

Data Science Workshop Session 5

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A decorative graphic consisting of two overlapping parallelograms, one red and one orange, with a white diagonal line separating them.

Objectives

1. Overview of Regression and Classification Model Evaluation Metrics
2. Hyperparameter Tuning

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Evaluation Metrics

Metrics for Regression:

Evaluation metrics for regression models provide a measure of the *deviation* of the predicted values from the actual values

Metrics for Classification:

Evaluation metrics for classification models provide a measure the degree of *misclassification* in the predicted categories

Scikit-Learn provides implementations of several metrics. See [HERE](#)

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Hyperparameter Tuning

- Also referred to as *model fine-tuning*
- Every “model” has parameters that can be fine-tuned to improve its performance
- Some python modules exist to help with this fine-tuning
- Go to DEMO

On the left side of the slide, there are several overlapping geometric shapes in orange, red, and grey, creating a modern, abstract design.

THANK YOU!
Any Questions

