

Instituto Privado Mixto
"Profesor Arévalo Martínez"

Estadística

Madelin
MO

Profesora
Josue Estada

Tarea #5

5to.
Perito en Admo.

2027

Tarea 5

Calcular momentos de orden $k=2$ hasta $k=5$

Puntos Obtenidos en Legislación Fiscal

X	F	$F \cdot x$	$ d $	$ f d $	$(x - \bar{x})^2$	$F(x - \bar{x})^2$	$(x - \bar{x})^3$	$F(x - \bar{x})^3$	$(x - \bar{x})^4$	$F(x - \bar{x})^4$	$(x - \bar{x})^5$	$F(x - \bar{x})^5$
61 - 70	5	317.5	77.5	81.5	306.25	1531.25	5,359.375	26,796.875	93,729.063	468,945.315	1,617,302.594	8,206,512.970
71 - 80	10	755	7.5	7.5	56.25	562.5	421.875	4,218.750	3,164.063	31,140.650	23,730.468	237,304.680
81 - 90	15	1182.5	-2.5	31.5	6.25	93.75	-156.25	-2,343.75	-0.004	-0.060	-97.656	-7464.840
91 - 100	10	955	-12.5	12.5	156.25	1562.50	-1953.125	-19,031.250	-24,414.063	-244,440.650	-3,057,153.81	-3,057,153.810
	40	3320				3687.5		11,250		256,445.255		5,390,625

$$\mu_k = \frac{\sum F(x - \bar{x})^k}{N}$$

$\mu_{2.5}$

$$\mu_2 = \frac{3687.5}{40} = 92.18$$

$$\mu_3 = \frac{11,250}{40} = 281.25$$

$$\mu_4 = \frac{256,445.255}{40} = 6411.13$$

$$\mu_5 = \frac{5,390,625}{40} = 134,767$$

No Vespore

