assignment 10

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1 Introduction

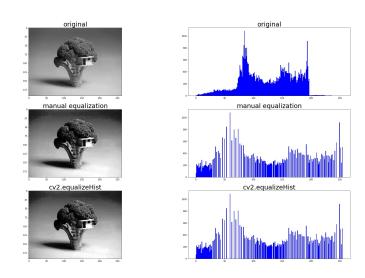
I was asked to 'What happens when you apply histogram equalization on your favorite grayscale image; Solved the problem in both way self implementations and functions cv2.equilizedHist

- $1.\,$ imported necessary packages like numpy,
matplotlib and ${\rm cv2}$
- 2. convert the image to gray.
- 3. now counts the frequency of image level then make cumulative sum
- 4. now apply this below equation

$$h(i,j) = ((cdf(i,j) - cdf_{min})/((m*n) - cdf_{min})) * (L-1)$$

5. finally I plotted those image using matplotlib.

2 Results



This is the result of my work