

Implementing Image Segmentation Techniques using Scikit-Image

~ Achyut Morang, elb17045@tezu.ac.in

20 September, 2020



 Open in Colab

 launch binder

trial

Table of Contents

Implementing Image Segmentation Techniques using Scikit-Image

- Introduction
- Setup
- Experiments and Results
- Observation
- Conclusion

Introduction

Image segmentation is a critical process in computer vision. It involves dividing a visual input into segments to simplify image analysis. Segments represent objects or parts of objects, and comprise sets of pixels. Image segmentation sorts pixels into larger components, eliminating the need to consider individual pixels as units of observation.

This report is an account of using Scikit-Image – an open source Python package designed for image preprocessing, to experiment with some of the Image Segmentation Techniques listed below –

1. Edge Detection
2. Region Based Image Segmentation
3. Thresholding
- 4.

Setup

Numpy

Matplotlib

ScikitImage

Experiments and Results

Observation

Conclusion
