

Exercises 26

Dense Layers (1000)

1. Classify the Categories of **CIFAR10** dataset, Using **Dense** and **Flatten** layers!

Points:

- Use **Flatten layers** instead of reshaping!
- Loss Function: **Cross Entropy**
- The number of epochs: Desired!
- Batch Size: Desired!
- Other hyperparameters: Desired!
- After training, evaluate the test data!
- Finally predict a desired image!

Hidden Layers architecture:

- Type: Dense, Number of Neurons: 250, Activation Function: Relu
- Type: Dense, Number of Neurons: 128, Activation Function: Relu

Marks: Loading and Preprocessing (300), Compile(100), Fit(100), Evaluate(200), Predict(300)