PYTHON FOR DATA SCIENCE CHEAT SHEET

Scikit-learn is an open source Pythor



>>> from sklearn import neighbors, datasets, preprocessing >>> from sklearn.metrics import accuracy_sour

>>> X train, X test, y train, y test- train test split (X, y, random state-(X))

>>> X_test = scaler.transform(X_test)
>>> knn = neighbors.KNeighborsClassifier(n neighborsch)

Your data needs to be numeric and stored as NumPy arrays or SciPy sparse matrices. Other types that are convertible to numeric arrays, such as Pandas DataFrame

>>> X = np. random. random((16.51)



200 h means fit [E train]

202 v used a syn predict (se, randon, randon) (2.51)

Estimate probability Predict labels in

Learn Python for Data Science at www.edureka.co

>>> accuracy_score(y_test, y_pred)

Metric sooring

>>> from sklearn.metrics import classification report. >>> print(classification_report(y_test, y_greed))

>>> from sklearn.metrics import mean absolute error >>> mean_absolute_error(y_true, y_pred)

200 from shiparn matrice insert man amazed arror >>> from sklearn.metrics import r2 score

>>> from shiearn metrics import adjusted rand score >>> from sklearn metrics import homogeneity score

>>> from shlearn metrics import v measure score

Adjusted Rand Index >>> from shiesen.cross_validation import cross_val_score >>> bron ableau trong value (km, K_train, y_train, cv=4))

>>> from sklearn grid search import RandominedSearch(V >>> parama = ('n reighbors': renge(i,5), "weights': ['uniform', 'distance']] >>> reearch = RandomizedDearchCVjestimator=knn

>>> from sklears preprocessing import Binarines

300 from shimars cluster import Blease >>> k means = EMeans in clasters=1, random state=0;

Principal Component Analysis (PCA)

>>> from skimars decomposition import PCE

NO from sklears.linear model import LinearDegrassion

>>> kmm = maighbors. Weighbors(lessifier in neighbors=5)

>>> from ableaus naive bayes import decesion@

>>> from sklears ove import 500

>>> qub = GweenianNii| 202 from ableaux lesses reinfibure

#Fit the model to the data 200 has fit (5 train, y train

>>> pca_model = pca.fit_transferm(X_train

NY y gred - k meson gredict (K test)

>>> from sklearn.preprocessing import LabelEncodes

>>> imp.fit transferm(X train)

>>> from sklears.preprocessing import PolynomialFeatures