

Class	$x_i$	$F_i$	$P_i$	$F$	$x_i$	$i$
36-40	38.5	5	0.1	5	192.5	
41-46	43.5	5	0.1	10	217.5	
46-51	48.5	8	0.16	18	388	
51-56	53.5	9	0.18	27	481.5	
56-61	58.5	16	0.32	43	760.5	
61-66	63.5	13	0.26	56	630	
		50	1		2,676	

$$\bar{x} = \frac{L_1 + L_5}{2}$$

$$\begin{aligned} \bar{x} &= 53.4 \\ M_e &= 54.34 \\ M_0 &= 56.16 \end{aligned}$$

$$F_r = \frac{F}{N}$$

$$\bar{x} = \frac{\sum x_i f_i}{N} = \frac{2676}{50} = 53.4$$

$$M_e = \frac{L_1 + 2 \cdot \frac{N}{2} - f_1 - 1}{46 + \frac{50}{2} - 1} = \frac{25 \cdot \frac{50}{2} - 10}{46 + \frac{15}{8} - \frac{5}{1}}$$

$$46 + 17.5 = 557.37$$

$$\begin{aligned} X_{max} - X_{min} \\ R &= 62 - 36 \\ R &= 26 \\ R &= 1 + 3.226 \text{ by } 50 \\ A &= \frac{R}{k} = \frac{26}{6} \\ A &= 4.33 \end{aligned}$$