

Gamma de χ^2 standardisation

49	55	65	66	66	70	72	72	72
74	75	75	76	76	77	78	79	80
87	87	87	87	83	84	90		

$$K = 1 + 3.322 \log(25) \quad R = 96 - 49 = 1$$

$$K = 1 + 3.322 \log(1.391) \quad R = 41 \rightarrow 1$$

$$K = 1 + 4.64$$

$$R = 42$$

$$K = 5.64$$

$$i = \frac{42}{5.64} \quad q = 7$$

$$q = 7.45$$

~~7.45~~

Puntos de 25 alumnos en un examen
de habilidad de lectura

x	$2 \cdot A$	$2 \cdot P$	$2 \cdot S$	xS	f	fA	$S \times S$
49	55	48.5	55.5	52	2	2	104
56	62	55.5	62.5	59	0	2	0
63	69	62.5	69.5	66	3	5	798
70	76	69.5	76.5	73	9	14	657
77	83	76.5	83.5	80	9	23	720
84	90	83.5	90.5	87	2	25	774
							1853

$$\bar{X} = \frac{\sum f \cdot xS}{N} = \frac{1853}{25} = 74.12$$

$$Md = \text{arit} \left(\frac{N}{2} - f_{aa} \right)$$

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

$$Md = 69.5 + (0.83) 7 \quad Md = 69.5 + 5.81 = 75.31$$

MO:

$$MO = \text{arit} \left(\frac{A1}{A1 + A2} \right)$$

$$A1 = 9 - 3 = 6$$

$$A2 = 9 - 2 = 7$$

$$M0 = 69.5 + \left(\frac{4}{8}\right)7 \quad M0 = 69.5 + (-0.7)$$

$$M0 = 69.5 + 7 = 76.5$$

$$M0 = 76.5 + \left(\frac{0}{8}\right)7 \quad M0 = 76.5 + (0.7)7 \quad M0 = 76.5 + 0 = 76.5$$

practice

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

$$Q1 = 69.5 + \left(\frac{1.25}{4}\right)7 \quad Q1 = 69.5 + (0.14)7$$

$$Q1 = 69.5 + 0.98 \quad Q1 = 70.48$$

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

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

$$Q2 = 69.5 + 5.81 \quad Q2 = 75.31$$

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

$$Q0 = 76.5 + \left(\frac{6.75}{9}\right) \uparrow \quad Q3 = 76.5 + (0.53) \uparrow$$

$$Q3 = 76.5 + 3.77 \quad Q3 = \underline{\underline{80.27}}$$

Answers

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

$$D2 = 62.5 + \left(\frac{3}{3}\right) \uparrow \quad D2 = 62.5 + (1) \uparrow$$

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

$$D4 = D4 = \frac{25 \times 4}{10} = 10 \quad D4 = 76.5 + \left(\frac{15-14}{9}\right) \uparrow$$

$$D4 = 76.5 + \left(\frac{1}{9}\right) \uparrow \quad D4 = 76.5 + (0.11) \uparrow$$

$$D4 = 76.5 + 0.77 \quad D4 = \underline{\underline{77.27}}$$

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

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

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

Perhitungan

$$P5 = 25 \times \left(\frac{15}{100} \right) - \text{faaj} \quad P5 = \frac{25 \times 15}{100} = 3.75$$

$$P5 = 62.5 + \left(\frac{3.75 - 2}{3} \right) 7 \quad P5 = 62.5 + \left(\frac{1.75}{3} \right) 7$$

$$P5 = 62.5 + (0.58) 7 \quad P5 = 62.5 + 4.06 \quad P5 = 66.56$$

$$P70 = \frac{25 \times 70}{100} = 17.5 \quad P70 = 74.5 + \left(\frac{17.5 - 14}{9} \right) 7$$

$$P70 = 74.5 + \left(\frac{3.5}{9} \right) 7 \quad P70 = 74.5 + (0.39) 7$$

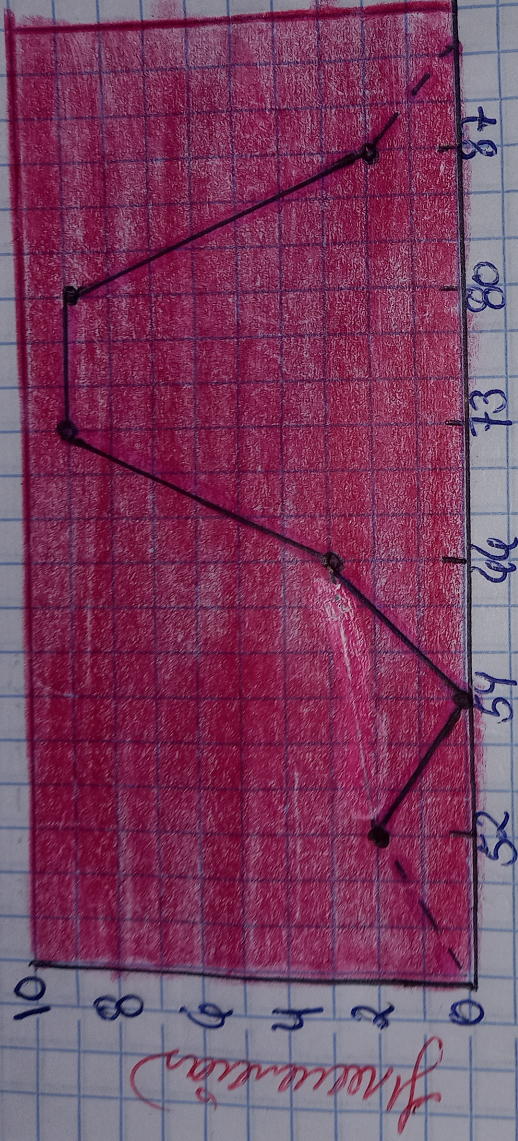
$$P70 = 74.5 + 2.73 \quad P70 = 77.23$$

$$P95 = \frac{25 \times 95}{100} = 23.75 \quad P95 = 83.5 + \left(\frac{23.75 - 23}{2} \right) 7$$

$$P95 = 83.5 + \left(\frac{0.75}{2} \right) 7 \quad P95 = 83.5 + (0.38) 7$$

$$P95 = 83.5 + 2.66 \quad P95 = 86.16$$

Puntos obtenidos por 25 alumnos en un
Examen de Probabilidad.



Puntos medios