

COMPUTING SUBJECT:	Methods on Iris Case
TYPE:	Mandatory project
IDENTIFICATION:	Mandatory No. 2
COPYRIGHT:	<i>Michael Claudius</i>
LEVEL:	Medium
TIME CONSUMPTION:	2-3 hours
EXTENT:	300 lines codes mainly auto-generated
OBJECTIVE:	Logical Regression OR Support Vector Machine
PRECONDITIONS:	
COMMANDS:	

MANDATORY PROJECT: IRIS CASE

The Mission

You are to gain knowledge on machine learning by training classification algorithms on a specific data set.

1. Theoretical part, explaining the concepts of the chosen method regression.
2. Practical part, training and evaluating the program on a specific data set

This can best be and must be done in small groups of 3-5 students.

Purpose

The purpose of this project is to explore Logical Regression OR Support Vector Machine

Useful links for ML

When surfing on the net it is easy to find many descriptions more or less useful, and in more or less updated versions. I have made a preliminary collection on the home page.

Hand in

It is important to understand both the theory –if stated-, and practical part therefore both parts are handed in as one .zip file later than 23.00 15th November 2020. For each group only one student need to upload groupwork. Remember to state the names of the group-members on the front page

Domain description

First you choose between:

A. Logical Regression (Easy)

[Logistic Regression Questions Chapter 4](#)

[Logistic Regression Iris Exercise](#)

[Logistic Regression Iris Program](#)

B. Support Vector Machine (Challenge as no lessons on this topic ☺)

[SVM Iris Exercise](#)

[SVM Iris Program](#)

Then you check up your (former) solution, use two to eight hours to adjust the text and then upload your document and code in a .zip file.