Sudarshana Jagadeeshi

Assigment 2

I ran each set of parameters twice

|  |  |
| --- | --- |
| Parameters Used | Test Errors |
| Training Rate: 0.0125, Epochs: 60000, sigmoid activation | 0.64126166, 0.84006021 |
| Training Rate: 0.0125, Epochs: 60000, tanh activation | 16.73827239, 18.54867632 |
| Training Rate: 0.0125, Epochs: 60000, relu activation | 11.20590632, 10.79579436 |

Summary

It seems that the sigmoid did best by a long shot. I’ve heard tanh is supposed to yield better results generally, or at least be comparable in performance. I may have made some error, but otherwise I’m not sure what is causing this drastic difference. It may be

Assumptions Made

N/A