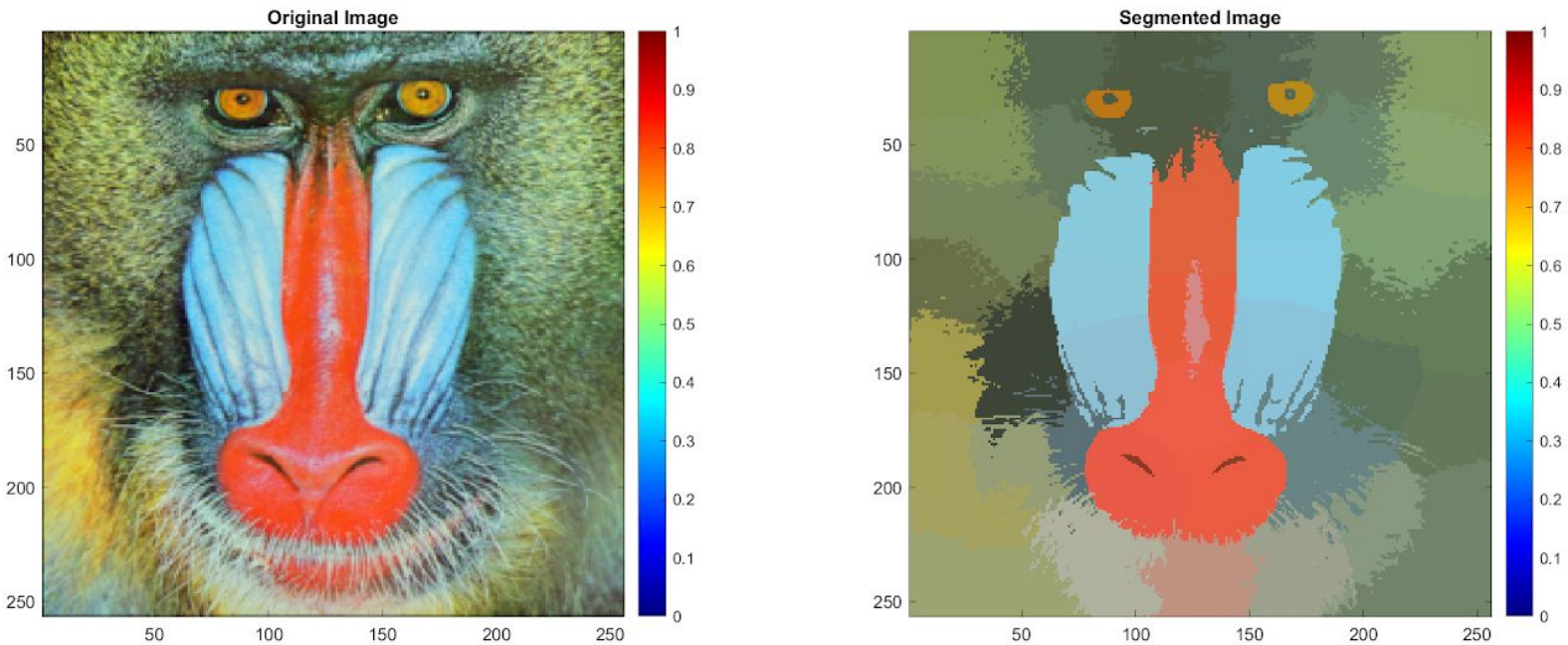


Report : Part 2 : Assignment 3



Parameters Used:

Gaussian Kernel bandwidth for the color feature = 0.03 (For Colors scaled between 0 and 1)

Gaussian Kernel bandwidth for the spatial feature = 220 (For 256x256 images)

Number of iterations = 20

Learning rate = 1.2 if current iterations < 10 else 0.6

Nearest neighbours (using knnsearch()) for calculating gradient = 1200

The number of segments obtained using the above parameters is 45. We have used an adaptive learning rate to ascent quickly for half the iterations and then halving the initial learning rate