

churro de datos

regla de Sturges: $k = 1 + \log_2 n \Rightarrow k = 1 + \log_2 85 = 7.41 \approx 7$ clases

Rango: valor máx - valor mín. = $9.2 - 5.1 = 4.1$

Amplitud: rango / regla Sturges = $4.1 / 7 = 0.6$

	x_i	f_i	$x_i \cdot f_i$	$x_i^2 \cdot f_i$
[4.9, 5.57)	5.235	2	10.7	54.381
[5.57, 6.24)	5.905	0	0	0
[6.24, 6.91)	6.575	7	46.025	302.61
[6.91, 7.59)	7.25	21	152.25	1103.81
[7.59, 8.26)	7.925	36	285.3	1914.5
[8.26, 8.93)	8.595	18	154.71	1329.73
[8.93, 9.6)	9.265	1	9.265	85.84
		$n = 85$	<u>658.25</u>	<u>4701.3</u>

$$\bar{x} = \frac{\sum x_i \cdot f_i}{n} = \frac{658.25}{85} = 7.74$$

moda = [7.59, 8.26)

mediana (\hat{x}): $n/2 = 85/2 = 43$

⇓
equivale a
7.7

$$\text{varianza } (\sigma^2) = \frac{\sum x_i^2 \cdot f_i}{\sum f_i} - (\bar{x})^2 = \frac{4701.3}{85} - 7.74^2 =$$

desviación típica (σ) = $\sqrt{\sigma^2}$

coef. de variación (cv)