

Data Processing:

Processed image data and converted it to npy files (processing also includes augmenting dataset with blurred and cropped versions of existing image).

Progress on Deliverables:

Must Accomplish

1. 50 percent accuracy from test data using convolution neural networks or other models we have used in class

Progress: Created test/train/dev data in npy format to train the models. Reviewed convolutional neural net model training code from class homework assignment.

2. Augmented data using blur and cropped techniques

Progress: Created blurred photos and randomly selected which to use. Created npy files based on the updated photo dataset. Created npy files based on cropped photos.

3. Extract skin tone as one of the features used in the neural network

Progress: After further consideration of the data we have decided against extracting the skin tone as a feature since the pictures are black and white and have varying lighting and therefore, we don't think this feature would improve the model significantly

Expect to Accomplish/Would like to Accomplish

These are extensions of must accomplish goals and therefore we have not started on them yet