

CDS 503: Machine Learning
Academic Session: Semester 2, 2022/2023

School of Computer Sciences, USM, Penang

LAB EXERCISE (LAB 5)

Lab 5 Exercise

By using the tae data (tae.csv), explore and answer the following:

- Experiment with the SVM algorithm introduced in this lab to predict the class of the tae data (tae.csv). Use default parameter configurations.
- Test SVM with other kernels and parameters and compare them with the default parameter given. How much do they differ?
- Compare your results with at least one more algorithm using the same tae data (tae.csv). Which algorithms perform better on the given data? You may use the ROC curve to make the comparison.

Post your solution on Lab 05 Submission on **ellearn@usm**. Make sure to include your name and lab# on the submission post.

Format: in .ipynb

The due date is **8 December 2022 5.00 pm**