Lesson 03

CSC357 Machine Learning

14 January 2020

Software documentation

BaseEstimator sklearn.base.BaseEstimator

ColumnTransformer sklearn.compose.ColumnTransformer

cross_val_score sklearn.model_selection.cross_val_score

DecisionTreeRegressor sklearn.tree.DecisionTreeRegressor

FeatureUnion sklearn.pipeline.FeatureUnion

GridSearchCV sklearn.model_selection.GridSearchCV

LinearRegression sklearn.linear_model.LinearRegression

mean_absolute_error sklearn.metrics.mean_absolute_error

mean_squared_error sklearn.metrics.mean_squared_error

OneHotEncoder sklearn.preprocessing.OneHotEncoder

OrdinalEncoder sklearn.preprocessing.OrdinalEncoder

Pipeline sklearn.pipeline.Pipeline

RandomForestRegressor sklearn.ensemble.RandomForestRegressor

RandomizedSearchCV sklearn.model_selection.RandomizedSearchCV

SimpleImputer sklearn.impute.SimpleImputer

StandardScaler sklearn.preprocessing.StandardScaler

StratifiedShuffleSplit sklearn.model_selection.StratifiedShuffleSplit

SVR sklearn.svm.SVR

train_test_split sklearn.model_selection.train_test_split

TransformerMixin sklearn.base.TransformerMixin

Articles about regression algorithms

- Linear regression (method of least squares)
- Decision tree regressors
- ID3 algorithm (for decision tree regressors)
- Random forest regression