

ACTIVIDAD # 8:

Runtos Obtenidos en Legislación Fiscal									
X	h _{rs}	X _S	f	f _a	f _S	(d)(X-X)	(X-X) ²	(X-X) ³	(X-X) ³
40-51	395	51.5	1	1	45.5	28.18	794.11	794.11	24,338.08
52-63	51.5	63.5	4	5	200	16.18	64.72	261.79	4,235.81
64-75	63.5	75.5	22	27	1529	4.18	91.94	17.49	234.034
76-87	75.5	87.5	11	38	896.5	-7.82	-86.02	661.5	-478.71
88-99	87.5	99.5	5	43	462.5	-19.82	-99.1	396.83	-1964.15
					43	2161.5	20.9	-0.26	4,862.41
$(X_S - \bar{X})^4$	$f(X_S - \bar{X})^4$	$(X_S - \bar{X})^5$	$f(X_S - \bar{X})^5$						
630,614.00	630,614.50	17,770,716.74	17,770,716.74						
68,535.23	842,676.35	4,108,900.51	4435,602.04						
305.28	6,716.16	2,548.03	56,056.66						
3,739.62	41,135.82	-79,243.79	-321,681.69						
154,317.79	771,586.44	-3,053,566.71	-15,292,843.85						

Melvin Samayoa

Act. 8

Melvin Samayo

Act. No. 8

Fecha / Date:

Media Aritmética:

$$\frac{31168.5}{43} = \text{Ry } 72.67$$

Mediana:

$$\frac{43}{2} = 21.5$$

$$L_{ri} = 63.5$$

$$63.5 + \left(\frac{21.5 - 22}{22} \right) 10$$

$$N/2 = 21.5$$

$$63.5 + \left(\frac{-0.5}{22} \right) 10$$

$$f_{aa} = 22$$

$$f = 22$$

$$63.5 + (-0.25) 10$$

$$I = 12$$

$$63.5 - 2.5$$

$$\text{Ry } 61$$

Desviación Media:

$$Dm = \frac{369.98}{43} = 8.60$$

Desviación Estándar:

$$S = \sqrt{4862.41}$$

$$S = \sqrt{113.03}$$

$$\text{Ry } 10.63$$

$$V = \frac{S}{x} \cdot 100$$

$$V = \frac{10.63}{73.68} \cdot 100 = V = 0.14 \cdot 10$$

Ry la media es bastante representativa.

$$\text{Ry } 14\%$$

Melvin Samayoa

Act. No. 8

Fecha / Date:

Momentos.

$$m^2 = \frac{4,862.41}{43} = \text{Ry } 113.08$$

$$m^3 = \frac{-3261.98}{43} = \text{Ry } -75.86$$

$$m^4 = \frac{1,792,729.28}{43} = \text{Ry } 41,691.38$$

$$m^5 = \frac{6,647,849.87}{43} = \text{Ry } 154,601.16$$

$$Sk = \frac{3 \left(\frac{73.68 - 66}{10.63} \right)}{3 \left(\frac{7.68}{10.63} \right)}$$

Coefficientes.

$$B1 = \frac{75.86^2}{113.08^3} = \frac{5,754.74}{1,445,963.73}$$

$$\text{Ry } 0.004$$

$$B2 = \frac{41,691.38}{113.08^2} = \frac{41,691.38}{12,787.08}$$

$$\text{Ry } 3.26$$

$$\text{Ry } 3.26$$

La Curva es mesocurtica.

$$3(0.72)$$

Ry 2.16 distribución asimétrica sagada a la derecha.