UNIVERSIDADE CATÓLICA PORTUGUESA

BRAGA

Machine Learning

Session 15 - PL

Support Vector Machines – Part 2

Degree in Applied Data Science

2024/2025

Support Vector Machines in Scikit-Learn

- https://scikit-learn.org/stable/modules/generated/sklearn.svm.SVC.html

sklearn.svm.SVC

class sklearn.svm.**SVC**(*, *C=1.0*, *kernel='rbf'*, *degree=3*, *gamma='scale'*, *coef0=0.0*, *shrinking=True*, *probability=False*, *tol=0.001*, *cache_size=200*, *class_weight=None*, *verbose=False*, *max_iter=-1*, *decision_function_shape='ovr'*, *break_ties=False*, *random_state=None*) ¶ [source]

Exercises:

- Notebooks on the github repository:
  - Notebook with examples:
    - exercises/session15/examples.ipynb
  - Notebook with exercises:
    - exercises/session15/exercises.ipynb