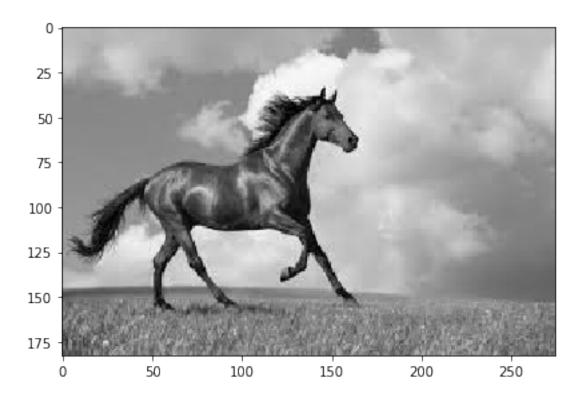
methodTestWithHistogram

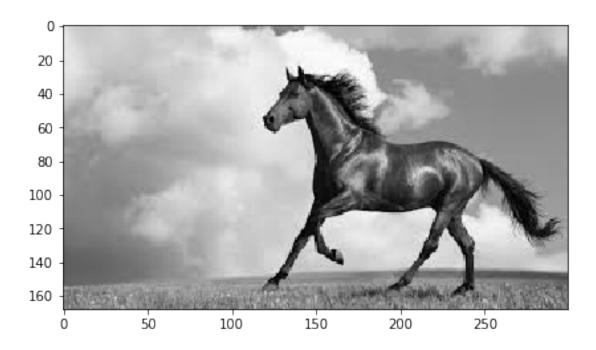
December 7, 2018

```
In []: # grupo:
            Guilherme Neri
            Lucas Antunes
            Rodrigo Bisso
            Jian Furquim
             Victor Bifoni
             Henrique Fan
In [1]: from skimage import data, io, filters, exposure
In [2]: import matplotlib.pyplot as plt
In [3]: import pandas as pd
        import numpy as np
In [4]: from skimage.color import rgb2gray
In [5]: horse2=io.imread('download (1).jpeg')
In [6]: horse=io.imread('download (2).jpeg')
In [7]: horse=rgb2gray(horse)
        io.imshow(horse)
/home/sa/anaconda3/lib/python3.6/site-packages/skimage/io/_plugins/matplotlib_plugin.py:51: Fu
  out_of_range_float = (np.issubdtype(image.dtype, np.float) and
/home/sa/anaconda3/lib/python3.6/site-packages/matplotlib/axes/_base.py:1400: MatplotlibDeprec
  " since 2.2.", cbook.mplDeprecation)
Out[7]: <matplotlib.image.AxesImage at 0x7f517e3d2128>
```



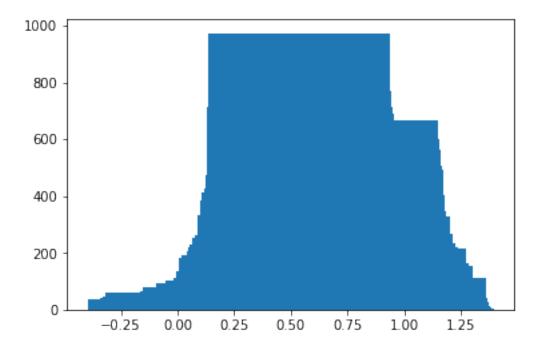
/home/sa/anaconda3/lib/python3.6/site-packages/skimage/io/_plugins/matplotlib_plugin.py:51: Furout_of_range_float = (np.issubdtype(image.dtype, np.float) and /home/sa/anaconda3/lib/python3.6/site-packages/matplotlib/axes/_base.py:1400: MatplotlibDeprecation)

Out[8]: <matplotlib.image.AxesImage at 0x7f517cac5358>



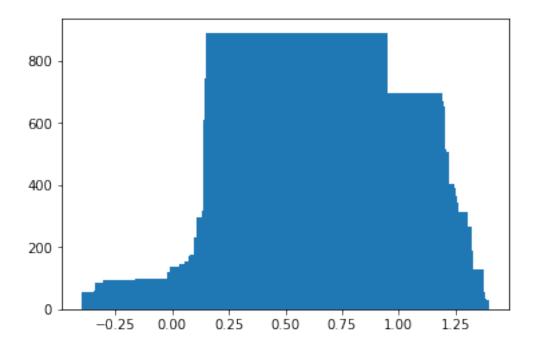
In [9]: image=horse
 edges = filters.sobel(image)
 plt.bar(exposure.histogram(image)[1], exposure.histogram(image)[0])

Out[9]: <BarContainer object of 256 artists>



```
In [10]: image2 = horse2
    edges = filters.sobel(image2)
    plt.bar( exposure.histogram(image2)[1], exposure.histogram(image2)[0])
```

Out[10]: <BarContainer object of 256 artists>



Out[11]: 0.789865871833085