

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		

$$K = 7 + 3.322 \log(25) \quad R = 90 - 49 + 7$$

$$K = 7 + 3.322 \log(7.39794) \quad R = 47 + 7$$

$$K = 7 + 4.64 \quad R = \underline{\underline{42}}$$

$$K = \underline{\underline{5.64}}$$

$$i = \frac{42}{5.64} \quad i = 7.45 \quad i = \underline{\underline{7}}$$

Tabla Con Intervalo
Puntajes de 25 alumnos en un examen de Contabilidad de Sociedades

K	LA	LRI	LRS	XS	F	FA	FxS
1	42-55	48.5	55.5	52	2	2	104
2	56-62	55.5	62.5	59	0	2	0
3	63-69	62.5	69.5	66	3	5	198
4	70-76	69.5	76.5	73	9	14	657
5	77-83	76.5	83.5	80	9	23	720
6	84-90	83.5	90.5	87	2	25	174

7,653

D2 R15
Q1 Q2
Q3 P6 D7
P95

Media Aritmética-

$$\bar{X} = \frac{7.853}{25} = \underline{\underline{74.72}}$$

Mediana: $Md = L_i + \left(\frac{\frac{N}{2} - F_{ac}}{f} \right) \cdot i$

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

$$Md = 69.5 + \left(\frac{12.5 - 5}{9} \right) \cdot 7 \quad Md = 69.5 + \left(\frac{7.5}{9} \right) \cdot 7$$

$$Md = 69.5 + (0.83) \cdot 7 \quad Md = 69.5 + 5.81$$

$$Md = \underline{\underline{75.31}}$$

Moda-

$$Mo = L_k + \left(\frac{\Delta_1}{\Delta_1 + \Delta_2} \right) \cdot i \quad \begin{array}{l} \Delta_1 = 9 - 3 = 6 \\ \Delta_2 = 9 - 9 = 0 \end{array}$$

$$Mo = 69.5 + \left(\frac{6}{6 - 0} \right) \cdot 7$$

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

$$Mo = 69.5 + (7) \cdot 7 \quad Mo = 69.5 + 7$$

$$Mo = \underline{\underline{76.5}}$$

D2 R15

Q1 Q2

Q3 D6 D7 R10

R15

Quartiles -

$$Q1 = 25/4 = 6.25 \quad Q1 = 69.5 + \left(\frac{6.25 - 5}{9} \right) \cdot 7$$

$$Q1 = 69.5 + \left(\frac{1.25}{9} \right) \cdot 7 \quad Q1 = 69.5 + (0.74) \cdot 7$$

$$Q1 = 69.5 + 0.98 \quad Q1 = \underline{\underline{70.48}}$$

$$Q2 = \frac{2 \times 25}{4} = 12.5 \quad Q2 = 69.5 + \left(\frac{12.5 - 5}{9} \right) \cdot 7$$

$$Q2 = 69.5 + \left(\frac{7.5}{9} \right) \cdot 7 \quad Q2 = 69.5 + (0.83) \cdot 7$$

$$Q2 = 69.5 + 5.81 \quad Q2 = \underline{\underline{75.31}}$$

$$Q3 = \frac{3 \times 25}{4} = 18.75 \quad Q3 = 76.5 + \left(\frac{18.75 - 14}{9} \right) \cdot 7$$

$$Q3 = 76.5 + \left(\frac{4.75}{9} \right) \cdot 7 \quad Q3 = 76.5 + (0.53) \cdot 7$$

$$Q3 = 76.5 + 3.71 \quad Q3 = \underline{\underline{80.21}}$$

Reciles:

$$D2 = \frac{25 \times 2}{10} = 5 \quad D2 = 62.5 + \left(\frac{5-2}{3}\right)7$$

$$D2 = 62.5 + \left(\frac{3}{3}\right)7 \quad D2 = 62.5 + (7)7$$

$$D2 = 62.5 + 7 \quad D2 = \underline{\underline{69.5}}$$

$$D6 = \frac{25 \times 6}{10} = 15 \quad D6 = 76.5 + \left(\frac{15-14}{9}\right)7$$

$$D6 = 76.5 + \left(\frac{1}{9}\right)7 \quad D6 = 76.5 (0.11)7$$

$$D6 = 76.5 + 0.77 \quad D6 = \underline{\underline{77.27}}$$

$$D9 = \frac{25 \times 9}{10} = 22.5 \quad D9 = 76.5 + \left(\frac{22.5-14}{9}\right)7$$

$$D9 = 76.5 + \left(\frac{8.5}{9}\right)7 \quad D9 = 76.5 + (0.94)7$$

$$D9 = 76.5 + 6.58 \quad D9 = \underline{\underline{83.08}}$$

Percentiles:-

$$P_{15} = \frac{25 \times 15}{100} = 3.75 \quad P_{15} = 62.5 + \left(\frac{3.75 - 2}{3} \right) \cdot 7$$

$$P_{15} = 62.5 + \left(\frac{1.75}{3} \right) \cdot 7 \quad P_{15} = 62.5 + (0.58) \cdot 7$$

$$P_{15} = 62.5 + 4.06 \quad P_{15} = \underline{\underline{66.56}}$$

$$P_{70} = \frac{25 \times 70}{100} = 17.5 \quad P_{70} = 76.5 + \left(\frac{17.5 - 14}{9} \right) \cdot 7$$

$$P_{70} = 76.5 + \left(\frac{3.5}{9} \right) \cdot 7 \quad P_{70} = 76.5 + (0.39) \cdot 7$$

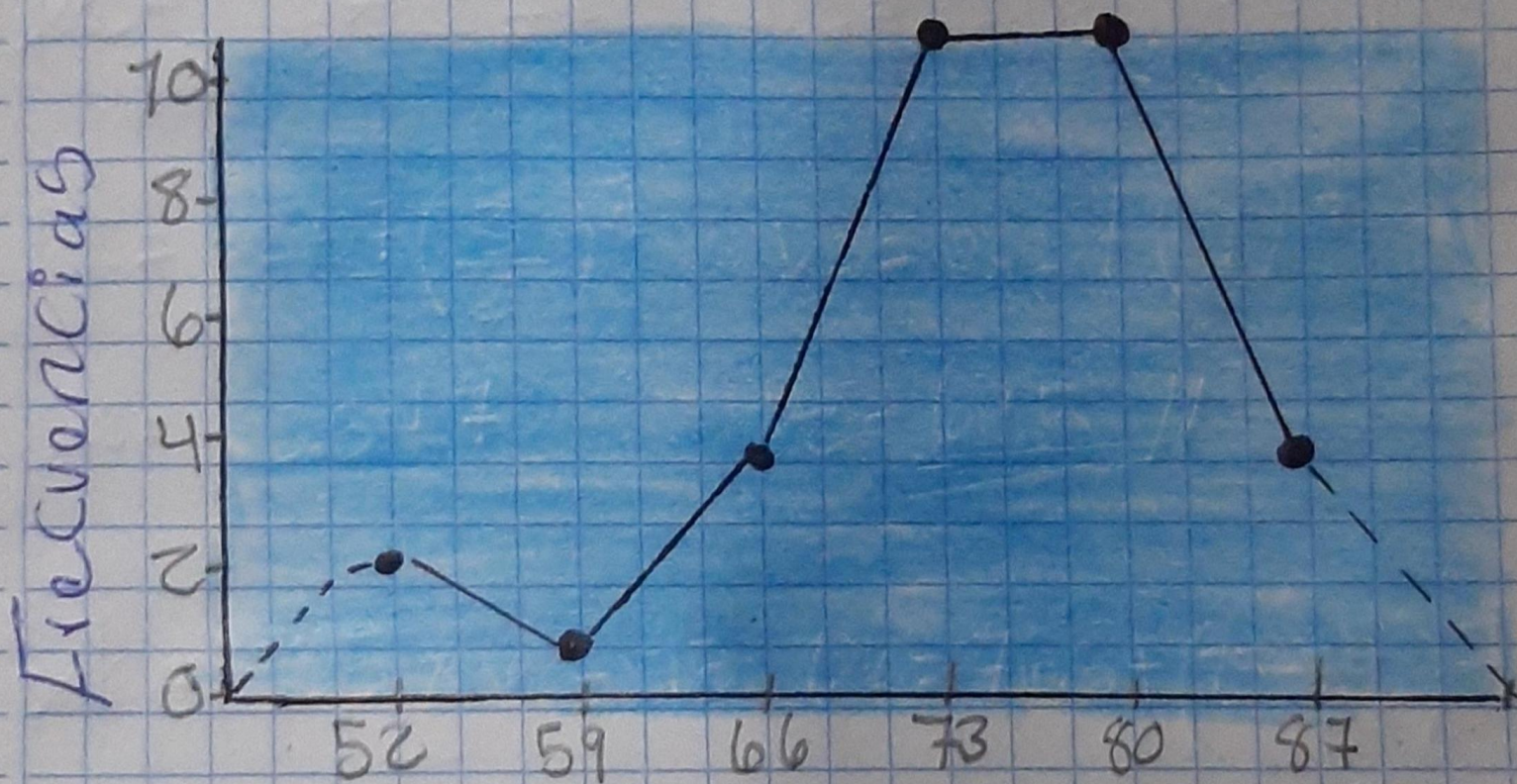
$$P_{70} = 76.5 + 2.73 \quad P_{70} = \underline{\underline{79.23}}$$

$$P_{95} = \frac{25 \times 95}{100} = 23.75 \quad P_{95} = 83.5 + \left(\frac{23.75 - 23}{2} \right) \cdot 7$$

$$P_{95} = 83.5 + \left(\frac{0.75}{2} \right) \cdot 7 \quad P_{95} = 83.5 + (0.38) \cdot 7$$

$$P_{95} = 83.5 + 2.66 \quad P_{95} = \underline{\underline{86.16}}$$

Puntos obtenidos por 25 alumnos en
un Examen de Contabilidad.-



Puntos Medios.-