

Data Preprocessing Scripts

Objective:

This objective of this is to develop scripts to prepare the raw CIFAR-100 data for effective model training by normalizing and augmenting the dataset.

Key Steps in the Scripts

1. Load the CIFAR-100 dataset.
2. Normalize Pixel Values: Scale pixel values to the range $[0, 1]$.
3. Data Augmentation: Enhance dataset diversity using transformations.
4. Save Preprocessed Data (Optional): Use NumPy to save normalized and augmented data.