Deep Learning

Avoiding Over-fitting and Under-fitting

600

1. **Load the CIFAR-10 dataset and write a code to classify the classes.**
- Use only the dense layer.
- Use Overfit prevention methods. [Batch Normalization, Earlystop, Dropout, Data augmentation, ...]
- Use 10 % of the train-set as validation-set.
- Number of epochs: 50
- Before using data for training the model, **Concat generated data and original data.**
- Is your model suffering from overfitting or underfitting? Explain your answer.