Aula M3A44 CLASSIFICACAO IV

Leitura complementar:

- Support Vector Machines Applied to Face Recognition
- Building a Facial Recognition Model using PCA & SVM Algorithms
- Support Vector Machine — Introduction to Machine Learning Algorithms
- Labeled Faces in the Wild Home
- An Evaluation of Face Recognition By using Principal Component Analysis with Support Vector Machine
- Scikit-Learn
- Faces recognition example using eigenfaces and SVMs
- matplotlib.pyplot
- Numpy
- sklearn.datasets.fetch_lfw_people
- The Labeled Faces in the Wild face recognition dataset
- sklearn.utils.Bunch
- sklearn.utils: Utilities
- fetch_lfw_people
- matplotlib.pyplot.subplots
- enumerate()
- ndarray.flat
- matplotlib.pyplot.imshow
- fetch_lfw_people
- ndarray.flat
- matplotlib.pyplot.imshow
- A STEP-BY-STEP EXPLANATION OF PRINCIPAL COMPONENT ANALYSIS
- Principal component analysis: a review and recent developments
- An Evaluation of Face Recognition By using Principal Component Analysis with Support Vector Machine
- PCA using Python (scikit-learn)
- sklearn.svm.SVC
- `sklearn.decomposition.PCA`
- Machine Learning — Singular Value Decomposition (SVD) & Principal Component Analysis (PCA)
- A One-Stop Shop for Principal Component Analysis
- .fit()
- .transform()
- ndarray.shape
- sklearn.model_selection.cross_val_score
- sklearn.svm.SVC
- sklearn.model_selection.cross_val_score
- RBF SVM parameters
- sklearn.svm.SVC
- transform()
- predict()
- sklearn.metrics.accuracy_score
- sklearn.metrics.classification_report

- sklearn.metrics.classification_report
- sklearn.metrics.precision_recall_fscore_support()
- sklearn.metrics.recall_score
- sklearn.metrics.f1_score
- sklearn.metrics.confusion_matrix