

To get my f1 score to at least a 0.8, I started off playing with the graycoprops function. I discovered that if I added the homogeneity and dissimilarity features (in addition to the contrast feature that was already there) to analyze the grey level matrix that was generated by the greycomatrix function. I then started playing around with other features. I found that a lot of them actually ended up lowering the f1 score. However, the DAISY feature increased my f1 score a lot. The DAISY feature looked at the image, and densely and quickly extracted the image descriptors. It is particularly good for bag-of-feature pictures. By using this fast extraction and by looking at the homogeneity, contrast, and dissimilarity of the image, I was able to get my f1 score up to 0.92.