Top Python Imports for Data Mining Practical

General & Data Handling

import numpy as np

import pandas as pd

Data Visualization

import matplotlib.pyplot as plt

import seaborn as sns

Machine Learning (scikit-learn)

from sklearn.model_selection import train_test_split

from sklearn.preprocessing import StandardScaler

from sklearn.metrics import accuracy_score, classification_report, confusion_matrix

Supervised Learning Models

from sklearn.naive_bayes import GaussianNB

from sklearn.neighbors import KNeighborsClassifier

from sklearn.tree import DecisionTreeClassifier

from sklearn.linear_model import LogisticRegression

Unsupervised Learning Models

from sklearn.cluster import KMeans

from sklearn.decomposition import PCA

Association Rule Mining (Apriori)

from mlxtend.frequent_patterns import apriori, association_rules

Decision Trees

from sklearn.tree import export_text, plot_tree

Misc Utilities

import collections

import warnings

warnings.filterwarnings('ignore')