
CS548

Final Project

8 points

due: 4:00 PM, 5/4/2021

School of Computer Science
Western Illinois University

Professor: Byoung Jik Lee

This project is part of the final exam according to the syllabus.

The purpose of this project is to build (program) software that applies one of the machine learning models (algorithms) to one of the real data sets. You can use any computer languages and machine learning libraries.

- Select a dataset from UCI Machine Learning Repository, MNIST, CIFAR, Kaggle, Public Government Datasets in Module 6 or elsewhere.
- Select a computing model (except Perceptron) from this class.
- Implement a software and Summarize your report within 3 pages including the following items.
 1. Topic: Problem definition.
 2. Data set: Describe the data set. Explain about the data set. Provide the source(link) of the data set.
 3. Description of your system: Describe the main procedure of your project. Describe the key idea of your programming and used libraries.
 4. Results and conclusions: the performance of your system (if possible, comparisons).

At the end of the report: Indicate whether you have completed the project. If you have not completed the project, write down the completed and unfinished parts.

Submit your written report (3 pages) and your software through Western Online.