$V(x) = \begin{cases} y \cdot f(x) dx & continun \\ g(x) = f(x^2) - f(x) \end{cases}$ $V(x) = f(x^2) - f(x) \int_{-R}^{2} f(x) dx$ Rec(x)

FORMULARIO Nº 1 ESTADÍSTICA DESCRIPTIVA UNIVARIADA

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FUNCIÓN	FÓRMULA	OBSERVACIÓN
Promedio	$\overline{X} = \frac{\sum_{i=1}^{n} x_{i} \cdot X_{i}}{n}$ $\overline{X} = \frac{\sum_{i=1}^{n} W_{i} \cdot X_{i}}{\sum_{i=1}^{n} W_{i}} W_{i} = \text{parámetro de ponderación}$	Promedio Ponderado
	$\overline{X}_{T} = \frac{\sum \overline{X}_{h} * n_{h}}{n}$	Promedio Total o estratificado
Mediana	$Me = X^{\left(\frac{n+1}{2}\right)}$	Datos no tabulados (n impar)
	$Me = \frac{X^{\left(\frac{n}{2}\right)} + X^{\left(\frac{n}{2}+1\right)}}{2}$	Datos no tabulados (n par)
	$Me = \frac{X^{\left(\frac{n}{2}\right)} + X^{\left(\frac{n}{2}+1\right)}}{2}$ $N_{i-1} + a_i \frac{2}{n_i}$ $N_{i-1} + a_i \frac{2}{n_i}$ $N_{i-1} + a_i \frac{2}{n_i}$ $N_{i-1} + n_i \frac{2}{n_i}$ $N_{i-1} $	Datos tabulados (Var. Continua)
Moda	$Md = Y'_{i-1} + a_i \left[\frac{\Delta_A}{\Delta_A + \Delta_P} \right]$	$\Delta_{\mathbf{A}} = \mathbf{n}_{i} - \mathbf{n}_{i-1}$ $\Delta_{\mathbf{P}} = \mathbf{n}_{i} - \mathbf{n}_{i+1}$
Percentil	$P_k = Y_{i-1} + a_i \frac{n * k}{100} - N_{i-1}$ $P_k = \sum_{i=1}^{n} + a_i \frac{100}{n_i} - \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{i$	X (n. K) 14+05 No to out
Media Geométrica	$Mg = \sqrt[n]{Y_1^{n_1} \cdot Y_2^{n_2} \cdot Y_3^{n_3} \cdot \ldots \cdot Y_k^{n_k}}$	$Mg \leq \overline{X}$
Media Armónica	$M_{H} = \frac{n}{\sum_{i=1}^{k} \frac{1}{y_{i} \cdot n_{i}}}$	$M_{\rm H} \leq M_{\rm g}$
Varianza	$S^{2}(\sigma^{2}) = \frac{\sum_{i=1}^{n} n_{i} (Y_{i} - \overline{Y})^{2}}{n} = \frac{\sum_{i=1}^{n} n_{i} * Y_{i}^{2}}{n} - \overline{Y}^{2}$	$\sigma = +\sqrt{V(Y)}$
Coef. de Variación	$CV(X) = \frac{\sigma}{\overline{X}}$	
Puntaje Típico	$Z_{h} = \frac{X_{h} - X}{\sigma} \frac{2}{\sigma} \frac{2}$	PEROLUE A SEL SEUPO
	,	
Intravarianza	$S_{w}^{2} = \frac{\sum n_{h} * S_{h}^{2}}{n + \sum \sum \sum (X_{ij} - \overline{X}_{i})^{2}} = \sum \sum \sum (X_{ij} - \overline{X}_{i})^{2}$	Xz = Enh * X Proncoio ne
Intervarianza	$S_{w}^{2} = \frac{\sum n_{h} * S_{h}^{2}}{n \rightarrow P_{techer}} = \sum_{\substack{n \text{ in } \\ n \text{ on } \\ n o$	
Intervarianza	$S_{w}^{2} = \frac{\sum n_{h} * S_{h}^{2}}{n \rightarrow \beta_{tecepore}} = \sum_{\substack{n \text{ products} \\ n \text{ products}}} \frac{\sum \left(X_{ij} - \overline{X}_{i}\right)^{2}}{n \sqrt{n}} = \sum_{\substack{n \text{ products} \\ n \text{ products}}} \frac{\sum \left(X_{ij} - \overline{X}_{i}\right)^{2}}{n \sqrt{n}} = \sum_{\substack{n \text{ products} \\ n \text{ products}}} \frac{\sum \left(X_{i} - \overline{X}_{i}\right)^{2}}{n \sqrt{n}}$ $\beta_{1} = \frac{\sum \left(X_{i} - \overline{X}\right)^{3}}{n \cdot \sigma^{3}}$ $\gamma_{1} = \frac{\sum \left(X_{i} - \overline{X}\right)^{4}}{n \cdot \sigma^{4}}$	Xz = Znh * Xx Peonsoil ne

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