

## Final Project: Open-ended ML-based model

**Background:** This project is totally open-ended. You can decide dataset, ML method, ML framework, error/accuracy metrics, etc. Of course, you need to obey the general ML rules, such as non-overlap between training/testing data.

**Method:** Any ML method, using any ML framework (Scikit-Learn, PyTorch, Tensorflow, etc).

**Training data and labels:** You pick up your own datasets, but make sure you clearly indicated in your report key information such as your training data, testing data, labels, input features, etc...

### Evaluation:

Please choose your own metrics. For classification, accuracy is a must.

### Your delivery:

1. Your source code: **Put a link** of your Google Colab Python code (remember the **sharing** setting so a 3-party can view) in the report so the TA can easily click and run your code.
2. A **IEEE-format report**.
3. Presentation on final day of class (Apr. 27).

### Grading (100 points):

1. Code: 50 points.
2. Report: 40 points.
3. Presentation: 10 points.
4. Send your report/presentation slides (with your code link) to [xun.jiao@villanova.edu](mailto:xun.jiao@villanova.edu) and [dma2@villanova.edu](mailto:dma2@villanova.edu), with **subject title** ECE 5400 Final Project. (**cc all of your teammates**).

### Deadline:

1. By Apr. 27, 3:00pm.