linearsvr-rsmtool

February 11, 2020

In [1]: import pandas as pd from skll import Learner from skll.data import FeatureSet In [2]: df = pd.read_csv('/tmp/xxx/output/LinearSVR_train_preprocessed_features.csv', index col='spkitemid') fs = FeatureSet.from_data_frame(df, 'train', labels_column='sc1') In [29]: 11 = Learner('LinearSVR') _ = l1.train(fs, grid_objective='pearson', grid_jobs=1) Training data will be shuffled to randomize grid search folds. Shuffling may yield different results compared to scikit-learn. /Users/nmadnani/anaconda/envs/sklldev/lib/python3.7/sitepackages/sklearn/svm/base.py:929: ConvergenceWarning: Liblinear failed to converge, increase the number of iterations. "the number of iterations.", ConvergenceWarning) In [30]: 12 = Learner('LinearSVR', model_kwargs={'max_iter': 5000}) _ = 12.train(fs, grid_objective='pearson', grid_jobs=1) Training data will be shuffled to randomize grid search folds. Shuffling may yield different results compared to scikit-learn. /Users/nmadnani/anaconda/envs/sklldev/lib/python3.7/sitepackages/sklearn/svm/base.py:929: ConvergenceWarning: Liblinear failed to converge, increase the number of iterations. "the number of iterations.", ConvergenceWarning) In [31]: 13 = Learner('LinearSVR', model_kwargs={'tol': 0.01}) _ = 13.train(fs, grid_objective='pearson', grid_jobs=1) Training data will be shuffled to randomize grid search folds. Shuffling may yield different results compared to scikit-learn. /Users/nmadnani/anaconda/envs/sklldev/lib/python3.7/sitepackages/sklearn/svm/base.py:929: ConvergenceWarning: Liblinear failed to converge, increase the number of iterations. "the number of iterations.", ConvergenceWarning) In [32]: 14 = Learner('LinearSVR', model_kwargs={'tol': 0.01, 'max_iter': 10000}) _ = l4.train(fs, grid_objective='pearson', grid_jobs=1)

Training data will be shuffled to randomize grid search folds. Shuffling may yield different results compared to scikit-learn. /Users/nmadnani/anaconda/envs/sklldev/lib/python3.7/sitepackages/sklearn/svm/base.py:929: ConvergenceWarning: Liblinear failed to converge, increase the number of iterations.

"the number of iterations.", ConvergenceWarning)

Training data will be shuffled to randomize grid search folds. Shuffling may yield different results compared to scikit-learn.