

## Homework 9

1. Use the fruit classification database and select width and height as features to classify orange vs non-orange fruits.
  - a. Use classifiers: Logistic Regression, Perceptron, LSVC and SVC with RBF kernel.
  - b. Plot decision boundary/regions for each classifier.
  - c. Obtain the confusion matrix and calculate the PRE, REC, and Accuracy for each classifier.
  - d. Compare and discuss the results (in a cell of Jupyter notebook).

Name your code as HW9\_ yourfirstname\_ yourlastname.ipynb and submit the code on ICON.