

→ Ejercicio 2.7:

| x_i | x_i | $x_i - \bar{x}$ | $y_i - \bar{y}$ | $(x_i - \bar{x})(y_i - \bar{y})$ |
|-------|-------|-----------------|-----------------|----------------------------------|
| 3 | 1 | -1'364 | -0'336 | 0'868 |
| 5 | 2 | | 0'364 | 0'232 |
| 4 | 1 | 0'636 | -0'336 | 0'232 |
| 6 | 3 | -0'364 | 2'364 | 2'832 |
| 6 | 3 | 1'636 | 1'364 | 3'595 |
| 7 | 3 | 2'636 | 1'364 | 0'868 |
| 5 | 2 | 0'636 | 0'364 | -0'132 |
| 4 | 2 | -0'364 | -0'636 | 1'504 |
| 2 | 0 | -2'364 | -1'636 | 5'504 |
| 2 | 1 | -3'364 | -0'636 | -0'405 |
| 1 | 1 | 0'636 | -0'636 | -1'042 |
| 5 | 1 | 2'636 | | |
| 6 | | | | |
| 48 | 18 | | | 13'455 |

$$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i = \frac{48}{11} = 4'364$$

$$\bar{y} = \frac{1}{n} \sum_{i=1}^n y_i = \frac{18}{11} = 1'636$$

$$S_{xy} = \frac{1}{n} \sum (x_i - \bar{x})(y_i - \bar{y}) = \frac{13'455}{11} = 1'22$$