## ${\rm CMSC510}$ - Assignment 1

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## 1 Part A: Redo HW#1 in PyTorch

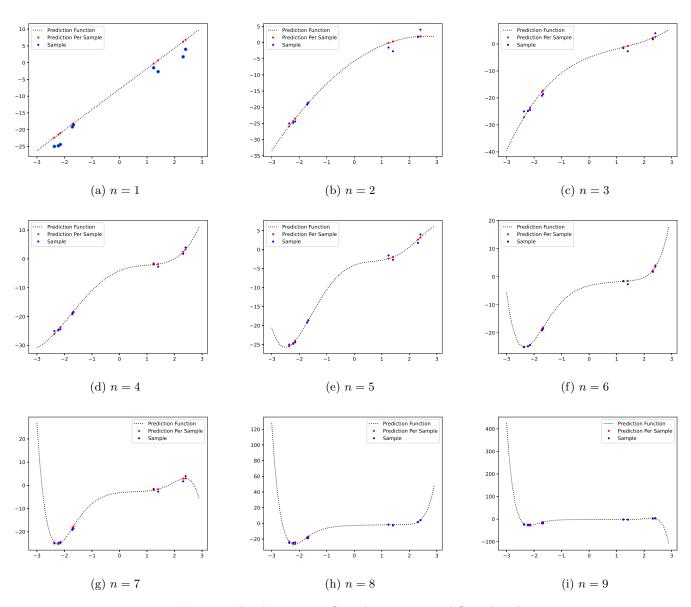


Figure 1: Predictions per Sample versus actual Sample values

## 2 Part B: MNIST with two class linear model

Classes used: 9 and 5. Training size: 11,370 samples, testing size: 1,901 samples. See results on next page.

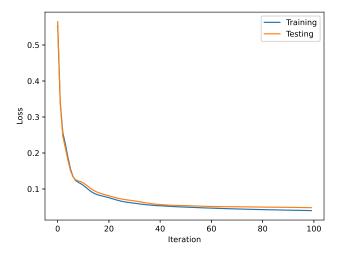


Figure 2: MNIST Loss

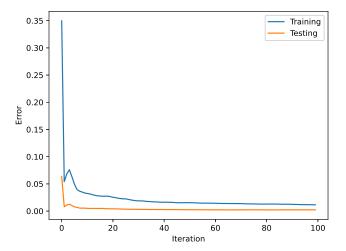


Figure 3: MNIST Error