



Demam 8
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49 - 55 - 65 - 66 - 66 - 70 - 72
72 - 72 - 74 - 75 - 75 - 76 - 76
77 - 78 - 79 - 80 - 81 - 81 - 81
81 - 83 - 84 - 90

$$K = 3.322$$

$$R = 90 - 49$$

$$H = 3.322 \times 1.39794$$

$$R = 41 + 1$$

$$H = 1 + 4.64$$

$$R = 42$$

$$K = 5.64$$

$$i = \frac{42}{5.64} = 7.44$$

$$i = 7$$

K	h - A	h _i - h _s	f	f _a	X _s	f _{x_s}
1	49 - 55	48.5 - 55.5	2	2	52	104
2	56 - 62	55.5 - 62.5	0	2	59	0
3	63 - 69	62.5 - 69.5	3	5	66	198
4	70 - 76	69.5 - 76.5	9	14	73	657
5	77 - 83	76.5 - 83.5	9	23	80	720
6	84 - 90	83.5 - 90.5	2	25	87	174

$$\bar{X} = \frac{1853}{25} = 74.12$$

1,853

$$Md = \frac{25}{2} = 12.5$$

$$Md = 69.5 + (12.5 - 5)7$$

$$Md = 69.5 + \left(\frac{7.5}{9}\right)7$$

$$Md = 69.5 + (0.83)7$$

$$Md = 69.5 + (5.81)7$$

$$Md = 75.31$$

$$\Delta 1 = 9 - 3 = 6$$

$$\Delta 2 = 9 - 9 = 0$$

$$MO = 69.5 + \left(\frac{9}{6+0}\right)7$$

$$MO = 69.5 + \left(\frac{6}{6}\right)7$$

$$MO = 69.5 + (1)7$$

$$MO = 69.5 + 1$$

$$MO = 76.5$$

Quantiles

$$Q1 = 25 = 6.25$$

$$Q2 = 69.5 + 5.81$$

$$Q2 = 75.31$$

$$Q1 = 69.5 + (6.25 - 5)7$$

$$Q3 = 25 = 18.75$$

$$Q1 = 69.5 + (1.25)7$$

$$Q3 = 76.5 + (18.75 - 14)7$$

$$Q1 = 69.5 + (0.14)7$$

$$Q3 = 76.5 + (4.75)7$$

$$Q1 = 69.5 + (0.98)7$$

$$Q3 = 76.5 + (0.53)7$$

$$Q1 = 69.5 + 0.98$$

$$Q3 = 76.5 + (3.71)7$$

$$Q1 = 70.48$$

$$Q3 = 76.5 + 3.71$$

$$Q3 = 80.21$$

$$Q2 = 69.5 + \left(\frac{7.5}{9}\right)7$$

$$Q2 = 69.5 + (0.83)7$$

$$Q2 = 69.5 + (5.81)7$$

Percentiles

$$P_{15} = 25 \times \frac{15}{100} = 3.75$$

$$P_{15} = 62.5 + (3.75 - 2)7$$

$$P_{15} = 62.5 + (1.75)7$$

$$P_{15} = 62.5 + (0.58)7$$

$$P_{15} = 62.5 + (4.06)7$$

$$P_{15} = 62.5 + 4.06$$

$$P_{15} = 66.56$$

$$P_{70} = 25 \times \frac{70}{100} = 17.5$$

$$P_{70} = 76.5 + (17.5 - 14)7$$

$$P_{70} = 76.5 + (3.5)7$$

$$P_{70} = 76.5 + (0.39)7$$

$$P_{70} = 76.5 + (2.73)7$$

$$P_{70} = 76.5 + 2.73$$

$$P_{70} = 79.23$$

$$P_{95} = 25 \times \frac{95}{100} = 23.5$$

$$P_{95} = 83.5 + (23.75 - 23)7$$

$$P_{95} = 83.5 + (0.75)7$$

$$P_{95} = 83.5 + (0.38)7$$

$$P_{95} = 83.5 + (2.66)7$$

$$P_{95} = 83.5 + 12.66$$

$$P_{95} = 86.16$$

Deciles

$$D_2 = 25 \times \frac{2}{10} = 5$$

$$D_2 = 62.5 + (5 - 2)7$$

$$D_2 = 62.5 + (3)7$$

$$D_2 = 62.5 + (1)7$$

$$D_2 = 62.5 + 7$$

$$D_2 = 69.5$$

$$D_6 = 25 \times \frac{6}{10} = 15$$

$$D_6 = 76.5 + (15 - 14)7$$

$$D_6 = 76.5 + (1)7$$

$$D_6 = 76.5 + (0.11)7$$

$$D_6 = 76.5 + (0.77)$$

$$D_6 = 76.5 + 0.77$$

$$D_6 = 77.27$$

$$D9 = \frac{25 \times 9}{10} = 22.5$$

$$D9 = 76.5 + (22.5 - 14)7$$

$$D9 = (8.5)7$$

$$D9 = 76.5(0.94)7$$

$$D9 = 76.5 + (6.58)7$$

$$D9 = 83.08$$

Polígono de frecuencia

