Fórmulas Estadística Descriptiva y Regresión

$$s^2 = \frac{\sum x_i^2 n_i}{n} - \overline{x}^2 \tag{1}$$

$$g_1 = \frac{\sum (x_i - \overline{x})^3 n_i}{n s^3} \tag{2}$$

$$g_2 = \frac{\sum (x_i - \overline{x})^4 n_i}{n s^4} - 3 \tag{3}$$

$$s_{xy} = \frac{\sum x_i y_j n_{ij}}{n} - \overline{x} \cdot \overline{y} \tag{4}$$

$$Me = l_{i-1} + \frac{n/2 - N_{i-1}}{n_i} a_i \tag{5}$$

$$P_i = l_{i-1} + \frac{F_{P_i} - F_{i-1}}{F_i - F_{i-1}} (l_i - l_{i-1}) \tag{6}$$

Fórmulas Probabilidad

$$P(A|B) = \frac{P(A \cap B)}{P(B)} \tag{7}$$

$$B(n,p) = \binom{n}{x} p^x (1-p)^{n-x} = \frac{n!}{x!(n-x)!} p^x (1-p)^{n-x} \tag{8}$$

$$P(\lambda) = e^{-\lambda} \frac{\lambda^x}{x!} \tag{9}$$