Homework 4 Writeup

Instructions

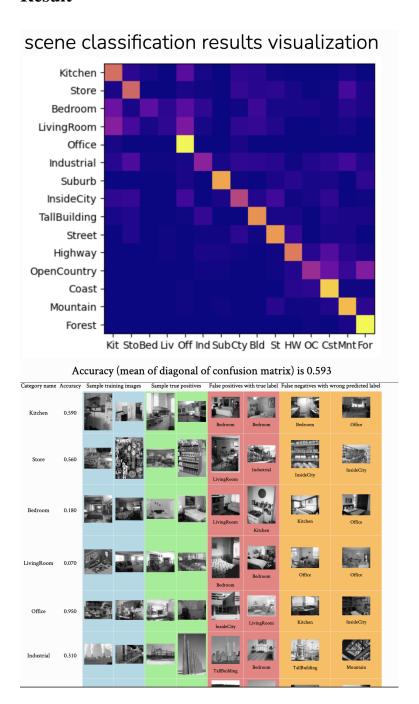
- Provide an overview about how your project functions.
- Describe any interesting decisions you made to write your algorithm.
- Show and discuss the results of your algorithm.
- Feel free to include code snippets, images, and equations.
- List any extra credit implementation and result (optional).
- Use as many pages as you need, but err on the short side.
- · Please make this document anonymous.

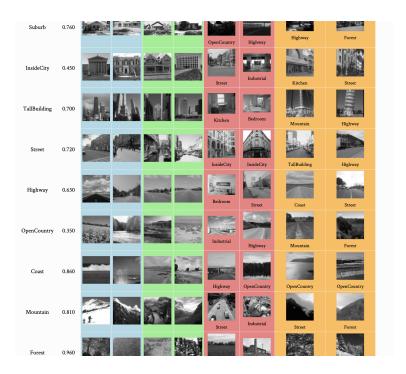
Project Overview

In this project, I implemented parts of the image classification program. My implementation comprises Task 1. Tiny images representation and nearest neighbor classifier Task 2. Bag of words representation and nearest neighbor classifier. Task 3. Bag of words representation and linear SVM classifier.

Classification performance

Result





Extra Credit (Optional)