**CS 7641: Machine Learning**

**Assignment 1: Supervised Learning**

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# Abstract

For this assignment, I trained, tested, and analyzed the performance of 5 supervised learning classifiers (Decision Trees, Neural Networks, Gradient Boosting, Support Vector Machines, k-Nearest Neighbors) on 2 classification problems.

# Classification Problems:

## Classifiers:

### Decision Tree (DT)

### Neural Networks (NN)

### Gradient Boosting (GBC)

### Support Vector Machines (SVM)

### k-Nearest Neighbors (kNN)

# Citations: