| **Scoring** | **Function** | **Comment** |
| --- | --- | --- |
| **Classification** |  |  |
| ‘accuracy’ | [**metrics.accuracy\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.accuracy_score.html#sklearn.metrics.accuracy_score) |  |
| ‘balanced\_accuracy’ | [**metrics.balanced\_accuracy\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.balanced_accuracy_score.html#sklearn.metrics.balanced_accuracy_score) |  |
| ‘average\_precision’ | [**metrics.average\_precision\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.average_precision_score.html#sklearn.metrics.average_precision_score) |  |
| ‘neg\_brier\_score’ | [**metrics.brier\_score\_loss**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.brier_score_loss.html#sklearn.metrics.brier_score_loss) |  |
| ‘f1’ | [**metrics.f1\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score) | for binary targets |
| ‘f1\_micro’ | [**metrics.f1\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score) | micro-averaged |
| ‘f1\_macro’ | [**metrics.f1\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score) | macro-averaged |
| ‘f1\_weighted’ | [**metrics.f1\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score) | weighted average |
| ‘f1\_samples’ | [**metrics.f1\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.f1_score.html#sklearn.metrics.f1_score) | by multilabel sample |
| ‘neg\_log\_loss’ | [**metrics.log\_loss**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.log_loss.html#sklearn.metrics.log_loss) | requires predict\_proba support |
| ‘precision’ etc. | [**metrics.precision\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.precision_score.html#sklearn.metrics.precision_score) | suffixes apply as with ‘f1’ |
| ‘recall’ etc. | [**metrics.recall\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.recall_score.html#sklearn.metrics.recall_score) | suffixes apply as with ‘f1’ |
| ‘jaccard’ etc. | [**metrics.jaccard\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.jaccard_score.html#sklearn.metrics.jaccard_score) | suffixes apply as with ‘f1’ |
| ‘roc\_auc’ | [**metrics.roc\_auc\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.roc_auc_score.html#sklearn.metrics.roc_auc_score) |  |
| ‘roc\_auc\_ovr’ | [**metrics.roc\_auc\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.roc_auc_score.html#sklearn.metrics.roc_auc_score) |  |
| ‘roc\_auc\_ovo’ | [**metrics.roc\_auc\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.roc_auc_score.html#sklearn.metrics.roc_auc_score) |  |
| ‘roc\_auc\_ovr\_weighted’ | [**metrics.roc\_auc\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.roc_auc_score.html#sklearn.metrics.roc_auc_score) |  |
| ‘roc\_auc\_ovo\_weighted’ | [**metrics.roc\_auc\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.roc_auc_score.html#sklearn.metrics.roc_auc_score) |  |
| **Clustering** |  |  |
| ‘adjusted\_mutual\_info\_score’ | [**metrics.adjusted\_mutual\_info\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.adjusted_mutual_info_score.html#sklearn.metrics.adjusted_mutual_info_score) |  |
| ‘adjusted\_rand\_score’ | [**metrics.adjusted\_rand\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.adjusted_rand_score.html#sklearn.metrics.adjusted_rand_score) |  |
| ‘completeness\_score’ | [**metrics.completeness\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.completeness_score.html#sklearn.metrics.completeness_score) |  |
| ‘fowlkes\_mallows\_score’ | [**metrics.fowlkes\_mallows\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.fowlkes_mallows_score.html#sklearn.metrics.fowlkes_mallows_score) |  |
| ‘homogeneity\_score’ | [**metrics.homogeneity\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.homogeneity_score.html#sklearn.metrics.homogeneity_score) |  |
| ‘mutual\_info\_score’ | [**metrics.mutual\_info\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mutual_info_score.html#sklearn.metrics.mutual_info_score) |  |
| ‘normalized\_mutual\_info\_score’ | [**metrics.normalized\_mutual\_info\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.normalized_mutual_info_score.html#sklearn.metrics.normalized_mutual_info_score) |  |
| ‘v\_measure\_score’ | [**metrics.v\_measure\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.v_measure_score.html#sklearn.metrics.v_measure_score) |  |
| **Regression** |  |  |
| ‘explained\_variance’ | [**metrics.explained\_variance\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.explained_variance_score.html#sklearn.metrics.explained_variance_score) |  |
| ‘max\_error’ | [**metrics.max\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.max_error.html#sklearn.metrics.max_error) |  |
| ‘neg\_mean\_absolute\_error’ | [**metrics.mean\_absolute\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_absolute_error.html#sklearn.metrics.mean_absolute_error) |  |
| ‘neg\_mean\_squared\_error’ | [**metrics.mean\_squared\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_squared_error.html#sklearn.metrics.mean_squared_error) |  |
| ‘neg\_root\_mean\_squared\_error’ | [**metrics.mean\_squared\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_squared_error.html#sklearn.metrics.mean_squared_error) |  |
| ‘neg\_mean\_squared\_log\_error’ | [**metrics.mean\_squared\_log\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_squared_log_error.html#sklearn.metrics.mean_squared_log_error) |  |
| ‘neg\_median\_absolute\_error’ | [**metrics.median\_absolute\_error**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.median_absolute_error.html#sklearn.metrics.median_absolute_error) |  |
| ‘r2’ | [**metrics.r2\_score**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.r2_score.html#sklearn.metrics.r2_score) |  |
| ‘neg\_mean\_poisson\_deviance’ | [**metrics.mean\_poisson\_deviance**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_poisson_deviance.html#sklearn.metrics.mean_poisson_deviance) |  |
| ‘neg\_mean\_gamma\_deviance’ | [**metrics.mean\_gamma\_deviance**](https://scikit-learn.org/stable/modules/generated/sklearn.metrics.mean_gamma_deviance.html#sklearn.metrics.mean_gamma_deviance) |  |

**Accuracy classification score:**

In multilabel classification, this function computes subset accuracy: the set of labels predicted for a sample must exactly match the corresponding set of labels in y\_true.