Step 1: Data_wrangling.ipynb

Step 2: Data_selection_32_128_512_sizes.ipynb for creating equlized or imbalanced datasets

Step 3: For self-data augmentation and grayscale images, Preprocessing_augment.ipynb and Preprocessing_morphology.ipynb

    For applying keras augmentation during training, go to step 4

Step 4: Model_transfer.ipynb

Model_NN_CNN.ipynb shows model built on gray scale images with self data augmentation.