

Maximum Absolute Relative Error = MAXARE

Synonym: [Maximum Absolute Relative Error \(MAXARE\)](#) = [Maximum Absolute Percentage Error \(MAXAPE\)](#)

[Statistical metric](#) characterizing the [model](#) prediction quality ([goodness of fit](#)) between the [datasets](#) of a given variable x and its [estimator](#) $\hat{x}$:

$$(1) \quad \text{MAXARE} = \max \left\{ \left| \frac{\hat{x}_k - x_k}{x_k} \right| \right\}_{k=1..N}$$

See also

[Formal science](#) / [Mathematics](#) / [Statistics](#) / [Statistical Metric](#)

[Natural Science](#) / [System](#) / [Model](#)