Neural Networks Midterm Project

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1 Introduction

In this paper we set out to improve on the generic CIFAR-10 code available at https://github.com/keras-team/keras/blob/master/examples/cifar10_cnn.py. However, instead of testing an improved model on the CIFAR-10 dataset, we set out to test the data on the CIFAR-100 dataset. Currently, the best model for analyzing the CIFAR-100 dataset achieves an accuracy of about 84%. While in setting out on this project we didn't expect to even approach this accuracy, we were surprised to find just how well the CIFAR-10 model worked for analyzing the CIFAR-100 data. Starting from a baseline accuracy of about 38%, we have made several improvements to the model including {insert blurb here}, that have drastically improved accuracy.

- 2 Related Work
- 3 Approach
- 4 Results
- 5 Conclusion