

Histogram Equalization

- a. Read the image 'cameraman.png'
- b. Compute no. of pixels for each gray level intensity (to generate histogram)
- c. Compute Probability Distribution Function (PDF) = no. of pixels for each level / total no of pixels
- d. Compute Cumulative Distribution Function (CDF) = Cumulative sum of PDF
- e. Multiply each CDF by L-1
- f. Round the value obtained in step e
- g. Display original image and Equalized image using subplot
- h. Display original histogram and equalized histogram using subplot
- i. **Bonus:** Perform Histogram Specification of the input image with your desired image (you can choose any of your images for performing the specification).