R^2

$$R^2 = 1 - \frac{\sum \left(y_i - \hat{y}_i \right)^2}{\sum \left(y_i - \bar{y} \right)^2}$$

R^2 looks at how much variance in the target vector is explained by the features

TRUE y

PREDICTED y

VARIANCE IN PREDICTIONS VS. TRUE ys

VARIANCE IN TARGET VECTOR

TRUE y

MEAN TRUE y

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