Data Appendix

COLOR

      The COLOR folder in the data directory includes 84 color images (ie: image-170-a.jpg). All of these images are 768x1024 pixels in dimension to ensure uniformity within the dataset. Each image includes different scenery, objects, and backgrounds to allow the model to be trained on diverse images. Two examples of images in the dataset are **image-170-a.jpg** and **image-207-a.jpg** shown below:

GRAYSCALE

      The GRAYSCALE folder in the data directory includes 84 black and white images (ie:). All of these images are 768x1024 pixels in dimension to ensure uniformity within the dataset. Each image is the grayscale version of the images in the COLOR folder to allow the model to be tested for accuracy. Two examples of images in the dataset are **image-170-a.grayscale.jpg** and **image-207-a.grayscale.jpg** shown below:

Exploratory Data Analysis

Histogram: image-176-a.jpg

Histogram: image-178-a.jpg

Channel Histograms