Assignment 4

tldr: Classify CIFAR10. Acheive performance similar to the state of the art. Classify CIFAR100. Achieve a top-5 accuracy of 90%.

Problem Statement Consider the CIFAR10 and CIFAR100 datasets which contain 32×32 pixel color images. Train a classifier for each of these with performance similar to the state of the art (for CIFAR10). It is your task to figure out what is state of the art. Feel free to adapt any techniques from papers you read. I encourage you to experiment with normalization techniques and optimization algorithms in this assignment. Write a paragraph or two summarizing your experiments. Hopefully you'll be able to resuse your MNIST program.