

Documentation

- The dataset used for training of the features is the KITTI and GTI dataset, the .zip file for the same is present in the folder.
- Please unzip (extract) the zip files before running the code.
- For the feature extraction, we have used color histogram, Spatial Binning and Histogram of Oriented Gradients (HOG).
- Comparison is made for different classifiers once the feature extraction is complete. The classifiers used to compare are Naïve Bayes, Support Vector Machine Classifier and Random Forrest Classifier.
- The SVM Classifier gives a better accuracy score with less amount of execution time.
- We were not able to execute the car counting and car classification as it was giving us an erroneous result and the code was not working properly.