**Lecturas Adicionales Curso**

**Semana 2:**

* <https://towardsdatascience.com/image-processing-class-egbe443-0-1-image-aquisition-7e80cc89de84>
* <https://towardsdatascience.com/image-processing-4391c5bcef78>
* <https://towardsdatascience.com/image-analysis-for-beginners-how-to-read-images-video-webcam-and-screen-3778e26760e2>
* <https://towardsdatascience.com/image-processing-tool-a1b8fe66c957>

**Semana 3:**

* <https://towardsdatascience.com/image-processing-class-egbe443-2-6beb2a8349e6>
* <https://towardsdatascience.com/image-processing-image-scaling-algorithms-ae29aaa6b36c>
* <https://towardsdatascience.com/image-processing-part-2-1fb84931364a>
* <https://pyimagesearch.com/2021/05/12/image-gradients-with-opencv-sobel-and-scharr/>
* <https://pyimagesearch.com/2021/04/28/opencv-smoothing-and-blurring/>
* <https://pyimagesearch.com/2021/04/28/opencv-thresholding-cv2-threshold/>
* <https://pyimagesearch.com/2017/02/20/text-skew-correction-opencv-python/>
* <https://pyimagesearch.com/2014/01/20/basic-image-manipulations-in-python-and-opencv-resizing-scaling-rotating-and-cropping/>

**Semana 4:**

* <https://pyimagesearch.com/2016/10/31/detecting-multiple-bright-spots-in-an-image-with-python-and-opencv/>
* <https://pyimagesearch.com/2014/08/04/opencv-python-color-detection/>

**Semana 5:**

* <https://towardsdatascience.com/image-processing-with-python-application-of-fourier-transformation-5a8584dc175b>
* <https://pyimagesearch.com/2020/06/15/opencv-fast-fourier-transform-fft-for-blur-detection-in-images-and-video-streams/>

**Semana 6:**

* <https://www.robots.ox.ac.uk/~az/lectures/ia/lect3.pdf>
* <https://stackoverflow.com/questions/35192550/wiener-filter-for-image-deblur>
* <https://towardsdatascience.com/how-to-perform-image-restoration-absolutely-dataset-free-d08da1a1e96d>

**Semana 7:**

* <https://towardsdatascience.com/understanding-morphological-image-processing-and-its-operations-7bcf1ed11756>
* <https://towardsdatascience.com/image-processing-part-3-dbf103622909>
* <https://pyimagesearch.com/2021/04/28/opencv-morphological-operations/>
* <https://towardsdatascience.com/contrast-enhancement-of-grayscale-images-using-morphological-operators-de6d483545a1>

**Semana 8:**

* <https://towardsdatascience.com/image-processing-class-egbe443-5-edge-and-contour-d5d410f4483c>
* <https://towardsdatascience.com/image-segmentation-with-classical-computer-vision-based-approaches-80c75d6d995f>
* <https://towardsdatascience.com/image-segmentation-with-clustering-b4bbc98f2ee6>
* <https://pyimagesearch.com/2021/10/06/opencv-contour-approximation/>
* <https://pyimagesearch.com/2014/09/08/thresholding-simple-image-segmentation-using-opencv/>
* <https://pyimagesearch.com/2014/07/07/color-quantization-opencv-using-k-means-clustering/>
* <https://pyimagesearch.com/2014/05/26/opencv-python-k-means-color-clustering/>