

Evaluating and Validating Machine Learning Models

Evaluation methods

	Code Syntax
report with precision, recall, f1 score and support for each class in classification problems. Useful for model comparison. Parameters: y_true: List of labels to include in report. y_pred: Predicted labels. target_names: List of target class names. May not provide enough information for imbalanced datasets.	<pre>1 from sklearn.metrics import classification_report 2 # y_true: True labels 3 # y_pred: Predicted labels 4 # target_names: List of target class names 5 report = classification_report(y_true, y_pred, target_names=["class1", "class2"])</pre>
confusion matrix to evaluate classification performance, in terms of true positives, false	