DWDM - Endsemester

U18CS162203T

1BBCS063

Sujan Gupta ha

1. use apple - and oranges.csv dataset

Import the dataset and divide the dataset in to training and testing dataset

Apply SVM classifier to build model using training data set.

Kernal Type = Radial bases function gamma = 0.8

Kernal Type = linear

. Predict class label for data items in test dataset.

. Print the confusion Matrix and calculate the accuracy of the predictions.

. Visualize the classifier results.

2. use . "iris.csv" dataset.

I. Import and visualize the dataset

1. visualizing the relationship between sepal width and target class.

2. visualizing the relationship between petal width and target classes

II. Apply SVM for prediction

1. Model given kernel SVM classifier using Iris Sepal features and visualizing the modeled SVM classifier with Iris Sepal features

Kernel Type = Radial basis function (RBF), Gamma = 0.5

Kernel Type = linear

Kernel Type = Polynomial, Degree = 3

2. Model given kernel SVM classifier using Iris Sepal features and visualizing the modeled SVM classifier with Iris Petal features.