



NOMBRE DEL ALUMNO: CAROLINA AVENDAÑO REYES

NOMBRE DEL PROFESOR: JORGE ENRIQUE ALBORES AGUILAR

NOMBRE DEL TRABAJO: ACTIVIDAD 2

MATERIA: BIOESTADISTICA

GRADO: CUARTO CUATRIMESTRE

GRUPO: 4"A"

Comitán de Domínguez Chiapas

AVENDAÑO REYES CAROLINA 4 "A"

EJERCICIO 1

40	1600	56	3,136	65	2,025	86	3,136	50	2,500	50	2,500
55	3,025	60	3,600	55	3,025	67	4,489	49	2,401	59	3,481
60	3,600	63	3,969	54	2,916	50	2,500	55	3,025	58	3,364
63	3,969	50	2,500	50	2,500	46	2,116	48	2,304	60	3,600
47	2,209	50	2,500	65	4,225	48	2,304	40	1,600	64	4,096
40	1,600	49	2,401	62	3,844	58	3,364	44	1,936	72	5,184
55	3,025	50	2,500	78	6,084	65	4,225	50	2,500	70	4,900
50	2,500	54	2,916	84	7,056	62	3,844	45	2,025	68	4,624

$\Sigma f_i = 410$ $\Sigma f_i^2 = 432$ $\Sigma f_i = 493$ $\Sigma f_i = 455$ $\Sigma f_i = 381$ $\Sigma f_i = 507$
 $\Sigma f_i^2 = 21,528$ $\Sigma f_i^2 = 23,522$ $\Sigma f_i^2 = 31,695$ $\Sigma f_i^2 = 26,025$ $\Sigma f_i^2 = 18,291$ $\Sigma f_i^2 = 31,749$

$$\bar{x} = 2,670$$

$$\Sigma f_i^2 = 152,840$$

$$n = 48$$

40, 40, 40, 44, 45, 45, 46, 47, 48, 49, 49, 49,
 50, 50, 50, 50, 50, 50, 50, 50, 50, 54, 54, 55
 55, 55, 55, 56, 56, 58, 58, 59, 60, 60, 60, 62
 62, 63, 63, 64, 65, 65, 67, 68, 70, 72, 78, 84

$$\text{Media: } \bar{x} = \frac{\Sigma f_i}{n}$$

$$\bar{x} = \frac{2,670}{48}$$

$$\bar{x} = 55.625$$

$$s^2 = \frac{\Sigma f_i^2 - \frac{(\Sigma f_i)^2}{n}}{n-1}$$

$$s^2 = \frac{152,840 - \frac{(2,670)^2}{48}}{47}$$

$$s^2 = \frac{152,840 - (2670^2 \div 48)}{47}$$

$$s^2 = \frac{91.94}{47}$$

$$s^2 = 9.58$$

$$Mo: \underline{\underline{50}}$$

AVENDARO REYES CAROLINA 4 "A"

EJERCICIO 3:

15	30	30	20	20	26
21	21	21	18	30	30
15	15	30	30	20	15
20	20	30	21	15	20
20	20	15	20	20	21
15	21	20	15	20	21

REGISTRO	F_i	F_{ia}	$\% F_i$	$\% F_{ia}$
15	9	9	25%	25%
20	9	18	25%	50%
21	7	25	19.44%	69.44%
26	4	29	11.11%	80.55%
30	7	36	19.44%	100%
	<u>36</u>			