**Machine learning project topic searching guidelines**

1. Datasets from Kaggle and UCI repository are recommended.
2. The dataset should be for multi-class classification or regression task.
3. Size of the dataset for traditional machine learning algorithms:
   * Multi-class classification task: ≥300 \* number of classes.
   * Regression task: ≥1000 samples.
4. Size of the dataset for deep learning neural networks should be ≥10, 000 samples for both multi-class classification and regression task.
5. The task of the dataset must be well defined with a clear output.
6. For time-series data, like ECG signals and accelerometer signals, features must be extracted by the students based on the related work, or provided in the dataset.