

Siga los pasos (números rojos) para calcular la Varianza (Var) y la desviación Estandard (St Dev)

|             | (1)       | (2)                                 | (3)               |                                                 |
|-------------|-----------|-------------------------------------|-------------------|-------------------------------------------------|
| $x_i$       | Peso (kg) | $(\bar{x} - 1)$                     | $(\bar{x} - 1)^2$ |                                                 |
| 1           | 81        | 3.55                                | 12.60             |                                                 |
| 2           | 78        | 0.55                                | 0.30              |                                                 |
| 3           | 77        | -0.45                               | 0.20              |                                                 |
| 4           | 60        | -17.45                              | 304.50            |                                                 |
| 5           | 93        | 15.55                               | 241.80            | (5)                                             |
| 6           | 95        | 17.55                               | 308.00            |                                                 |
| 7           | 88        | 10.55                               | 111.30            | Var = $\frac{\text{Sum}(\bar{x} - 1)^2}{n - 1}$ |
| 8           | 75        | -2.45                               | 6.00              |                                                 |
| 9           | 56        | -21.45                              | 460.10            |                                                 |
| 10          | 63        | -14.45                              | 208.80            |                                                 |
| 11          | 90        | 12.55                               | 157.50            | Var = $\frac{3164.95}{(20 - 1)}$                |
| 12          | 88        | 10.55                               | 111.30            |                                                 |
| 13          | 92        | 14.55                               | 211.70            |                                                 |
| 14          | 73        | -4.45                               | 19.80             |                                                 |
| 15          | 61        | -16.45                              | 270.60            | Var = $\frac{3164.95}{(19)}$                    |
| 16          | 85        | 7.55                                | 57.00             |                                                 |
| 17          | 77        | -0.45                               | 0.20              |                                                 |
| 18          | 59        | -18.45                              | 340.40            | Var = 166.58                                    |
| 19          | 66        | -11.45                              | 131.10            |                                                 |
| 20          | 92        | 14.55                               | 211.70            |                                                 |
| $\bar{x} =$ | 77.45     | Sum( $\bar{x} - 1$ ) <sup>2</sup> = | 3164.95           | (6)                                             |
| Promedio    |           |                                     |                   |                                                 |
|             |           | (4)                                 |                   | St Dev = $\sqrt{\text{Var}}$                    |
|             |           |                                     |                   | St Dev = $\sqrt{166.58}$                        |
|             |           |                                     |                   | St Dev = 12.91                                  |