma f_2} = \frac{1269}{63} = 20.14$$

$$S.D_1 = \sqrt{\frac{\Sigma f_1 (x-\bar{x}_1)^2}{\Sigma f_1}} = \sqrt{\frac{2540.87}{29}} = 9.36$$

$$SD_2 = \sqrt{\frac{\Sigma f_2 (x-\bar{x}_2)^2}{\Sigma f_2}} = \sqrt{\frac{3035.74}{63}} = 6.94$$