

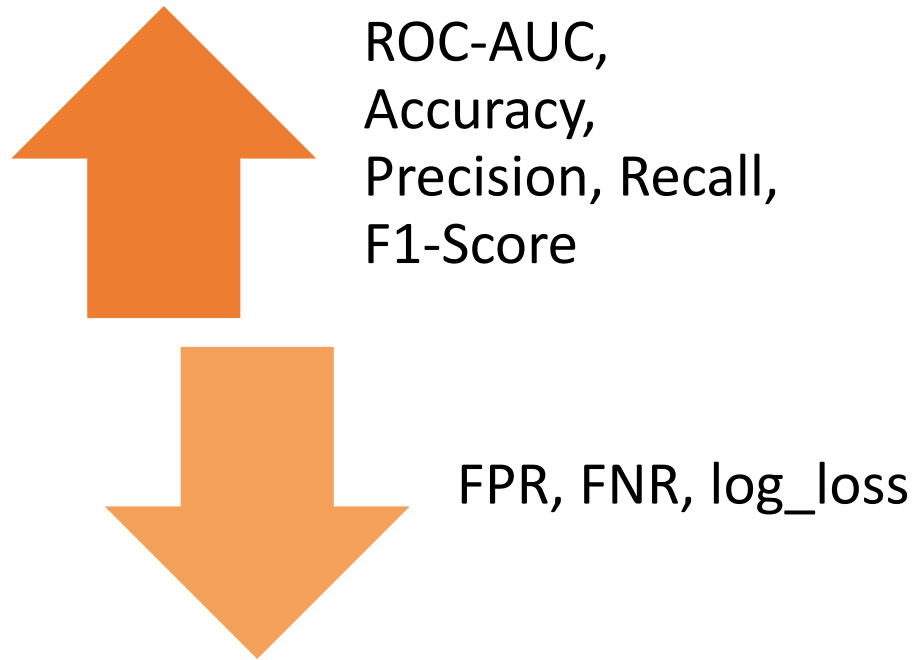


# Scikit-learn Metrics

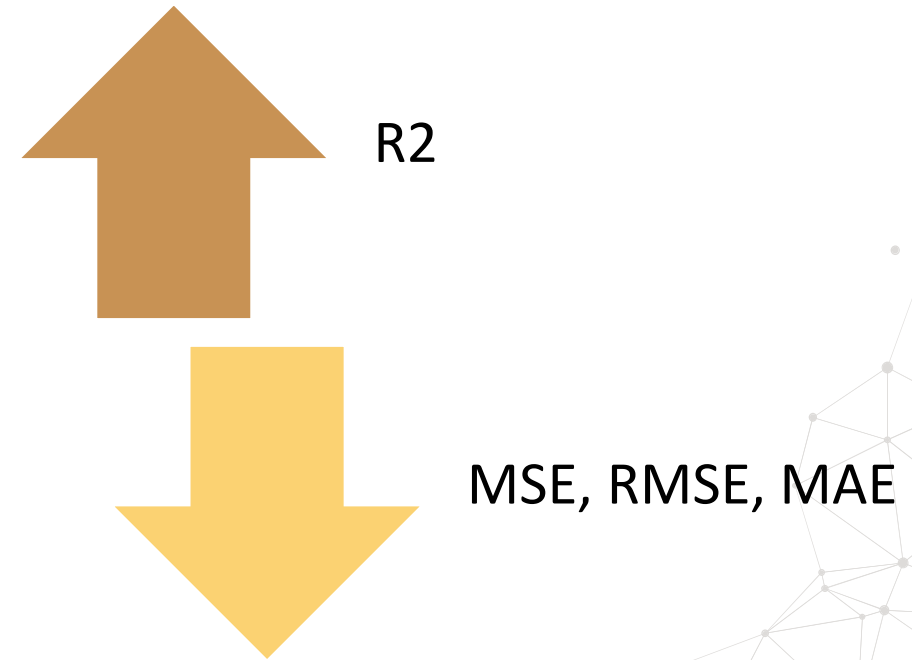
Overview

# Metric Optimization

## Classification

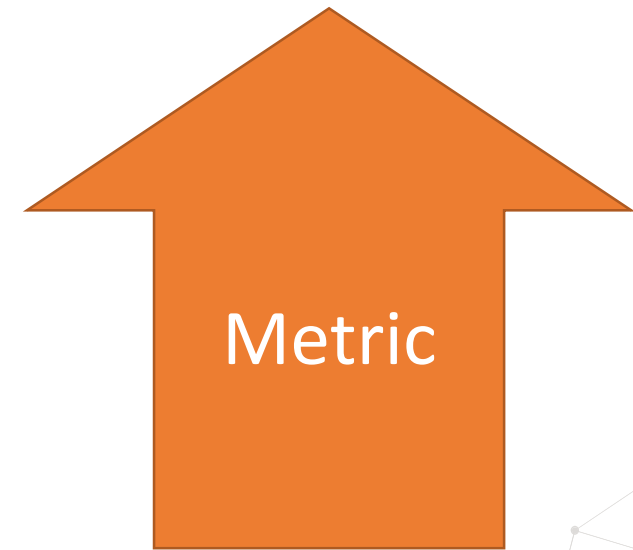


## Regression

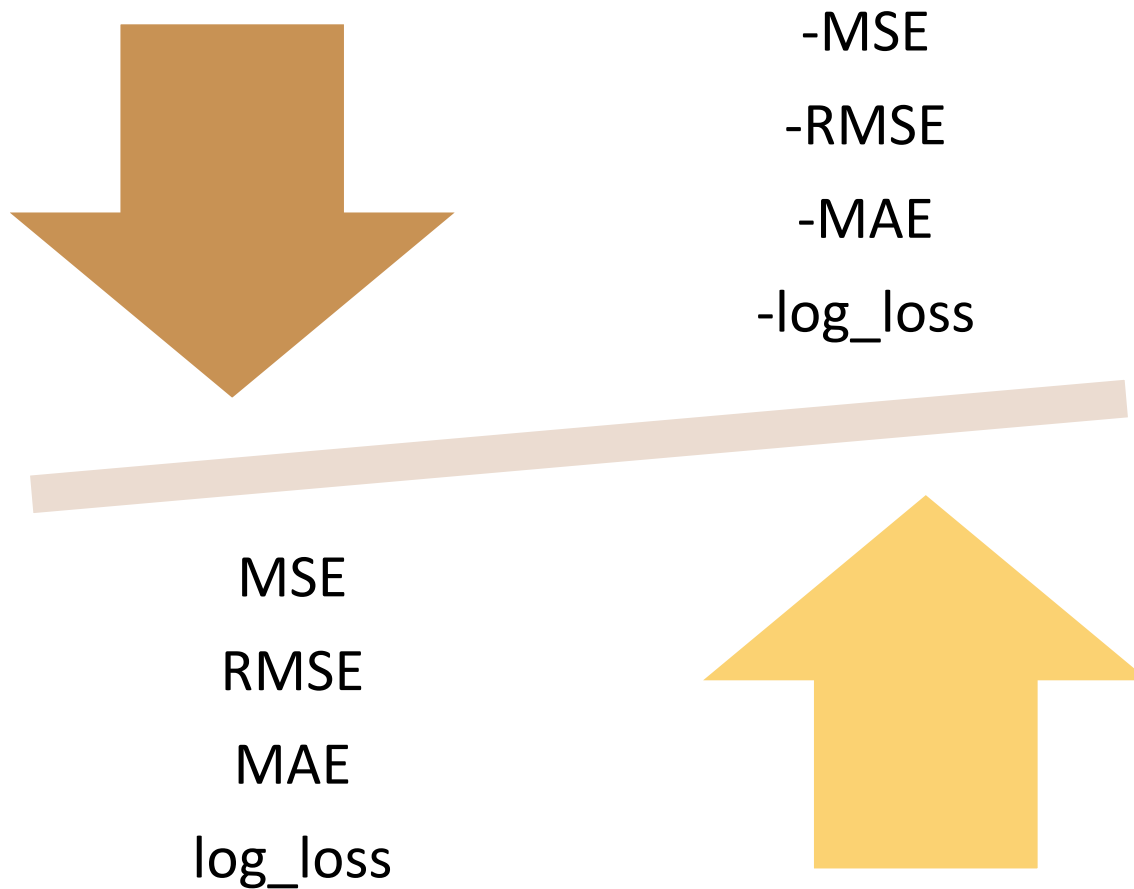


# Scikit-learn Optimization

- GridSearch and RandomSearch
- Cross\_validate



# Scikit-learn Metrics



To minimize the required metric, it maximizes the negated version of the metric.

E.g.,  $mse=10$  is better than  $mse=100$ .

If it maximizes  $-mse$ , then it will select model with  $-mse=10$  because  $-10 > -100$

# Scikit-learn Metrics

## Scikit-learn available metrics

Not all metrics available, but we can make our own metrics with the [make\\_scorer](#)

# THANK YOU

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