



- Varianza  $\sigma_x^2 = \frac{1}{n} \sum n_i (x_i - \bar{x})^2 \Rightarrow$  Desviación típica:  $\sigma_x = \sqrt{\sigma_x^2}$

- Coef. de Pearson  $CV(x) = \frac{\sigma_x}{|\bar{x}|}$

Simetría:

Fisher:  $\gamma_1 = \frac{\mu_3}{\sigma^3}$

:  $Ap = \frac{\bar{x} - Mo}{\sigma}$   $Ap^* = \frac{3(\bar{x} - Me)}{\sigma}$

Curtois leptó, plati o meso

Fisher  $\gamma_2 = \frac{\mu_4}{\sigma^4} - 3$

$K = \frac{Q_3 - Q_1}{Q_3 - Q_1} = 0.263$

Tema 2:

- Indep. estadística

- Indep. funcional

- Covarianza  $\sigma_{xy} = \frac{\sum f_{ij} x_i y_j}{n} - \bar{x} \bar{y} = \sum_i \sum_j f_{ij} (x_i - \bar{x})(y_j - \bar{y})$

- Recta de regresión  $y = \bar{y} + \frac{\sigma_{xy}}{\sigma_x^2} (x - \bar{x})$

- Parábola:  $y = a + bx + cx^2$

$$\begin{cases} a + m_{10}b + m_{20}c = m_{01} \\ m_{10}a + m_{20}b + m_{30}c = m_{11} \\ m_{20}a + m_{30}b + m_{40}c = m_{21} \end{cases}$$

- Coef. de determinación  $\eta^2 = \frac{\sigma_{\hat{y}}^2}{\sigma_y^2}$   $\sigma_{\hat{y}}^2 = \sum f_i (\hat{y}_i - \bar{y})^2$

En rectas de regresión:  $\eta^2 = r^2 = \frac{\sigma_{xy}^2}{\sigma_x^2 \sigma_y^2} \Rightarrow r = \frac{\sigma_{xy}}{\sigma_x \sigma_y}$