

newline *PMS indica N donde N es la cantidad de valores Y a promediar*

$$Iv = \frac{\sum_{n=1}^N Q_n \cdot P_n}{\sum_{n=1}^N Q_0 \cdot P_0}$$

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newline

Las Peyres

newline

$$IP_{la} = \frac{\sum_{n=1}^N P_n \cdot Q_0}{\sum_{n=1}^N P_0 \cdot Q_0}$$
 newline

$$IQ_{la} = \frac{\sum_{n=1}^N P_0 \cdot Q_n}{\sum_{n=1}^N P_0 \cdot Q_0}$$
 newline newline

Paasche newline

$$IP_{pa} = \frac{\sum_{n=1}^N P_n \cdot Q_n}{\sum_{n=1}^N P_0 \cdot Q_n}$$
 newline

$$IQ_{pa} = \frac{\sum_{n=1}^N P_n \cdot Q_n}{\sum_{n=1}^N P_n \cdot Q_0}$$
 newline newline

Ideal Fisher newline

$$IP_{fi} = \sqrt{IP_{la} \cdot IP_{pa}}$$
 newline

$$IQ_{fi} = \sqrt{IQ_{la} \cdot IQ_{pa}}$$
 newline newline

Promedio Móvil Simple(PMS) newline

PMS indica N donde N es la cantidad de valores Y a promediar newline newline

Promedio Móvil Ponderado(PMP)

newline

$$F_x = S_1 \cdot (Y-2) + S_2 \cdot (Y-1)$$

newline

newline

Suavización Exponencial Simple(SES) newline

$$F_1 = Y_1$$
 newline

$$F_t = \alpha \cdot y_{t-1} + (1 - \alpha) \cdot F_{t-1}$$
 newline newline

Análisis de Error (EC ECM) newline

$$EC = \sum (Y_i - F_i)^2$$
 newline newline

Desviación absoluta media del error (DAM) newline

$$DAM_t = \frac{1}{t} \sum_{i=1}^t |e_i| = \frac{1}{t} \sum_{i=1}^t |Y_i - F_i|$$
 newline newline

Porcentaje Absoluto (PAME) newline

$$PAME_t = \frac{\sum |e_i|}{Y_t}$$
 newline

$$PAME_1 = \frac{\sum |e_1|}{Y_1} \cdot 100$$