

CSc 59929

Assignments due March 17, 2020

- Compete the two programming exercises described in the following charts.
- Start looking for an interesting dataset for your project.

Programming Exercise A

- Apply the **Scikit Learn SVM Classifier** to the **Iris dataset** using all three categories and all four feature at once and upload your .ipynb file.
- Run the SVM model (at least) four times using a different kernel each time. Compare and discuss the results for each of the kernels.
- Name your file lastname_firstname_AS04A.ipynb.

Programming Exercise B

- Apply the **Scikit Learn Decision Tree Classifier** to the **Iris dataset** using all three categories and all four feature at once and upload your .ipynb file.
- See if your choice of impurity measure makes a difference in your results.
- Name your file lastname_firstname_AS04B.ipynb.

Programming Exercises (both A and B)

- Discuss your findings.
- Include all of your discussion in your .ipynb file and submit the file through Blackboard.
- Do not clear your results after you last run so that I will be able to see your results without rerunning your code.
- If you collaborate with anyone on this assignment, be sure to follow the collaboration guidelines in the syllabus.