

# Datos Agrupados.

48, 15, 33, 3, 21, 19, 17, 16, 44, 25, 30, 3, 5, 9, 35  
 32, 26, 13, 14, 14, 47, 47, 29, 18, 11, 5, 19, 24, 1, 7  
 6, 25, 8, 18, 29, 1, 18, 22, 3, 22, 29, 2, 6, 10, 29  
 10, 21, 38, 41, 16, 17, 8, 40, 8, 10, 18, 7, 4, 4, 8  
 11, 3, 23, 10, 19, 21, 13, 12, 10, 4, 17, 11, 21, 9, 8  
 7, 5, 3, 22, 14, 25, 4, 11, 10, 18, 1, 28, 27, 19, 24  
 35, 9, 30, 8, 26. = 95 Datos

$$K = 1 + 3.322 \log n \quad w = \frac{R}{K} \quad w = \frac{47}{7} \quad w = 6.7 \rightarrow 7$$

$$K = 1 + 3.322 \log 95$$

$$K = 7.5 \rightarrow 7 \quad R = 48 - 1 = 47$$

Intervalos	$F_i$	$F_r$	$F_P$	$FPA$	$M_i$	$F_i \cdot M_i$	$(M_i - \bar{x})^2$	$(M_i - \bar{x})^2$	$F(M_i - \bar{x})^2$
1 - 7	21	0.22	22%	22	4	84	-13.3	176.89	3714.69
8 - 14	25	0.26	26%	48	11	275	-6.3	39.69	992.25
15 - 21	19	0.2	20%	68	18	342	0.7	0.49	9.31
22 - 28	13	0.14	14%	82	25	325	7.7	59.29	770.77
29 - 35	10	0.11	11%	93	32	320	14.7	216.09	2160.9
36 - 42	3	0.03	3%	96	39	117	21.7	470.89	1412.67
43 - 50	4	0.04	4%	100	46.5	186	29.2	852.64	3410.56
Total	95	1	100%			1649			12471.15

$$\bar{x} = \frac{\sum F_i \cdot M_i}{n} \quad S^2 = \frac{\sum F_i (M_i - \bar{x})^2}{n-1} \quad V = \frac{S}{\bar{x}} \times 100$$

$$\bar{x} = \frac{1649}{95} \quad S^2 = \frac{12471.15}{94} \quad V = \frac{11.51}{17.3} \times 100$$

$$\bar{x} = 17.3 \quad S^2 = 132.67 \quad V = 66.57$$

$$S = 11.51$$