



age (in years)	no. of policy holders
Below 20	2
25	6
30	24
35	45
40	78
45	89
50	92
55	98
60	100

class Interval	frequency	cf
0 - 20	2	2
20 - 25	4 (6-2)	6
25 - 30	18 (24-6)	24
30 - 35	21	45
<u>35 - 40</u>	33 f	78
40 - 45	11	89
45 - 50	3	92
50 - 55	6	98
55 - 60	2	100

Median class 35 40, $l = 35$, $h = 5$

$$\begin{aligned}
 \text{Median} &= l + \frac{\frac{N}{2} - cf}{f} \times h \\
 &= 35 + \frac{50 - 45}{33} \times 5 \\
 &= 35 + \frac{5}{33} \times 5 \\
 &= 35 + 0.76
 \end{aligned}$$