



ESTADISTICA

Nombre: Kevin Rabanales Hernández

Grado: 4to Perito en Administración de
Empresas

Profesor: Josué Estrada

Tarea #7

Punteos obtenidos por 49 alumnos en un examen de cálculo mercantil

X	f	XS	FXS	$ d = XS - \bar{x} $	f d	$(XS - \bar{x})^2$	f $(XS - \bar{x})^2$
60-69	1	64.5	64.5	18.98	18.98	360.24	360.24
70-79	10	74.5	745	8.98	89.8	80.64	806.4
80-89	19	84.5	1,605.5	1.02	19.38	1.04	19.76
90-99	13	94.5	1,228.5	11.02	143.26	121.44	1,578.72
	49		4,090.5		325.3		3,248.96

$$\bar{X} = \frac{4,090.5}{49} = 83.48$$

$$D.M. = \frac{325.3}{49} = 6.64$$

$$S = \sqrt{\frac{3,248.96}{49}} = \sqrt{66.31} = 8.14$$

$$V = \frac{8.14}{83.48} \times 100 = 9.75\%$$

“La media es altamente representativa”