**National Taiwan University Introduction to Machine Learning and Deep Learning**

Department of Civil Engineering Instructor: C.-S. CHEN

**Homework 3 Report**

**Essay and Programming, Due 21:00, Wednesday, October 23, 2024**

**Student ID: R11234567**

**Name: xxx**

**1. compute with 9, 25, 101 binary classifiers plot the relationship of vs. .**

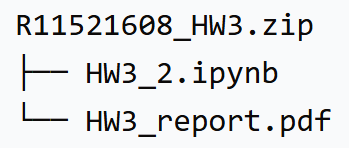
**2. Plot the splitting result and write** **a short essay explaining the contents of the figure**

**3. Use AdaBoost and follow what we have covered in the toy example to compute ,**  **and the updated weights. Finally, find the combined classifier H.**

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| **Round 1** |  |  |
| **Round 2** |  |  |
| **Round 3** |  |  |

**Submission Format**

Convert HW3\_report\_template.docx to HW3\_report.pdf, then place HW3\_report.pdf and HW3\_2.ipynb into a folder named {yourStudentID}\_HW3 and compress it into a ZIP file for upload to NTU COOL. Below are the file formats for upload.

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