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**Nombre del trabajo: Medidas de tendencia Central**

**Materia: Probabilidad y Estadistic**

**Grado: 1ero Bachillerato.**

**Grupo: Recursos humanos.**

~~17, 24, 16, 24, 27, 32, 36, 26, 29, 45, 36, 18,~~  
~~49, 38, 48, 27, 19, 35, 35, 21, 29, 47, 21, 30,~~  
~~20, 17, 40, 31, 20, 27, 28, 36, 17, 30, 29, 22,~~  
~~18, 24, 25, 25.~~

$$x_{max} - x_{min} = 40 - 18 = 22$$

$$k = 1 + 3.92 \sqrt{22} \quad \log(40) = 6.32 \approx 7$$

$$A = \frac{22}{2} = 11 \quad 7 = 4$$

	$x_i$	$f_i$	$fr$	$F_i$	%	$x_i \cdot f_i$
15-19	16.5	10	0.25	10	25%	165
19-23	20.5	4	0.1	14	10%	82
23-27	24.5	5	0.13	19	13%	122.5
27-31	28.5	7	0.18	26	18%	199.5
31-35	32.5	5	0.13	31	13%	162.5
35-39	36.5	6	0.15	37	15%	219
39-43	40.5	3	0.06	40	6%	121.5
		1			100%	

$$\bar{x} = \frac{336}{40} = 8.4$$

$$m_0 = L_i + \frac{f_i - f_{i-1}}{(f_i - f_{i-1}) + (f_i - f_{i+1})} \cdot d_i$$

$$m_e = L_i + \frac{\frac{N}{2} - f_{i-1}}{f_i} \cdot d_i$$

$$15 + \frac{10 - 10}{(10) + (10 - 4)} = 15$$

$$i_{mod} = \frac{n+1}{2}$$

$$2$$

$$m_0 = 22$$

$$r_{av} = \frac{1}{2} = 20$$