

Exercises 29

Auto Encoder (AE)

800

1. Convert CFAR10 to gray, then design and train a deep model to convert gray to color image!

Points:

- **Convert original images into gray images. (100)**
- **Design an AE architecture model and train that. (300)**
- **Show a gray and colorized space of an image (from the CFAR10 dataset)(200)**
- **Colorize an image, out of the dataset. (200)**