Introduction to Machine Learning Assignment 3
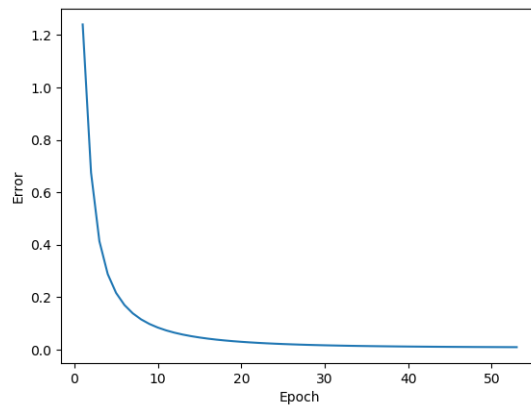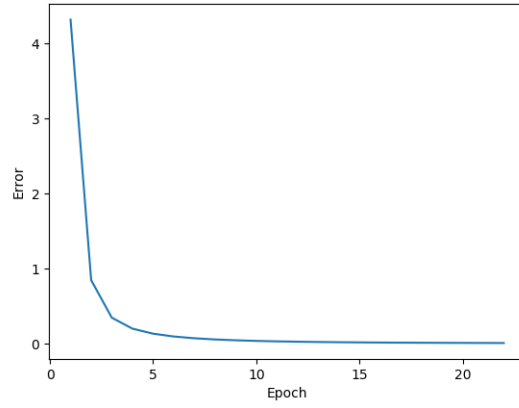
Divij Singh

29/09/18

1   Q1

(I have taken help from Barun Parruck in working out the algorithm and structure of the program, but my work is my own.)

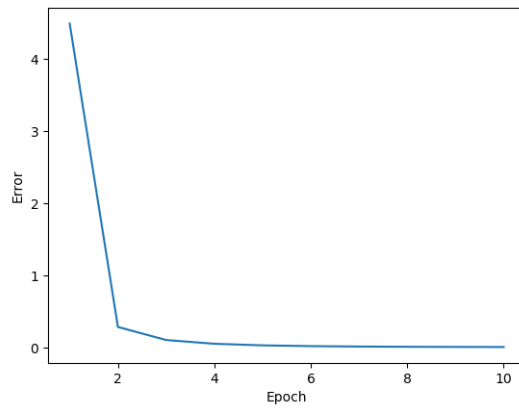(a) The code has been uploaded alongside.

(i)

(ii) The testing error came to 0.00024374237948404976

(iii)

The testing error came to 0.00023175983111851144

(iv)

The testing error came to 0.00022377130423263442

(v) According to the above results, the greater the size of the network, the lower the test error.