

Benjamin Wright  
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Matrix Methods in Machine Learning

Since writing the first project update, I have implemented a neural network to classify digits of the MNIST dataset. This is the last classifier I needed to implement for the project. Cross-validation was used to help decide how many nodes to put in the network.

Further, I have begun evaluating the other classifiers with statistics such as the error rate to determine regularization parameters and present the results in the final paper. Depending on the length of the rest of the report, I may compute extra statistics.

I have not yet begun writing the final report. This is the last thing I need to do for the project. The project is maintained at <https://github.com/bwright8/csproject/tree/master>.