

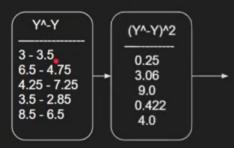
or MSE =
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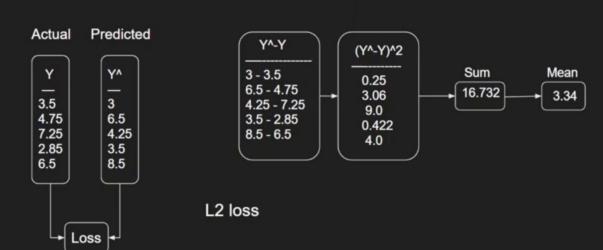
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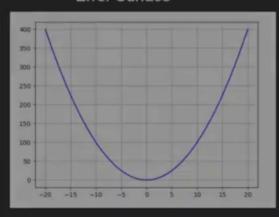
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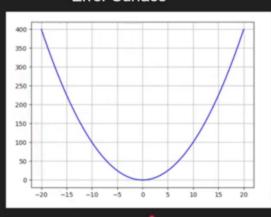
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# MSE loss function

def mse_loss(y_pred, y_true):
    squared_error = (y_pred - y_true) ** 2
    sum_squared_error = np.sum(squared_error)
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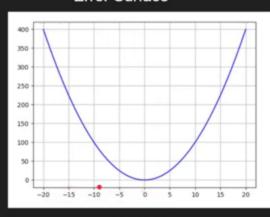


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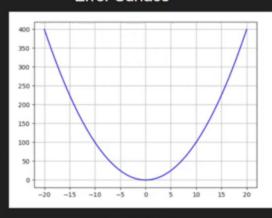




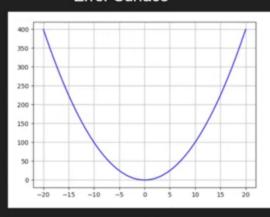
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- No positive-negative value cancellation
- Weighted errors
- Smooth loss function
- Prefered to MAE
- High loss in case of outliers

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$$\left| \sqrt[2]{rac{1}{n}} \sum_{i=1}^n (y_{i^p} {-} y_i)^2
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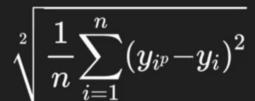
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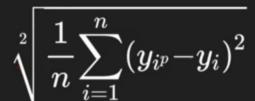
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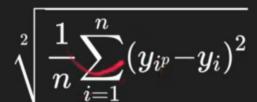
- Square Root of MSE
- Better interpretation of Error
- Preferred to MSE
- Commonly used loss function



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