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CMPT 465

Project 7

Due December 5, 2023

A graph with blue rectangular bars and white rectangles

Description automatically generated A graph of blue rectangular objects

Description automatically generated with medium confidence

A graph with numbers and a bar

Description automatically generated with medium confidence A graph with blue rectangular objects

Description automatically generated

A graph with blue squares

Description automatically generated with medium confidence

In this experiment, MLP performed significantly better during both the Learning and Testing phases. The MLMVN simulator was not able to learn with the given data. I had tested it with many different number of hidden neurons. Ultimately I chose 2,4,6,and 8 for the first layer and 64 for the second layer. I edited the Net\_learn function to stop after 1,000,000 iterations. In all 4 scenarios this cap was reached. As for the MLP data, using 8 neurons for the first hidden layer gave us the best results in the testing phase.