In []: from sklearn import svm

from sklearn import metrics

from sklearn.svm import SVC

from matplotlib import cm

#import and look at dataset

import numpy as np
import pandas as pd
import seaborn as sns

import matplotlib.pyplot as plt

from sklearn.utils import resample

from sklearn.preprocessing import scale

from sklearn.decomposition import PCA

from sklearn.model_selection import GridSearchCV

from sklearn.metrics import ConfusionMatrixDisplay
from sklearn.model_selection import train_test_split

from sklearn.metrics import confusion_matrix