

Image Colorization

AI project

CSI 4106

Introduction to Artificial Intelligence

W2022

Topics

Coloring grayscale images within LAB color space

Images processing with OpenCV

Deep learning with CNN model with TensorFlow

Dataset



132.jpg



133.jpg



134.jpg



135.jpg



143.jpg



144.jpg



145.jpg



146.jpg



154.jpg



155.jpg



156.jpg



157.jpg



165.jpg



166.jpg



167.jpg



168.jpg



176.jpg



177.jpg

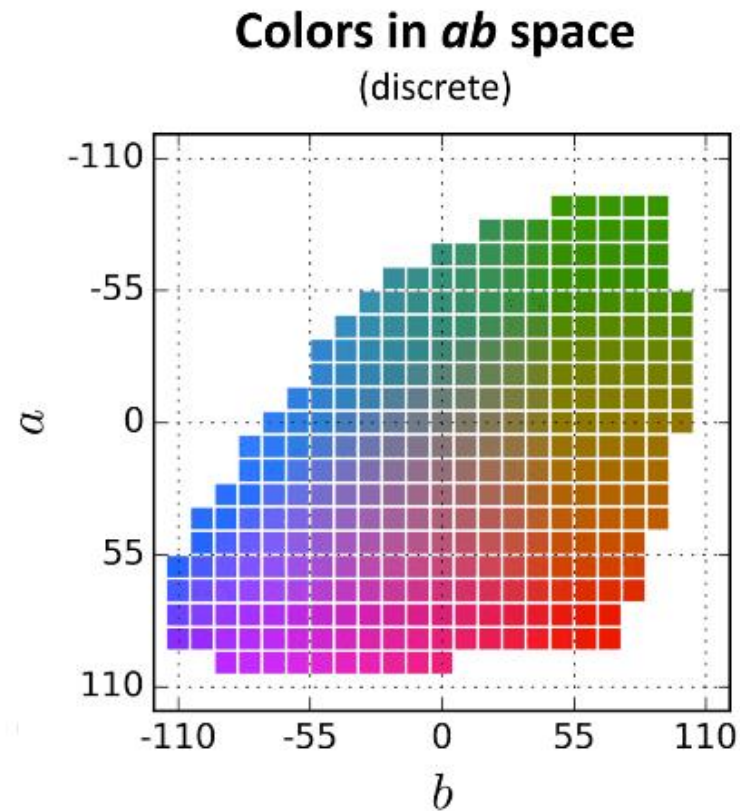
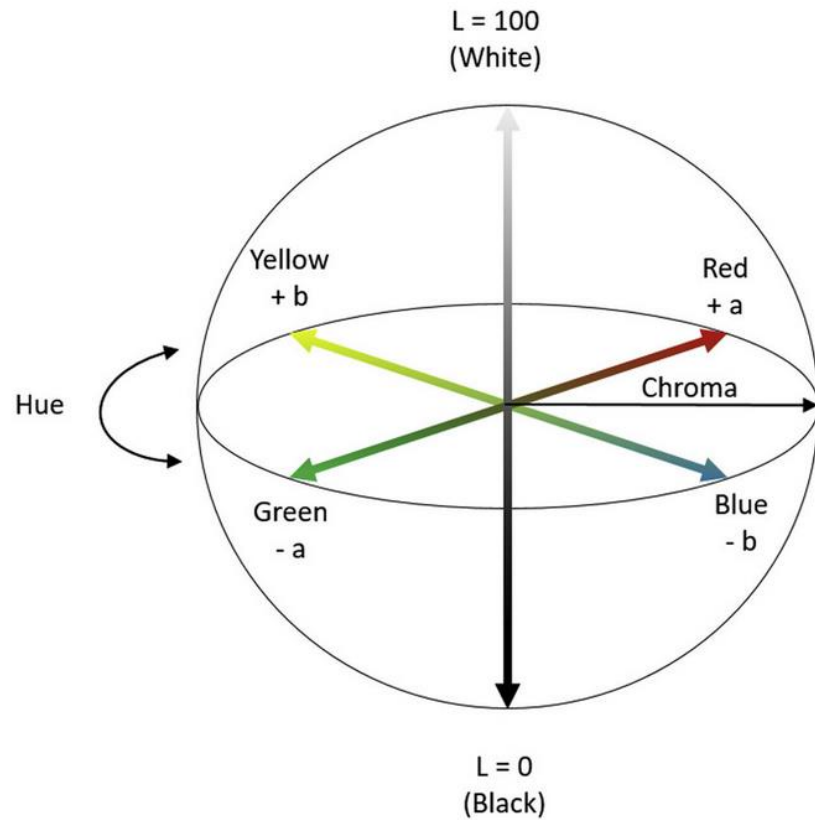


178.jpg



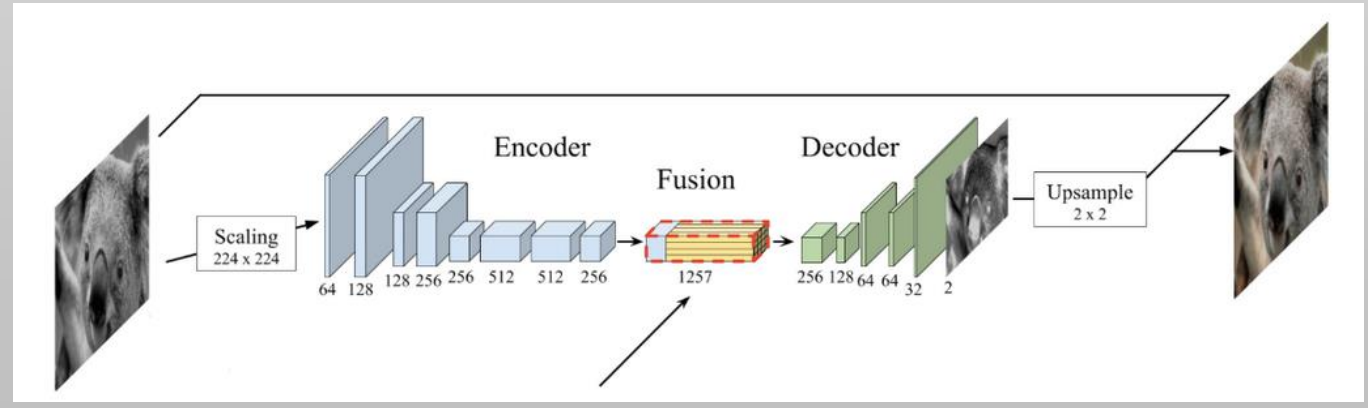
179.jpg

LAB color space

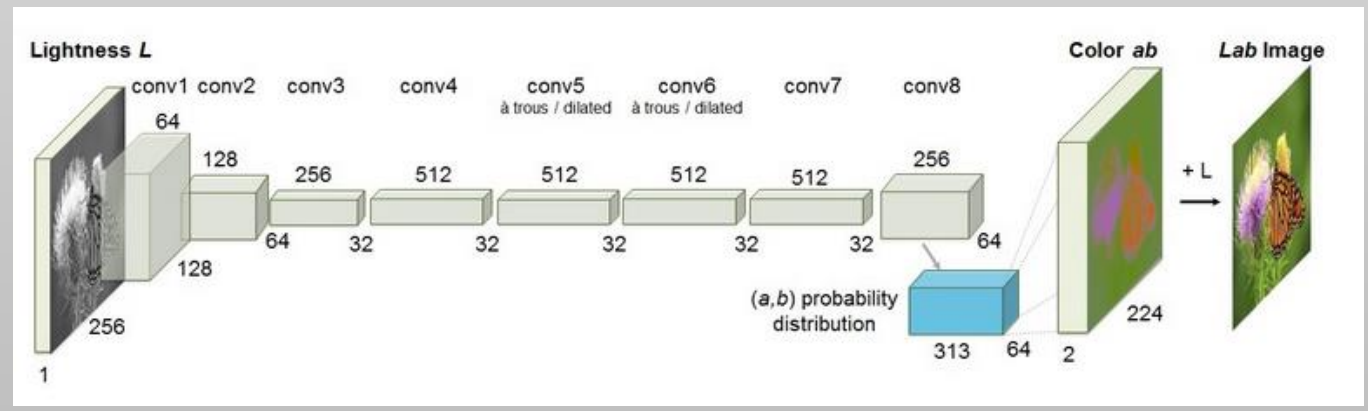


Proposed solution

Regression Task

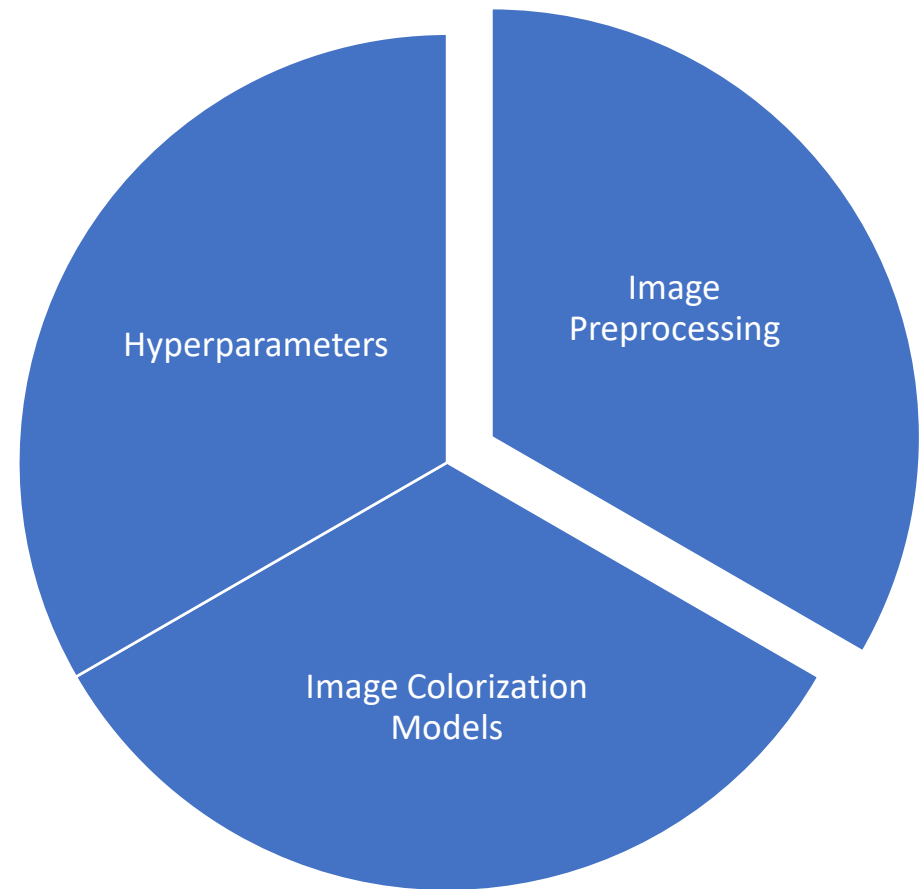


Classification Task



Coding

See the notebook



My results

