SVM

Functions

Fit

In this function we build model using the cost function and the weight functions in the assignment by if the cost equation is greater than one we use the first equation for weight if it is less than one we use the second equation for weight

Predict

In this function we predict values of target using model has been built

Main

1. The data is divided into two parts 250 row to training and 53 row to test
2. Y is target
3. X in first was ['oldpeak','ca'] and learning rate is 0.001 then accuracy is 0.00
4. After that X was [‘exange’,’sex’] and learning rate is 0.001 then accuracy is 41,5
5. Now X is [‘exange’,’sex’] and learning rate is 0.01 then accuracy is 94.3