

Assignment 2

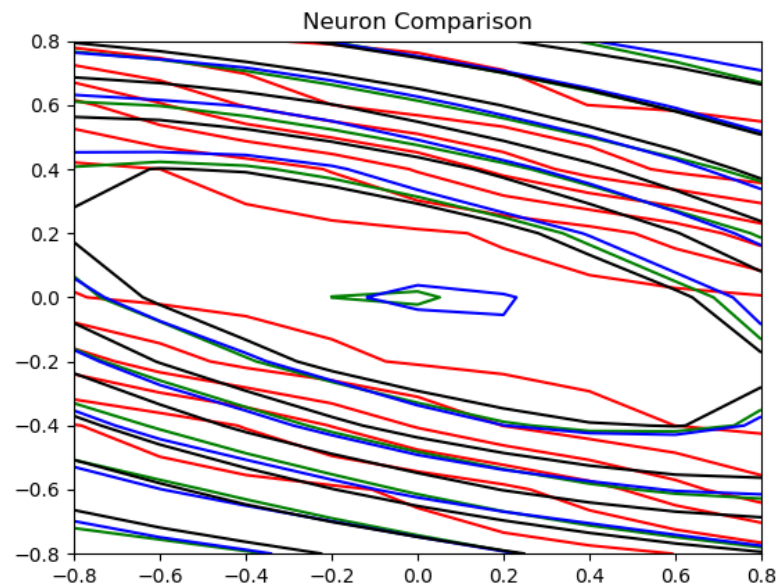
COMP 4107

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100980915
David N. Zilio
100997259
Date: October 28th 2018

Q1

a) Asdf

1. Investigation results in following responses



2. A

3. Asdf

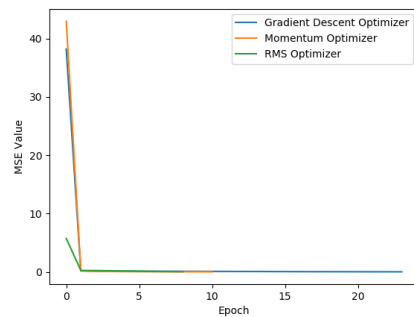
4. Sigmoid

b)

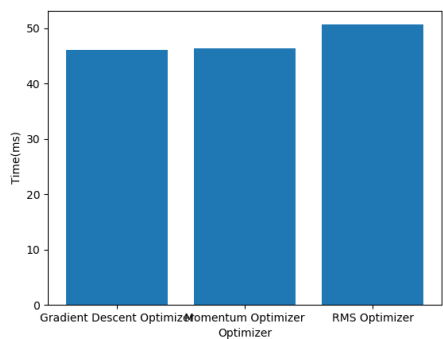
1. Gradient Descent Optimizer Epochs: 24 Final MSE: 0.019556148

Momentum Optimizer Epochs: 11 Final MSE: 0.017951267

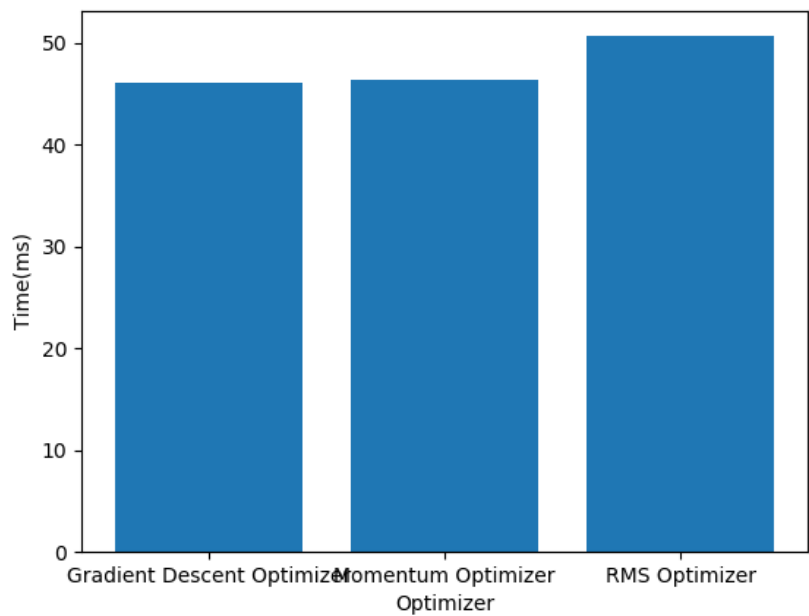
RMS Optimizer Epochs: 9 Final MSE: 0.010692263



2.

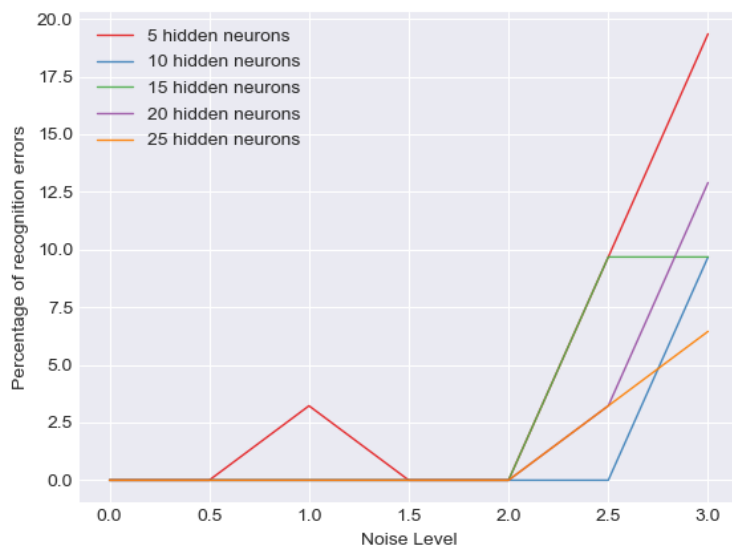


- 3.
- 4. Best accuracy after 100 epochs is: 0.0010628295 from RMS Optimizer
Gradient Descent Optimizer Epochs: 24 Final MSE: 0.019556148
Momentum Optimizer Epochs: 11 Final MSE: 0.017951267
RMS Optimizer Epochs: 9 Final MSE: 0.010692263

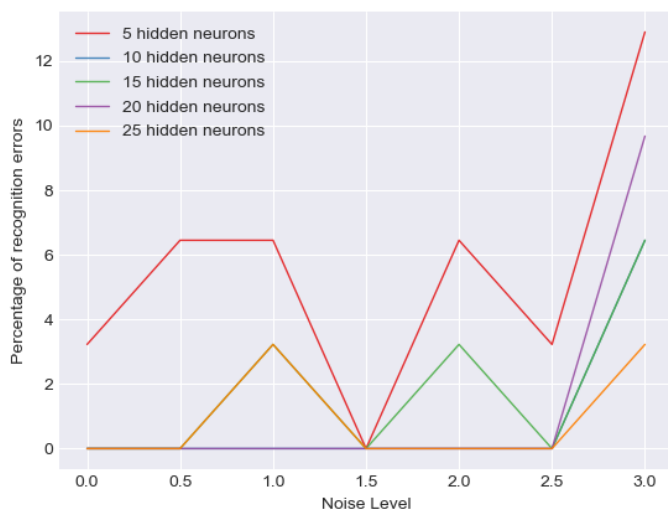
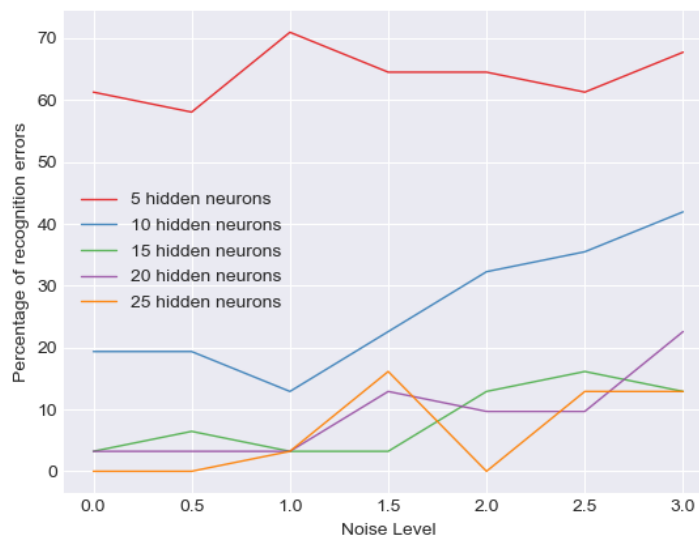
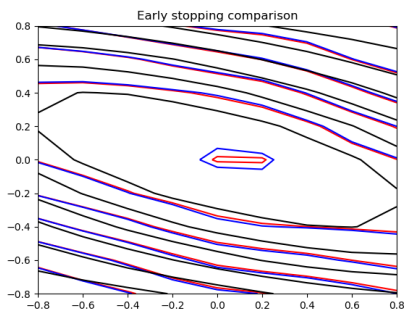


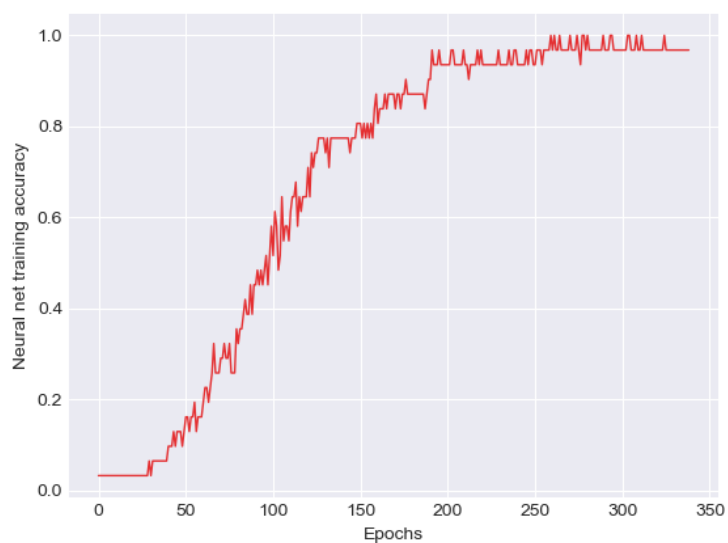
- 1.
- 2.
- 3.
- 4.

Q2

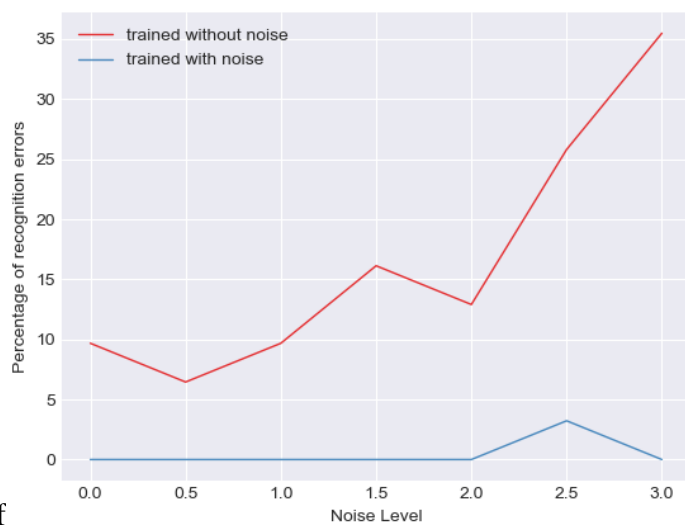
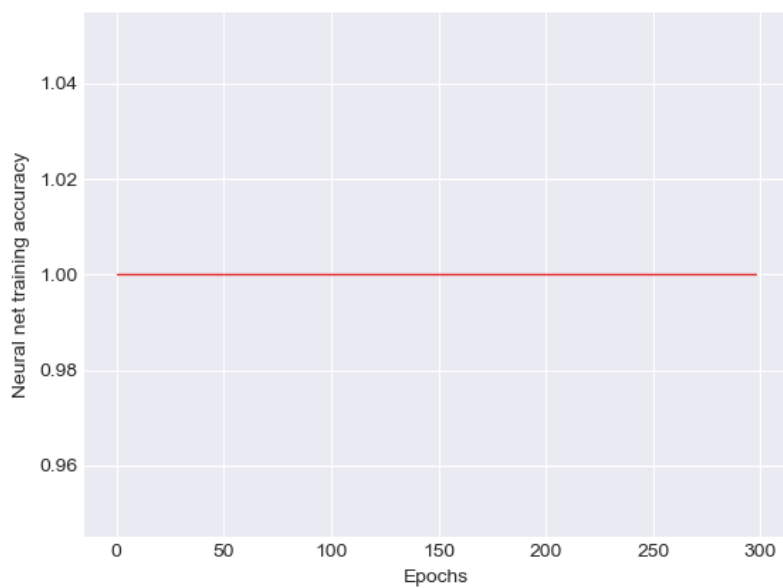


a) Asdf





b) Asdf



c) asdf