

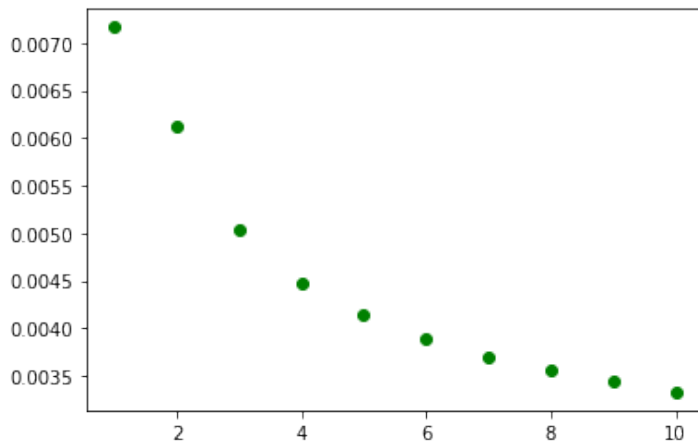
# Assignment 3 IST 597

Submitted by: Tanuj Namdeo, TPN5218

## Batch Normalisation on MLP

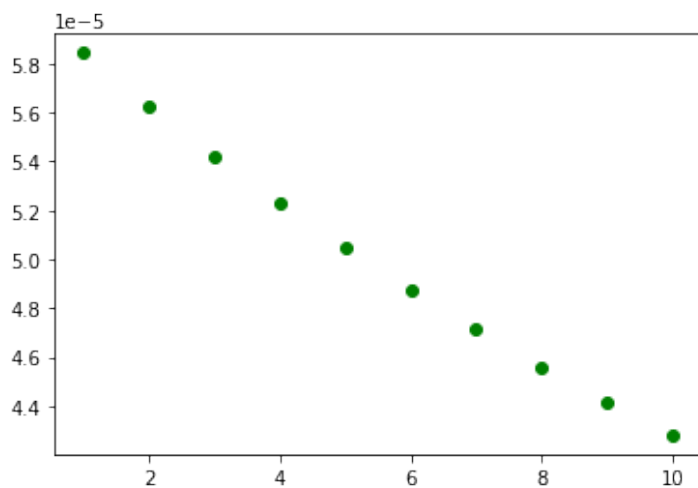
Running the code across three trials

Pre-activation



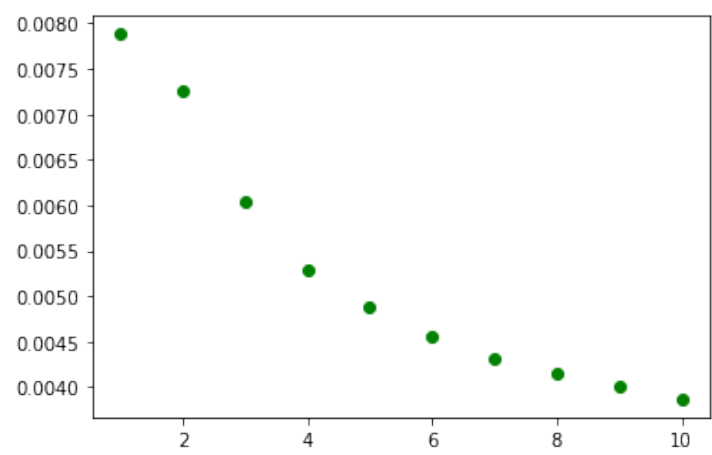
Validation Accuracy: 0.8468

Post-activation



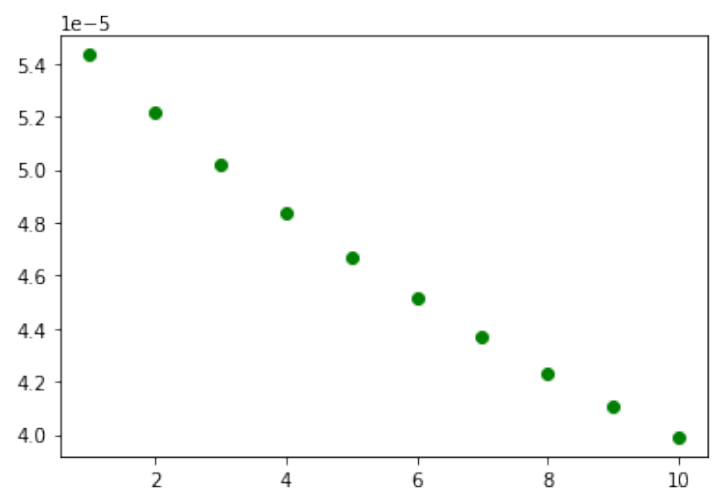
Validation Accuracy: 0.2840

Pre-activation



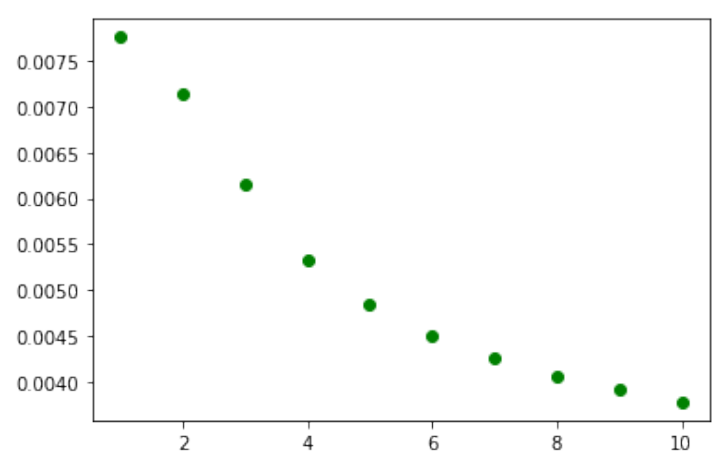
Validation Accuracy: 0.8208

Post-activation



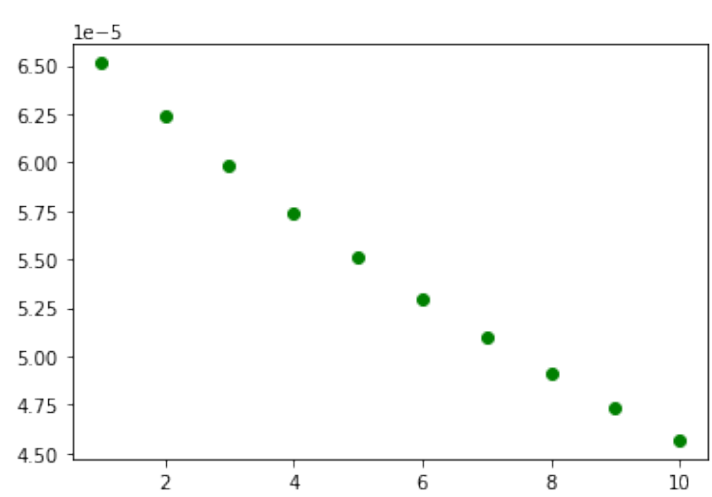
Validation Accuracy: 0.3490

Pre-activation



Validation Accuracy: 0.8233

Post-activation

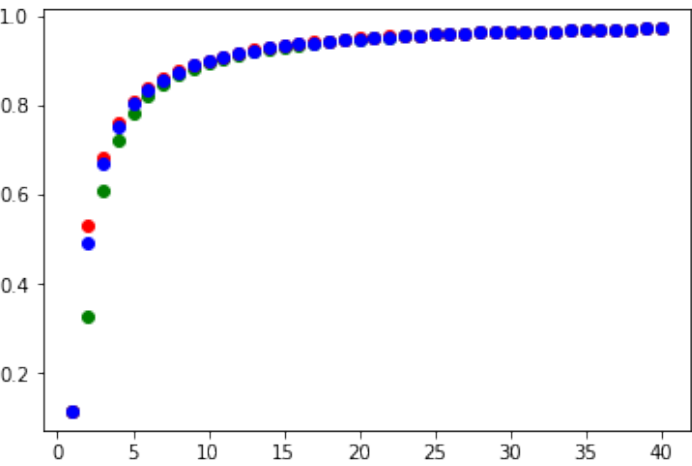


Validation Accuracy: 0.2352

# Batch Normalisation on CNN

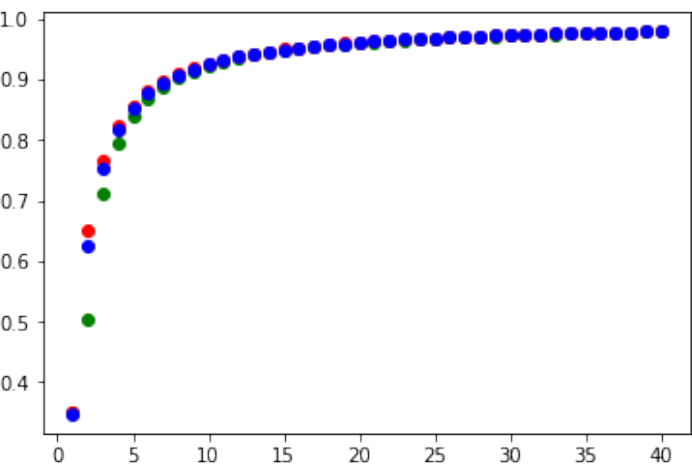
Running across three trials

Pre-activation



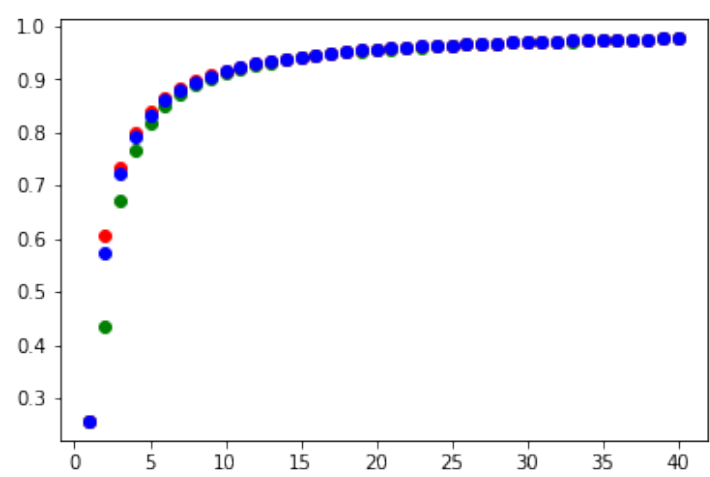
Validation Accuracy: 0.9718187

Post-activation



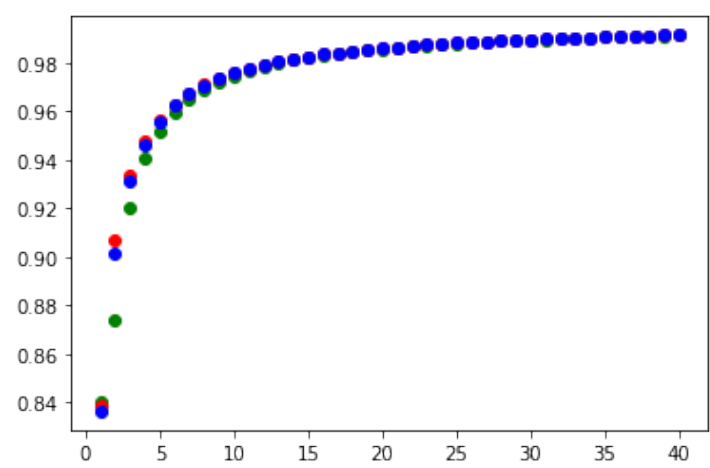
Validation Accuracy: 0.9792116

Pre-activation



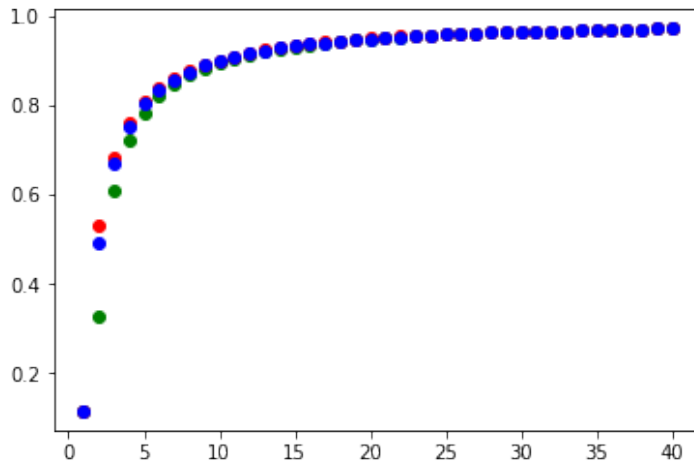
Validation Accuracy: 0.9772709

Post-activation



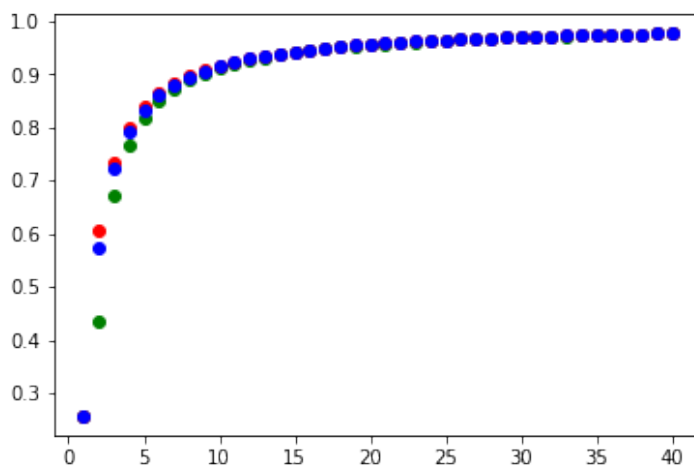
Validation Accuracy: 0.99155927

### Pre-activation



Validation Accuracy: 0.98245658

### Post-activation



Validation Accuracy: 0.98423654

Github link to all the assignments - [https://github.com/tanujn45/IST597\\_Spring\\_2022](https://github.com/tanujn45/IST597_Spring_2022)