



Nombre del Alumno: Vanessa Citlali Morales Coutiño

Parcial: 3

Nombre de la Materia: Probabilidad y Estadística

Nombre del profesor: Jorge Sebastián Domínguez Torres

Nombre de la Licenciatura: RH

Cuatrimestre: Quinto

### Actividad de Plataforma

$x_i$	$f_i$	$F_i$	$f_r$	%	$x_i \cdot f_i$	$2x_i$
5	3	3	0.05	5%	15	10
6	4	7	0.13	13%	24	12
8	4	11	0.20	20%	32	16
12	6	17	0.32	32%	72	24
13	2	19	0.35	35%	26	26
15	4	23	0.43	43%	60	30
16	3	26	0.49	49%	48	32
20	7	33	0.62	62%	140	40
25	8	41	0.77	77%	200	50
32	2	43	0.81	81%	64	64
35	3	46	0.86	86%	105	70
40	2	48	0.90	90%	80	80
45	3	51	0.96	96%	135	90
75	2	53	1	100%	150	180
					1201	37393

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

$$Me = 20 //$$

$$Mo = 25 //$$

$$Rango = 5 - 75 = 70 //$$

$$30\% = P_{30} = \frac{60(53)}{100} = \frac{1590}{100} = 15.9 = 15^{\#} = 8 //$$

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

$$75\% = P_{75} = \frac{75(53)}{100} = \frac{3975}{100} = 39.75 = 39^{\#} = 30 //$$

$$s^2 = \frac{\sum x_i^2 - \frac{(\sum x_i)^2}{n}}{n-1} = \frac{37393 - \frac{1442401}{53}}{52} = \frac{37393 - 27215.113}{52} = \frac{10177.887}{52}$$

$$s^2 = \frac{(37393 - \frac{1442401}{53})}{52}$$

$$s^2 = 195.72$$

Varianza

$$s = 13.98 \text{ (desviación Norma)}$$