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Error tipico y Valor mas exacto

V_2 { 12.645, 12.710, 12.545, 12.656, 12.800, 12.750, 12.500, 12.550, 12.670, 12.740 }

$$x_{prom} = \frac{\sum x_i}{n} = 12.6566 \qquad R_i = |x_{prom} - x_i|$$

R1 = |12.6566 - 12.6451| = 0.0116
R2 = |12.6566 - 12.710| = 0.0534
R3 = |12.6566 - 12.545| = 0.1116
R4 = |12.6566 - 12.656| = 0.0006
R5 = |12.6566 - 12.800| = 0.1434
R6 = |12.6566 - 12.750| = 0.0934
R7 = |12.6566 - 12.500| = 0.1566
R8 = |12.6566 - 12.550| = 0.1066
R9 = |12.6566 - 12.670| = 0.0134
R10 = |12.6566 - 12.740| = 0.0834

$$r = \frac{\sum R_i}{n} \qquad r = \frac{0.774}{10} = 0.0774$$

σ_m → Error tipico $\qquad \sigma_m = (1.25) \cdot \left[\frac{r}{(n-1)^{1/2}}\right]$

$$\sigma_m = (1.25)\left[\frac{0.0774}{(10-1)^{1/2}}\right] = 0.03225 \text{ volts}$$

Valor mas exacto = $x_{prom} \pm \sigma_m$

Valor mas exacto = 12.6566 ± 0.03225 volts