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**Assignment 4**

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

**Problem Statement** Consider the CIFARIO and CIFARIOO datasets which contain  $32 \times 32$  pixel color images. Train a classifier for each of these with performance similar to the state of the art (for CIFARIO). 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.