

Correlation skewness = S3

(1) $S_3 = \bar{\mu}_3(\delta x) = \bar{\mu}_3(x - \hat{x})$

where

$x = \{x_1, x_2, x_3, \dots x_N\}$	numerical dataset , representing the samples of property x
$\hat{x} = \{\hat{x}_1, \hat{x}_2, \hat{x}_3, \dots \hat{x}_N\}$	model prediction of property x
$\delta x = x - \hat{x}$	discrepancy dataset
$\bar{\mu}_3(\delta x)$	3-rd order standardized central momentum of the discrepancy dataset δx

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