

Histogram Equalization Exercise [Help]

Help: The following tips will help you complete this exercise:

- To calculate the histogram, you must first flatten the image.
- Before displaying the cdf make sure that it is normalized. Its axes should be in the same range as the histogram axes.
- To create the mask of the cdf, try using the `NumPy.ma.masked_equal()` function for every 0. Then, normalize it in the `[0, 255]` range.
- The mask is not the cdf of the equalized image. It must be calculated again.
- To display two images as one, you can use the `NumPy.hstack()` or `NumPy.vstack()` functions.
- When displaying the image, if it is entirely white or black, try specifying its data type using the `.astype()` function.