

# Actividad de Plataforma

$x_i$	$F_i$	$F_i^o$	$F_r$	%	$x_i \cdot f_i$	$\sum X^2$
5	3	3	0.05	0.5%	15	75
6	4	7	0.13	1.3%	24	144
8	4	11	0.20	2.0%	32	256
12	6	17	0.32	3.2%	72	864
13	2	19	0.35	3.5%	26	338
15	4	23	0.43	4.3%	60	900
16	3	26	0.49	4.9%	48	768
20	7	33	0.62	6.2%	140	2800
25	8	41	0.77	7.7%	200	5000
32	2	43	0.81	8.1%	64	2048
35	3	46	0.86	8.6%	105	3675
40	2	48	0.90	9.0%	80	3200
45	3	51	0.96	9.6%	135	6075
75	2	53	1	11%	150	11250
					<u>1201</u>	<u>37393</u>

$$\bar{X} = 1201 / 53 = 22.66$$

$$Me = 20 //$$

$$Mo = 25 //$$

$$Rango = 5 - 75 = \underline{70 //}$$

$$30\% = P_{30} = \frac{(30)(53)}{100} = \frac{1590}{100} = 15.9 = 15^{\#} = \underline{8 //}$$

$$55\% = P_{55} = \frac{55(53)}{100} = \frac{2915}{100} = 29.15 = 29^{\#} = \underline{20 //}$$

$$75\% = P_{75} = \frac{75(53)}{100} = \frac{3975}{100} = 39.75 = 39^{\#} = \underline{20 //}$$

$$s^2 = \frac{\sum x_i^2 - \frac{(\sum x_i)^2}{n}}{n-1} \quad s^2 = \frac{37393 - \frac{1442401}{53}}{52}$$

$$s^2 = \frac{10177.887}{52}$$

$$s^2 = \frac{(37393 - (1442401))}{53} \quad s^2 = 195.72$$

varianza

$$s = 13.98 \text{ (desviaci\u00f3n)}$$

Norma