

API Reference

This is the class and function reference of scikit-learn. Please refer to the [ref: full user guide <user_guide>](#) for further details, as the class and function raw specifications may not be enough to give full guidelines on their uses. For reference on concepts repeated across the API, see [ref: glossary](#).

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 7); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 7); [backlink](#)

Unknown interpreted text role "ref".

:mod:`sklearn.base`: Base classes and utility functions

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 14); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 17)

Unknown directive type "automodule".

```
.. automodule:: sklearn.base
   :no-members:
   :no-inherited-members:
```

Base classes

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 23)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 25)

Unknown directive type "autosummary".

```
.. autosummary::
   :nosignatures:
   :toctree: generated/
   :template: class.rst

   base.BaseEstimator
   base.Biclustermixin
   base.ClassifierMixin
   base.ClusterMixin
   base.DensityMixin
   base.RegressorMixin
   base.TransformerMixin
   feature_selection.SelectorMixin
```

Functions

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 41)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 43)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: function.rst

  base.clone
  base.is_classifier
  base.is_regressor
  config_context
  get_config
  set_config
  show_versions
```

:mod:`sklearn.calibration`: Probability Calibration

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 57); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 60)

Unknown directive type "automodule".

```
.. automodule:: sklearn.calibration
  :no-members:
  :no-inherited-members:
```

User guide: See the [ref`calibration`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 64); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 66)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 68)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: class.rst

  calibration.CalibratedClassifierCV
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 75)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: function.rst

  calibration.calibration_curve
```

:mod:`sklearn.cluster`: Clustering

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 83); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 86)

Unknown directive type "automodule".

```
.. automodule:: sklearn.cluster
  :no-members:
  :no-inherited-members:
```

User guide: See the [ref`clustering`](#) and [ref`biclustering`](#) sections for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 90); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 90); [backlink](#)

Unknown interpreted text role "ref".

Classes

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 95)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 97)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: class.rst

  cluster.AffinityPropagation
  cluster.AgglomerativeClustering
  cluster.Birch
  cluster.DBSCAN
  cluster.FeatureAgglomeration
  cluster.KMeans
  cluster.MinibatchKMeans
  cluster.MeanShift
  cluster.OPTICS
  cluster.SpectralClustering
  cluster.SpectralBiclustering
  cluster.SpectralCoclustering
```

Functions

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 116)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   cluster.affinity_propagation
   cluster.cluster_optics_dbscan
   cluster.cluster_optics_xi
   cluster.compute_optics_graph
   cluster.dbscan
   cluster.estimate_bandwidth
   cluster.k_means
   cluster.kmeans_plusplus
   cluster.mean_shift
   cluster.spectral_clustering
   cluster.ward_tree
```

:mod:`sklearn.compose`: Composite Estimators

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 134); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 137)

Unknown directive type "automodule".

```
.. automodule:: sklearn.compose
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`combining_estimators`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 141); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 144)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 146)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: class.rst

   compose.ColumnTransformer
   compose.TransformedTargetRegressor
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 153)

Unknown directive type "autosummary".

```
.. autosummary::
```

```
:toctree: generated/
:template: function.rst

compose.make_column_transformer
compose.make_column_selector
```

:mod:`sklearn.covariance`: Covariance Estimators

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 162); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 165)

Unknown directive type "automodule".

```
.. automodule:: sklearn.covariance
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref`covariance`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 169); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 171)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 173)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   covariance.EmpiricalCovariance
   covariance.EllipticEnvelope
   covariance.GraphicalLasso
   covariance.GraphicalLassoCV
   covariance.LedoitWolf
   covariance.MinCovDet
   covariance.OAS
   covariance.ShrunkCovariance
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 186)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   covariance.empirical_covariance
   covariance.graphical_lasso
   covariance.ledoit_wolf
   covariance.oas
   covariance.shrunk_covariance
```

:mod:`sklearn.cross_decomposition`: Cross decomposition

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 198); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 201)

Unknown directive type "automodule".

```
.. automodule:: sklearn.cross_decomposition
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`cross_decomposition`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 205); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 207)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 209)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   cross_decomposition.CCA
   cross_decomposition.PLSCanonical
   cross_decomposition.PLSRegression
   cross_decomposition.PLSSVD
```

:mod:`sklearn.datasets`: Datasets

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 220); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 223)

Unknown directive type "automodule".

```
.. automodule:: sklearn.datasets
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`datasets`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 227); [backlink](#)

Unknown interpreted text role "ref".

Loaders

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 232)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 234)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   datasets.clear_data_home
   datasets.dump_svmlight_file
   datasets.fetch_20newsgroups
   datasets.fetch_20newsgroups_vectorized
   datasets.fetch_california_housing
   datasets.fetch_covtype
   datasets.fetch_kddcup99
   datasets.fetch_lfw_pairs
   datasets.fetch_lfw_people
   datasets.fetch_olivetti_faces
   datasets.fetch_openml
   datasets.fetch_rcv1
   datasets.fetch_species_distributions
   datasets.get_data_home
   datasets.load_boston
   datasets.load_breast_cancer
   datasets.load_diabetes
   datasets.load_digits
   datasets.load_files
   datasets.load_iris
   datasets.load_linnerud
   datasets.load_sample_image
   datasets.load_sample_images
   datasets.load_svmlight_file
   datasets.load_svmlight_files
   datasets.load_wine
```

Samples generator

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 268)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 270)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   datasets.make_biclusters
   datasets.make_blobs
   datasets.make_checkerboard
   datasets.make_circles
   datasets.make_classification
   datasets.make_friedman1
   datasets.make_friedman2
   datasets.make_friedman3
   datasets.make_gaussian_quantiles
```

```
datasets.make_hastie_10_2
datasets.make_low_rank_matrix
datasets.make_moons
datasets.make_multilabel_classification
datasets.make_regression
datasets.make_s_curve
datasets.make_sparse_coded_signal
datasets.make_sparse_spd_matrix
datasets.make_sparse_uncorrelated
datasets.make_spd_matrix
datasets.make_swiss_roll
```

:mod: `sklearn.decomposition`: Matrix Decomposition

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 298); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 301)

Unknown directive type "automodule".

```
.. automodule:: sklearn.decomposition
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref: `decompositions`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 305); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 307)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 309)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   decomposition.DictionaryLearning
   decomposition.FactorAnalysis
   decomposition.FastICA
   decomposition.IncrementalPCA
   decomposition.KernelPCA
   decomposition.LatentDirichletAllocation
   decomposition.MinibatchDictionaryLearning
   decomposition.MinibatchSparsePCA
   decomposition.NMF
   decomposition.PCA
   decomposition.SparsePCA
   decomposition.SparseCoder
   decomposition.TruncatedSVD
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 327)

Unknown directive type "autosummary".

```
.. autosummary::  
    :toctree: generated/  
    :template: function.rst  
  
    decomposition.dict_learning  
    decomposition.dict_learning_online  
    decomposition.fastica  
    decomposition.non_negative_factorization  
    decomposition.sparse_encode
```

:mod:`sklearn.discriminant_analysis`: Discriminant Analysis

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 339); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 342)

Unknown directive type "automodule".

```
.. automodule:: sklearn.discriminant_analysis  
    :no-members:  
    :no-inherited-members:
```

User guide: See the [ref:`lda_qda`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 346); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 348)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 350)

Unknown directive type "autosummary".

```
.. autosummary::  
    :toctree: generated  
    :template: class.rst  
  
    discriminant_analysis.LinearDiscriminantAnalysis  
    discriminant_analysis.QuadraticDiscriminantAnalysis
```

:mod:`sklearn.dummy`: Dummy estimators

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 359); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 362)

Unknown directive type "automodule".

```
.. automodule:: sklearn.dummy
```

```
:no-members:
:no-inherited-members:
```

User guide: See the `ref: model_evaluation` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 366); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 368)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 370)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst
```

```
dummy.DummyClassifier
dummy.DummyRegressor
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 377)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst
```

`:mod: sklearn.ensemble`: Ensemble Methods

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 383); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 386)

Unknown directive type "automodule".

```
.. automodule:: sklearn.ensemble
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref: ensemble` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 390); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 392)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 394)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   ensemble.AdaBoostClassifier
   ensemble.AdaBoostRegressor
   ensemble.BaggingClassifier
   ensemble.BaggingRegressor
   ensemble.ExtraTreesClassifier
   ensemble.ExtraTreesRegressor
   ensemble.GradientBoostingClassifier
   ensemble.GradientBoostingRegressor
   ensemble.IsolationForest
   ensemble.RandomForestClassifier
   ensemble.RandomForestRegressor
   ensemble.RandomTreesEmbedding
   ensemble.StackingClassifier
   ensemble.StackingRegressor
   ensemble.VotingClassifier
   ensemble.VotingRegressor
   ensemble.HistGradientBoostingRegressor
   ensemble.HistGradientBoostingClassifier
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 418)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst
```

:mod:`sklearn.exceptions`: Exceptions and warnings

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 425); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 428)

Unknown directive type "automodule".

```
.. automodule:: sklearn.exceptions
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 432)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 434)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   exceptions.ConvergenceWarning
   exceptions.DataConversionWarning
   exceptions.DataDimensionalityWarning
   exceptions.EfficiencyWarning
   exceptions.FitFailedWarning
   exceptions.NotFittedError
   exceptions.UndefinedMetricWarning
```

:mod:`sklearn.experimental`: Experimental

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 447); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 450)

Unknown directive type "automodule".

```
.. automodule:: sklearn.experimental
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 454)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 456)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/

   experimental.enable_hist_gradient_boosting
   experimental.enable_iterative_imputer
   experimental.enable_halving_search_cv
```

:mod:`sklearn.feature_extraction`: Feature Extraction

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 466); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 469)

Unknown directive type "automodule".

```
.. automodule:: sklearn.feature_extraction
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`feature_extraction`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 473); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 475)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 477)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   feature_extraction.DictVectorizer
   feature_extraction.FeatureHasher
```

From images

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 487)

Unknown directive type "automodule".

```
.. automodule:: sklearn.feature_extraction.image
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 491)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 493)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   feature_extraction.image.extract_patches_2d
   feature_extraction.image.grid_to_graph
   feature_extraction.image.img_to_graph
   feature_extraction.image.reconstruct_from_patches_2d

   :template: class.rst

   feature_extraction.image.PatchExtractor
```

From text

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 511)

Unknown directive type "automodule".

```
.. automodule:: sklearn.feature_extraction.text
```

```
:no-members:
:no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 515)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 517)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   feature_extraction.text.CountVectorizer
   feature_extraction.text.HashingVectorizer
   feature_extraction.text.TfidfTransformer
   feature_extraction.text.TfidfVectorizer
```

:mod:`sklearn.feature_selection`: Feature Selection

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 529); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 532)

Unknown directive type "automodule".

```
.. automodule:: sklearn.feature_selection
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`feature_selection`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 536); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 538)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 540)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   feature_selection.GenericUnivariateSelect
   feature_selection.SelectPercentile
   feature_selection.SelectKBest
```

```
feature_selection.SelectFpr
feature_selection.SelectFdr
feature_selection.SelectFromModel
feature_selection.SelectFwe
feature_selection.SequentialFeatureSelector
feature_selection.RFE
feature_selection.RFECV
feature_selection.VarianceThreshold
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 556)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   feature_selection.chi2
   feature_selection.f_classif
   feature_selection.f_regression
   feature_selection.r_regression
   feature_selection.mutual_info_classif
   feature_selection.mutual_info_regression
```

:mod:`sklearn.gaussian_process`: Gaussian Processes

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 570); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 573)

Unknown directive type "automodule".

```
.. automodule:: sklearn.gaussian_process
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:`gaussian_process`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 577); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 579)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 581)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   gaussian_process.GaussianProcessClassifier
   gaussian_process.GaussianProcessRegressor
```

Kernels:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 590)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: class_with_call.rst

  gaussian_process.kernels.CompoundKernel
  gaussian_process.kernels.ConstantKernel
  gaussian_process.kernels.DotProduct
  gaussian_process.kernels.ExpSineSquared
  gaussian_process.kernels.Exponentiation
  gaussian_process.kernels.Hyperparameter
  gaussian_process.kernels.Kernel
  gaussian_process.kernels.Matern
  gaussian_process.kernels.PairwiseKernel
  gaussian_process.kernels.Product
  gaussian_process.kernels.RBF
  gaussian_process.kernels.RationalQuadratic
  gaussian_process.kernels.Sum
  gaussian_process.kernels.WhiteKernel
```

:mod:`sklearn.impute`: Impute

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 612); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 615)

Unknown directive type "automodule".

```
.. automodule:: sklearn.impute
  :no-members:
  :no-inherited-members:
```

User guide: See the [:ref:`Impute`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 619); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 621)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 623)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: class.rst

  impute.SimpleImputer
  impute.IterativeImputer
  impute.MissingIndicator
  impute.KNNImputer
```


:mod:`sklearn.inspection`: Inspection

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 635); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 638)

Unknown directive type "automodule".

```
.. automodule:: sklearn.inspection
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 642)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 644)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   inspection.partial_dependence
   inspection.permutation_importance
```

Plotting

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 654)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 656)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   inspection.DecisionBoundaryDisplay
   inspection.PartialDependenceDisplay
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 663)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst
```

inspection.plot_partial_dependence

:mod:`sklearn.isotonic`: Isotonic regression

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 671); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 674)

Unknown directive type "automodule".

```
.. automodule:: sklearn.isotonic
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:'isotonic'](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 678); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 680)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 682)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   isotonic.IsotonicRegression
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 688)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: function.rst

   isotonic.check_increasing
   isotonic.isotonic_regression
```

:mod:`sklearn.kernel_approximation`: Kernel Approximation

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 698); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-

learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 701)

Unknown directive type "automodule".

```
.. automodule:: sklearn.kernel_approximation
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:'kernel_approximation'](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 705); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 707)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 709)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   kernel_approximation.AdditiveChi2Sampler
   kernel_approximation.Nystroem
   kernel_approximation.PolynomialCountSketch
   kernel_approximation.RBFSampler
   kernel_approximation.SkewedChi2Sampler
```

:mod:'sklearn.kernel_ridge': Kernel Ridge Regression

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 721); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 724)

Unknown directive type "automodule".

```
.. automodule:: sklearn.kernel_ridge
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:'kernel_ridge'](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 728); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 730)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 732)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   kernel_ridge.KernelRidge
```

:mod:`sklearn.linear_model`: Linear Models

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 740); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 743)

Unknown directive type "automodule".

```
.. automodule:: sklearn.linear_model
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:`linear_model`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 747); [backlink](#)

Unknown interpreted text role "ref".

The following subsections are only rough guidelines: the same estimator can fall into multiple categories, depending on its parameters.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 752)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

Linear classifiers

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 756)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.LogisticRegression
   linear_model.LogisticRegressionCV
   linear_model.PassiveAggressiveClassifier
   linear_model.Perceptron
   linear_model.RidgeClassifier
   linear_model.RidgeClassifierCV
   linear_model.SGDClassifier
   linear_model.SGDOneClassSVM
```

Classical linear regressors

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 772)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.LinearRegression
   linear_model.Ridge
   linear_model.RidgeCV
   linear_model.SGDRegressor
```

Regressors with variable selection

The following estimators have built-in variable selection fitting procedures, but any estimator using a L1 or elastic-net penalty also performs variable selection: typically `:class:`~linear_model.SGDRegressor`` or `:class:`~sklearn.linear_model.SGDClassifier`` with an appropriate penalty.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 784); [backlink](#)

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 784); [backlink](#)

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 789)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.ElasticNet
   linear_model.ElasticNetCV
   linear_model.Lars
   linear_model.LarsCV
   linear_model.Lasso
   linear_model.LassoCV
   linear_model.LassoLars
   linear_model.LassoLarsCV
   linear_model.LassoLarsIC
   linear_model.OrthogonalMatchingPursuit
   linear_model.OrthogonalMatchingPursuitCV
```

Bayesian regressors

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 808)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.ARRegression
   linear_model.BayesianRidge
```

Multi-task linear regressors with variable selection

These estimators fit multiple regression problems (or tasks) jointly, while inducing sparse coefficients. While the inferred coefficients may differ between the tasks, they are constrained to agree on the features that are selected (non-zero coefficients).

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 823)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.MultiTaskElasticNet
   linear_model.MultiTaskElasticNetCV
   linear_model.MultiTaskLasso
   linear_model.MultiTaskLassoCV
```

Outlier-robust regressors

Any estimator using the Huber loss would also be robust to outliers, e.g. `class:~linear_model.SGDRegressor` with `loss='huber'`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 835); [backlink](#)

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 838)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.HuberRegressor
   linear_model.QuantileRegressor
   linear_model.RANSACRegressor
   linear_model.TheilSenRegressor
```

Generalized linear models (GLM) for regression

These models allow for response variables to have error distributions other than a normal distribution:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 853)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   linear_model.PoissonRegressor
   linear_model.TweedieRegressor
   linear_model.GammaRegressor
```

Miscellaneous

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 865)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   linear_model.PassiveAggressiveRegressor
   linear_model.enet_path
   linear_model.lars_path
   linear_model.lars_path_gram
   linear_model.lasso_path
   linear_model.orthogonal_mp
   linear_model.orthogonal_mp_gram
   linear_model.ridge_regression
```

:mod:`sklearn.manifold`: Manifold Learning

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 881); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 884)

Unknown directive type "automodule".

```
.. automodule:: sklearn.manifold
   :no-members:
   :no-inherited-members:
```

User guide: See the :ref:`manifold` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 888); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 890)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 892)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: class.rst

   manifold.Isomap
   manifold.LocallyLinearEmbedding
   manifold.MDS
   manifold.SpectralEmbedding
   manifold.TSNE
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 902)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: function.rst

   manifold.locally_linear_embedding
   manifold.smocof
   manifold.spectral_embedding
   manifold.trustworthiness
```

:mod:`sklearn.metrics`: Metrics

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 914); [backlink](#)

Unknown interpreted text role "mod".

See the [ref: model_evaluation](#) section and the [ref: metrics](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 917); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 917); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 920)

Unknown directive type "automodule".

```
.. automodule:: sklearn.metrics
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 924)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

Model Selection Interface

See the [ref: scoring_parameter](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 928); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 931)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   metrics.check_scoring
   metrics.get_scorer
   metrics.get_scorer_names
   metrics.make_scorer
```

Classification metrics

See the [ref: classification_metrics](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 943); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 946)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
```



```
:template: function.rst

metrics.accuracy_score
metrics.auc
metrics.average_precision_score
metrics.balanced_accuracy_score
metrics.brier_score_loss
metrics.classification_report
metrics.cohen_kappa_score
metrics.confusion_matrix
metrics.dcg_score
metrics.det_curve
metrics.f1_score
metrics.fbeta_score
metrics.hamming_loss
metrics.hinge_loss
metrics.jaccard_score
metrics.log_loss
metrics.matthews_corrcoef
metrics.multilabel_confusion_matrix
metrics.ndcg_score
metrics.precision_recall_curve
metrics.precision_recall_fscore_support
metrics.precision_score
metrics.recall_score
metrics.roc_auc_score
metrics.roc_curve
metrics.top_k_accuracy_score
metrics.zero_one_loss
```

Regression metrics

See the [ref: regression_metrics](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 981); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 984)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

metrics.explained_variance_score
metrics.max_error
metrics.mean_absolute_error
metrics.mean_squared_error
metrics.mean_squared_log_error
metrics.median_absolute_error
metrics.mean_absolute_percentage_error
metrics.r2_score
metrics.mean_poisson_deviance
metrics.mean_gamma_deviance
metrics.mean_tweedie_deviance
metrics.d2_tweedie_score
metrics.mean_pinball_loss
```

Multilabel ranking metrics

See the [ref: multilabel_ranking_metrics](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1004); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1007)

Unknown directive type "autosummary".

```
.. autosummary::  
    :toctree: generated/  
    :template: function.rst  
  
    metrics.coverage_error  
    metrics.label_ranking_average_precision_score  
    metrics.label_ranking_loss
```

Clustering metrics

See the [ref:'clustering_evaluation'](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1019); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1022)

Unknown directive type "automodule".

```
.. automodule:: sklearn.metrics.cluster  
    :no-members:  
    :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1026)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1028)

Unknown directive type "autosummary".

```
.. autosummary::  
    :toctree: generated/  
    :template: function.rst  
  
    metrics.adjusted_mutual_info_score  
    metrics.adjusted_rand_score  
    metrics.calinski_harabasz_score  
    metrics.davies_bouldin_score  
    metrics.completeness_score  
    metrics.cluster.contingency_matrix  
    metrics.cluster.pair_confusion_matrix  
    metrics.fowlkes_mallows_score  
    metrics.homogeneity_completeness_v_measure  
    metrics.homogeneity_score  
    metrics.mutual_info_score  
    metrics.normalized_mutual_info_score  
    metrics.rand_score  
    metrics.silhouette_score  
    metrics.silhouette_samples  
    metrics.v_measure_score
```

Biclustering metrics

See the [ref:'biclustering_evaluation'](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1052); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1055)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1057)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   metrics.consensus_score
```

Distance metrics

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1066)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1068)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   metrics.DistanceMetric
```

Pairwise metrics

See the [ref:metrics](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1077); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1079)

Unknown directive type "automodule".

```
.. automodule:: sklearn.metrics.pairwise
   :no-members:
   :no-inherited-members:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1083)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1085)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: function.rst

  metrics.pairwise.additive_chi2_kernel
  metrics.pairwise.chi2_kernel
  metrics.pairwise.cosine_similarity
  metrics.pairwise.cosine_distances
  metrics.pairwise.distance_metrics
  metrics.pairwise.euclidean_distances
  metrics.pairwise.haversine_distances
  metrics.pairwise.kernel_metrics
  metrics.pairwise.laplacian_kernel
  metrics.pairwise.linear_kernel
  metrics.pairwise.manhattan_distances
  metrics.pairwise.nan_euclidean_distances
  metrics.pairwise.pairwise_kernels
  metrics.pairwise.polynomial_kernel
  metrics.pairwise.rbf_kernel
  metrics.pairwise.sigmoid_kernel
  metrics.pairwise.paired_euclidean_distances
  metrics.pairwise.paired_manhattan_distances
  metrics.pairwise.paired_cosine_distances
  metrics.pairwise.paired_distances
  metrics.pairwise_distances
  metrics.pairwise_distances_argmin
  metrics.pairwise_distances_argmin_min
  metrics.pairwise_distances_chunked
```

Plotting

See the [ref: 'visualizations'](#) section of the user guide for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1118); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1120)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1122)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: function.rst

  metrics.plot_confusion_matrix
  metrics.plot_det_curve
  metrics.plot_precision_recall_curve
  metrics.plot_roc_curve
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1131)

Unknown directive type "autosummary".

```
.. autosummary::
  :toctree: generated/
  :template: class.rst

  metrics.ConfusionMatrixDisplay
  metrics.DetCurveDisplay
```

```
metrics.PrecisionRecallDisplay
metrics.RocCurveDisplay
calibration.CalibrationDisplay
```

:mod:`sklearn.mixture`: Gaussian Mixture Models

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1143); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1146)

Unknown directive type "automodule".

```
.. automodule:: sklearn.mixture
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:`mixture`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1150); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1152)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1154)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   mixture.BayesianGaussianMixture
   mixture.GaussianMixture
```

:mod:`sklearn.model_selection`: Model Selection

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1163); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1166)

Unknown directive type "automodule".

```
.. automodule:: sklearn.model_selection
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:`cross_validation`](#), [ref:`grid_search`](#) and [ref:`learning_curve`](#) sections for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1170); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1170); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1170); [backlink](#)

Unknown interpreted text role "ref".

Splitter Classes

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1176)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1178)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   model_selection.GroupKFold
   model_selection.GroupShuffleSplit
   model_selection.KFold
   model_selection.LeaveOneGroupOut
   model_selection.LeavePGroupsOut
   model_selection.LeaveOneOut
   model_selection.LeavePOut
   model_selection.PredefinedSplit
   model_selection.RepeatedKFold
   model_selection.RepeatedStratifiedKFold
   model_selection.ShuffleSplit
   model_selection.StratifiedKFold
   model_selection.StratifiedShuffleSplit
   model_selection.StratifiedGroupKFold
   model_selection.TimeSeriesSplit
```

Splitter Functions

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1201)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1203)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   model_selection.check_cv
   model_selection.train_test_split
```

Hyper-parameter optimizers

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1215)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1217)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   model_selection.GridSearchCV
   model_selection.HalvingGridSearchCV
   model_selection.ParameterGrid
   model_selection.ParameterSampler
   model_selection.RandomizedSearchCV
   model_selection.HalvingRandomSearchCV
```

Model validation

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1232)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1234)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   model_selection.cross_validate
   model_selection.cross_val_predict
   model_selection.cross_val_score
   model_selection.learning_curve
   model_selection.permutation_test_score
   model_selection.validation_curve
```

:mod:`sklearn.multiclass`: Multiclass classification

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1247); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1250)

Unknown directive type "automodule".

```
.. automodule:: sklearn.multiclass
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref:multiclass_classification` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1254); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1256)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1258)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: class.rst

   multiclass.OneVsRestClassifier
   multiclass.OneVsOneClassifier
   multiclass.OutputCodeClassifier
```

:mod:`sklearn.multioutput`: Multioutput regression and classification

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1268); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1271)

Unknown directive type "automodule".

```
.. automodule:: sklearn.multioutput
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref:multilabel_classification`, `ref:multiclass_multioutput_classification`, and `ref:multioutput_regression` sections for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1275); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1275); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1275); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1279)

Unknown directive type "currentmodule".


```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1281)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated
   :template: class.rst

   multioutput.ClassifierChain
   multioutput.MultiOutputRegressor
   multioutput.MultiOutputClassifier
   multioutput.RegressorChain
```

:mod:`sklearn.naive_bayes`: Naive Bayes

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1292); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1295)

Unknown directive type "automodule".

```
.. automodule:: sklearn.naive_bayes
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref`naive_bayes`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1299); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1301)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1303)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   naive_bayes.BernoulliNB
   naive_bayes.CategoricalNB
   naive_bayes.ComplementNB
   naive_bayes.GaussianNB
   naive_bayes.MultinomialNB
```

:mod:`sklearn.neighbors`: Nearest Neighbors

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1316); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1319)

Unknown directive type "automodule".

```
.. automodule:: sklearn.neighbors
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref`neighbors`` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1323); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1325)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1327)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   neighbors.BallTree
   neighbors.KDTree
   neighbors.KernelDensity
   neighbors.KNeighborsClassifier
   neighbors.KNeighborsRegressor
   neighbors.KNeighborsTransformer
   neighbors.LocalOutlierFactor
   neighbors.RadiusNeighborsClassifier
   neighbors.RadiusNeighborsRegressor
   neighbors.RadiusNeighborsTransformer
   neighbors.NearestCentroid
   neighbors.NearestNeighbors
   neighbors.NeighborhoodComponentsAnalysis
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1345)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   neighbors.kneighbors_graph
   neighbors.radius_neighbors_graph
```

`:mod:`sklearn.neural_network``: Neural network models

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1354); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-

learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1357)

Unknown directive type "automodule".

```
.. automodule:: sklearn.neural_network
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref`neural_networks_supervised`` and `ref`neural_networks_unsupervised`` sections for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1361); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1361); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1363)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1365)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   neural_network.BernoulliRBM
   neural_network.MLPClassifier
   neural_network.MLPRegressor
```

:mod:`sklearn.pipeline`: Pipeline

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1375); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1378)

Unknown directive type "automodule".

```
.. automodule:: sklearn.pipeline
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref`combining_estimators`` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1382); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1385)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1387)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   pipeline.FeatureUnion
   pipeline.Pipeline
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1394)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   pipeline.make_pipeline
   pipeline.make_union
```

:mod:`sklearn.preprocessing`: Preprocessing and Normalization

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1403); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1406)

Unknown directive type "automodule".

```
.. automodule:: sklearn.preprocessing
   :no-members:
   :no-inherited-members:
```

User guide: See the :ref:`preprocessing` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1410); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1412)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1414)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst
```

```
preprocessing.Binarizer
preprocessing.FunctionTransformer
preprocessing.KBinsDiscretizer
preprocessing.KernelCenterer
preprocessing.LabelBinarizer
preprocessing.LabelEncoder
preprocessing.MultiLabelBinarizer
preprocessing.MaxAbsScaler
preprocessing.MinMaxScaler
preprocessing.Normalizer
preprocessing.OneHotEncoder
preprocessing.OrdinalEncoder
preprocessing.PolynomialFeatures
preprocessing.PowerTransformer
preprocessing.QuantileTransformer
preprocessing.RobustScaler
preprocessing.SplineTransformer
preprocessing.StandardScaler
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1437)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   preprocessing.add_dummy_feature
   preprocessing.binarize
   preprocessing.label_binarize
   preprocessing.maxabs_scale
   preprocessing.minmax_scale
   preprocessing.normalize
   preprocessing.quantile_transform
   preprocessing.robust_scale
   preprocessing.scale
   preprocessing.power_transform
```

:mod:`sklearn.random_projection`: Random projection

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1455); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1458)

Unknown directive type "automodule".

```
.. automodule:: sklearn.random_projection
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`random_projection`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1462); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1464)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1466)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   random_projection.GaussianRandomProjection
   random_projection.SparseRandomProjection
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1473)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   random_projection.johnson_lindenstrauss_min_dim
```

:mod:`sklearn.semi_supervised`: Semi-Supervised Learning

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1482); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1485)

Unknown directive type "automodule".

```
.. automodule:: sklearn.semi_supervised
   :no-members:
   :no-inherited-members:
```

User guide: See the [:ref:`semi_supervised`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1489); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1491)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1493)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   semi_supervised.LabelPropagation
   semi_supervised.LabelSpreading
   semi_supervised.SelfTrainingClassifier
```

:mod:`sklearn.svm`: Support Vector Machines

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1504); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1507)

Unknown directive type "automodule".

```
.. automodule:: sklearn.svm
   :no-members:
   :no-inherited-members:
```

User guide: See the [ref:`svm`](#) section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1511); [backlink](#)

Unknown interpreted text role "ref".

Estimators

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1516)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1518)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   svm.LinearSVC
   svm.LinearSVR
   svm.NuSVC
   svm.NuSVR
   svm.OneClassSVM
   svm.SVC
   svm.SVR
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1530)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   svm.ll_min_c
```

:mod:`sklearn.tree`: Decision Trees

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1538); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1541)

Unknown directive type "automodule".

```
.. automodule:: sklearn.tree
   :no-members:
   :no-inherited-members:
```

User guide: See the `ref`tree`` section for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1545); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1547)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1549)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst

   tree.DecisionTreeClassifier
   tree.DecisionTreeRegressor
   tree.ExtraTreeClassifier
   tree.ExtraTreeRegressor
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1558)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   tree.export_graphviz
   tree.export_text
```

Plotting

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1568)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1570)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   tree.plot_tree
```


:mod:`sklearn.utils`: Utilities

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1578); [backlink](#)

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1581)

Unknown directive type "automodule".

```
.. automodule:: sklearn.utils
   :no-members:
   :no-inherited-members:
```

Developer guide: See the [ref:`developers-utils`](#) page for further details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1585); [backlink](#)

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1587)

Unknown directive type "currentmodule".

```
.. currentmodule:: sklearn
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1589)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: class.rst
```

```
utils.Bunch
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules] classes.rst, line 1595)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

utils.arrayfuncs.min_pos
utils.as_float_array
utils.assert_all_finite
utils.check_X_y
utils.check_array
utils.check_scalar
utils.check_consistent_length
utils.check_random_state
utils.class_weight.compute_class_weight
utils.class_weight.compute_sample_weight
utils.deprecated
utils.estimator_checks.check_estimator
utils.estimator_checks.parametrize_with_checks
utils.estimator_html_repr
utils.extmath.safe_sparse_dot
utils.extmath.randomized_range_finder
utils.extmath.randomized_svd
utils.extmath.fast_logdet
utils.extmath.density
```

```
utils.extmath.weighted_mode
utils.gen_batches
utils.gen_even_slices
utils.graph.single_source_shortest_path_length
utils.indexable
utils.metaestimators.available_if
utils.multiclass.type_of_target
utils.multiclass.is_multilabel
utils.multiclass.unique_labels
utils.murmurhash3_32
utils.resample
utils._safe_indexing
utils.safe_mask
utils.safe_sqr
utils.shuffle
utils.sparsefuncs.incr_mean_variance_axis
utils.sparsefuncs.inplace_column_scale
utils.sparsefuncs.inplace_row_scale
utils.sparsefuncs.inplace_swap_row
utils.sparsefuncs.inplace_swap_column
utils.sparsefuncs.mean_variance_axis
utils.sparsefuncs.inplace_csr_column_scale
utils.sparsefuncs_fast.inplace_csr_row_normalize_l1
utils.sparsefuncs_fast.inplace_csr_row_normalize_l2
utils.random.sample_without_replacement
utils.validation.check_is_fitted
utils.validation.check_memory
utils.validation.check_symmetric
utils.validation.column_or_1d
utils.validation.has_fit_parameter
utils.all_estimators
```

Utilities from joblib:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1652)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   utils.parallel_backend
   utils.register_parallel_backend
```

Recently deprecated

To be removed in 1.3

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scikit-learn-main\doc\modules\[scikit-learn-main] [doc] [modules]classes.rst, line 1666)

Unknown directive type "autosummary".

```
.. autosummary::
   :toctree: generated/
   :template: function.rst

   utils.metaestimators.if_delegate_has_method
```