

model_selection

train_test_split
permutation_test_score
cross_val_score
cross_validate
cross_val_predict
validation_curve
learning_curve
ShuffleSplit
StratifiedShuffleSplit
KFold
RepeatedKFold
GridSearchCV
RandomizedSearchCV

*How to use: `from sklearn.dummy import DummyRegressor`

preprocessing

add_dummy_feature
OrdinalEncoder
OneHotEncoder
StandardScaler
MinMaxScaler
MaxAbsScaler
LabelEncoder
LabelBinarizer
MultiLabelBinarizer
PolynomialFeatures
FunctionTransformer
KBinsDiscretizer

compose

ColumnTransformer
TransformedTargetRegressor

ensemble

RandomForestRegressor

decomposition

PCA

pipeline

Pipeline
FeatureUnion

svm

SVC

tree

DecisionTreeRegressor



base

BaseEstimator
TransformerMixin

impute

SimpleImputer
KNNImputer

feature_extraction

DictVectorizer

linear_model

LinearRegression
SGDRegressor
LogisticRegression
Ridge
RidgeCV
Lasso
LassoCV

datasets

load_iris
fetch_california_housing
make_blobs
make_regression
make_classification
make_multilabel_classification
fetch_openml

dummy

DummyRegressor

metrics

mean_squared_error
mean_absolute_error
mean_absolute_percentage_error
explained_variance_score
max_error
r2_score

feature_selection

VarianceThreshold
SelectKBest
SelectPercentile
GenericUnivariateSelect
mutual_info_regression
mutual_info_classif
f_regression
f_classif
chi2
RFE
RFECV
SelectFromModel
SequentialFeatureSelector