CS5658 Anomaly Detection – Final Project

Group: ≤ 3 people per group

Find your teammates with **less than or equal to 3 people** in a group for the final project. All the team members share the same final project scores. You need to **list your group members** in the final project proposal.

Final Project Proposal

For each group, you need to **define your own anomaly detection problem** and solve it. You need to submit your project proposal pdf file **within 2 pages**. You are not limited in solving any task or datasets, but you need to stick to the topics introduced in class and **clearly define your selected task** in your proposal. The topic includes:

    (1) Time Series Anomaly Detection
    (2) Image Anomaly Detection
    (3) Video Anomaly Detection

For those who have no idea on what problem to deal with, we provide two CVPR workshop challenges for your information.

VAND 2.0 Challenge 1: Adapt & Detect: Robust Anomaly Detection in Real-World Applications

VAND 2.0 Challenge 2: VLM Anomaly Challenge: Few-Shot Learning for Logical and Structural Detection

Reference: [VAND2.0 Challenge at CVPR - Hackster.io](#)

Notice: Be careful! You need to take your computing resources into account as you choose your topic. If you have limited computing resources, you are suggested to choose the **VAND 2.0 Challenge 2** of our recommendation as your final project topic.

Final Presentation

The final presentation will be held on 6/4, 6/6. You need to upload your presentation slides to eeclass before the presentation starts. Each presentation should finish in **10 minutes**.

Paper Report

Write a report to record the task you choose, the method you use, your contribution, result and analysis.