**Step 1**

Import a picture to perform analysis

**Step 2**

Convert RGB picture to grayscale

1. Matlab function to convert RGB to greyscale
   1. <https://www.mathworks.com/help/matlab/ref/rgb2gray.html>

**Step 3**

Analyze entire picture to see the distribution of all the values of the picture.

1. Have MatLab acquire dimensions of the picture
   1. <https://www.mathworks.com/help/matlab/ref/size.html>
2. While Loop
   1. https://www.mathworks.com/help/matlab/ref/while.html?s\_tid=srchtitle