

Model	Classification	Regression	Both	Code Example
Linear Regression	✗	✓	✗	<pre>from sklearn.linear_model import LinearRegression model = LinearRegression()</pre>
Ridge Regression	✗	✓	✗	<pre>from sklearn.linear_model import Ridge model = Ridge()</pre>
Lasso Regression	✗	✓	✗	<pre>from sklearn.linear_model import Lasso model = Lasso()</pre>
Elastic Net Regression	✗	✓	✗	<pre>from sklearn.linear_model import ElasticNet model = ElasticNet()</pre>
Logistic Regression	✓	✗	✗	<pre>from sklearn.linear_model import LogisticRegression model = LogisticRegression()</pre>
k-Nearest Neighbors (k-NN)	✓	✓	✗	<pre>from sklearn.neighbors import KNeighborsClassifier, KNeighborsRegressor model = KNeighborsClassifier() (classification) model = KNeighborsRegressor() (regression)</pre>
Naive Bayes	✓	✗	✗	<pre>from sklearn.naive_bayes import GaussianNB model = GaussianNB()</pre>
Decision Tree	✓	✓	✗	<pre>from sklearn.tree import DecisionTreeClassifier, DecisionTreeRegressor model = DecisionTreeClassifier() (classification) model = DecisionTreeRegressor() (regression)</pre>
Random Forest	✓	✓	✗	<pre>from sklearn.ensemble import RandomForestClassifier, RandomForestRegressor model = RandomForestClassifier() (classification) model = RandomForestRegressor() (regression)</pre>

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Support Vector Machines (SVM)	✓	✓	✗	<pre>from sklearn.svm import SVC, SVR model = SVC() (classification) model = SVR() (regression)</pre>
K-Means Clustering	✗	✗	✓	<pre>from sklearn.cluster import KMeans model = KMeans()</pre>
Principal Component Analysis (PCA)	✗	✗	✓	<pre>from sklearn.decomposition import PCA model = PCA()</pre>