Name of The Project: CIFAR-10

Name of the team: M Hasanuzzaman

Participants:

1)Hasanuzzaman

ID: 1640CSE00512

2) Md. Shamim Reza

ID: 1640CSE00536

Kaggle account: https://www.kaggle.com/hzm401

Git Repository for the source code:

https://github.com/hzm401/CIFAR-10

Problem statement: CIFAR-10 - Object Recognition in Images.

Description

The CIFAR-10 dataset is a collection of images that are commonly used to train computervisionalgorithms. It is one of the most widely used datasets for deep learning research. The CIFAR-10 dataset contains 60,000 32x32 color images in 10 di_erent classes which are airplanes, cars, birds, cats, deer, dogs, frogs, horses, ships and trucks.

Technical Approach:

Preprocessing Techniques

- 1)Mean subtraction
- 2)Normalization
- 3) Dimensionality reduction
- 4)Regularization

Algorithm: k-means algorithm

Learning Techniques

- 1) Convolutional Neural Networks
- 2)Max-Pooling

Development Platform: Deep

Convolutional Neural Network

Libraries:

- 1)Open CV
- 2)Keras
- 3) Numpy
- 4) Python
- 5) Tensorflow
- 6) Pip etc.

Total Submission: 5

baseline_sub.csv 9 days ago by M Hasanuzzaman add submission details	0.81600	0.81600	
baseline_sub.csv 10 days ago by M Hasanuzzaman 4th Submission	0.81080	0.81080	
baseline_sub.csv 10 days ago by M Hasanuzzaman 3rd Submission	0.80450	0.80450	
baseline_sub.csv 11 days ago by M Hasanuzzaman 2nd Submission	0.80320	0.80320	
baseline_sub.csv 11 days ago by M Hasanuzzaman add submission details	0.63249	0.63249	

Best Accuracy: 0.81600