

Area:

Angeles Pérez

L.A	Lri	f	fa
48-56	47.5	5	5
57-65	56.5	8	13
66-74	65.5	7	20
75-83	74.5	9	29
84-92	83.5	6	35

Cuartiles 1 y 3

$$Q_1 = 56.5 + \left(\frac{8.75 - 5}{8} \right) 9$$

$$Q_1 = 56.5 + \left(\frac{3.75}{8} \right) 9$$

$$Q_1 = 56.5 + (0.47) 9$$

$$Q_1 = 56.5 + 4.23$$

$$Q_1 = 60.73$$

Cuartil #1

$$3 \times 35 = 26.25$$

$$Q_3 = 74.5 + \left(\frac{26.25 - 20}{9} \right) 9$$

$$Q_3 = 74.5 + \left(\frac{6.25}{9} \right) 9$$

$$Q_3 = 74.5 + (0.69) 9$$

$$Q_3 = 74.5 + 6.21$$

$$Q_3 = 80.71$$

Cuartil #3

Angeles Pérez

L.A	Li	f	fa
48-56	47.5	5	5
57-65	56.5	8	13
66-74	65.5	7	20
75-83	74.5	9	29
84-92	83.5	6	35

Angeles Pérez

$$\frac{35 \times 1}{10} = 3.5$$

$$D_1 = 47.5 + \left(\frac{3.5 - 0}{5} \right) 9$$

$$D_1 = 47.5 + \left(\frac{3.5}{5} \right) 9$$

$$D_1 = 47.5 + (0.7) 9$$

$$D_1 = 47.5 + 6.3$$

$$D_1 = 53.8$$

Decil #1

$$\frac{35 \times 5}{10} = 17.5$$

$$D_5 = 65.5 + \left(\frac{17.5 - 13}{7} \right) 9$$

$$D_5 = 65.5 + \left(\frac{4.5}{7} \right) 9$$

$$D_5 = 65.5 + (0.64) 9$$

$$D_5 = 65.5 + 5.76$$

Decil #5

$$D_5 = 71.26$$

VIVO

Angeles
Pérez

L.A	Li	F	Fa
48-56	47.5	5	5
57-65	56.5	8	13
66-74	65.5	7	20
75-83	74.5	9	29
84-92	83.5	6	35

$$\frac{35 \times 70}{100} = 24.5$$

$$P_{70} = 74.5 + \left(\frac{24.5 - 20}{9} \right) 9$$

$$P_{70} = 74.5 + \left(\frac{4.5}{9} \right) 9$$

$$P_{70} = 74.5 + (0.5) 9$$

$$P_{70} = 74.5 + 4.5$$

$$P_{70} = 79 \quad \text{Percentil 70.}$$

Angeles Pérez

$$\frac{35 \times 85}{100} = 29.75$$

$$P_{85} = 83.5 + \left(\frac{29.75 - 29}{6} \right) 9$$

$$P_{85} = 83.5 + \left(\frac{0.75}{6} \right) 9$$

$$P_{85} = 83.5 + (0.13) 9$$

$$P_{85} = 83.5 + 1.17$$

$$P_{85} = 84.67$$

Percentil 85

