

CONSISTENCY

OF A MODEL

The condition that the probability the predicted target and true target difference is greater than some amount approaches zero as the number of observations approaches infinity.

$$\Pr\left(\left|\overset{\text{Predicted}}{\hat{y}_n} - \underset{\text{True}}{y_n}\right| > \overset{\text{Some error}}{e}\right) \rightarrow 0 \text{ as } \underset{\text{Number of observations}}{n} \rightarrow \infty$$

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