

Al-Imam Mohammad Ibn Saud Islamic University
College of Computer and Information Sciences
Computer Science Department

Course Title	Machine Learning
Course Code	CS364
Course Instructor	Prof. Hachemi BinNaceur and Dr. Wojdan BinSaeedan
Programming Assignment 1	
Groups	
Due date: 26/02/2022 at 11:59 PM	

Goal:

Implementing the decision trees for classifying heart disease.

Note:

You may refer to Kalgge site for more practices and examples

Description:

Write a program that uses the decision trees for classifying heart disease. It should use the heart dataset, which has been provided with this assignment, to train and test the model. It should deal with the overfitting issue. Moreover, the program has to visualise the decision tree and print the confusion matrix.

Submission:

Submit the code of the solution that runs on Jupyter Notebook.

Good luck!