

INSTITUTO PRIVADO
RAFAEL ARÉVALO MARTÍNEZ

Estudiante: Sheyla Rocío Alvarado García

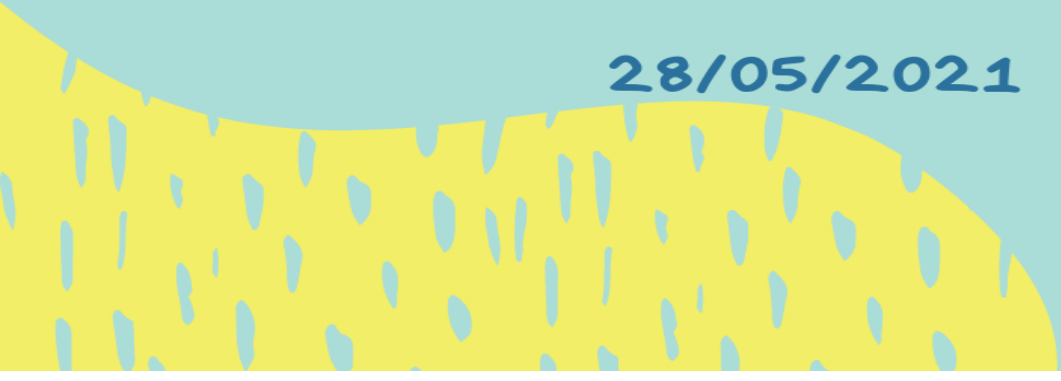
Grado y Carrera: 5. To Admón

Catedrático: Josué Estrada

Estadística 2

Actividad #5

28/05/2021



L. A	XS	F	Fx	S = XS-X	(XS-X) ²	F(XS-X) ²	(XS-X) ³	F(XS-X) ³
61 - 70	65.5	5	327.5	-17.5	306.25	1,531.25	-5,359.38	-26,796.00
71 - 80	75.5	10	755	-7.5	56.25	562.50	-421.88	-4,218.80
81 - 90	85.5	15	1,282.5	2.5	6.25	93.75	15.63	234.45
91 - 100	95.5	10	955	12.5	156.25	1,562.50	19,531.13	19,531.30
		40	3,320			3,750.00		-11,249.95

(XS-X) ⁴	F(XS-X) ⁴	(XS-X) ⁵	F(XS-X) ⁵
93,789.06	468,945.30	-1,641,309.59	-8,206,542.95
3,164.06	31,640.60	-23,730.47	-237,304.70
39.06	585.90	97.66	1,464.90
24,444.06	244,440.60	305,175.78	3,051,757.80
	745,312.40		-5,390,624.95

$$\bar{X} = \frac{3320}{40} = 83$$

$$M2 = \frac{3750}{40} = 93.75$$

$$M3 = \frac{-11249.95}{40} = -281.25$$

$$M4 = \frac{745312.40}{40} = 18,632.81$$

$$M5 = \frac{-5390,624.95}{40} = -134,765.62$$

Sheyla Alvarado
Cálculo momento de orden $n=2$ hasta $n=5$

28 / 05 / 21