

Assign 4: Question 4

RESULTS

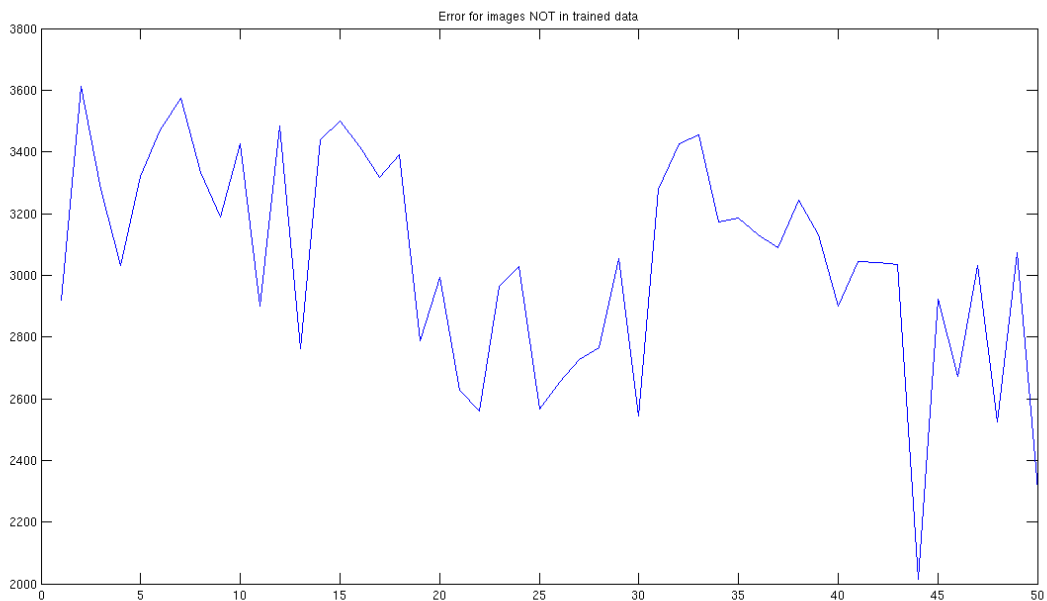
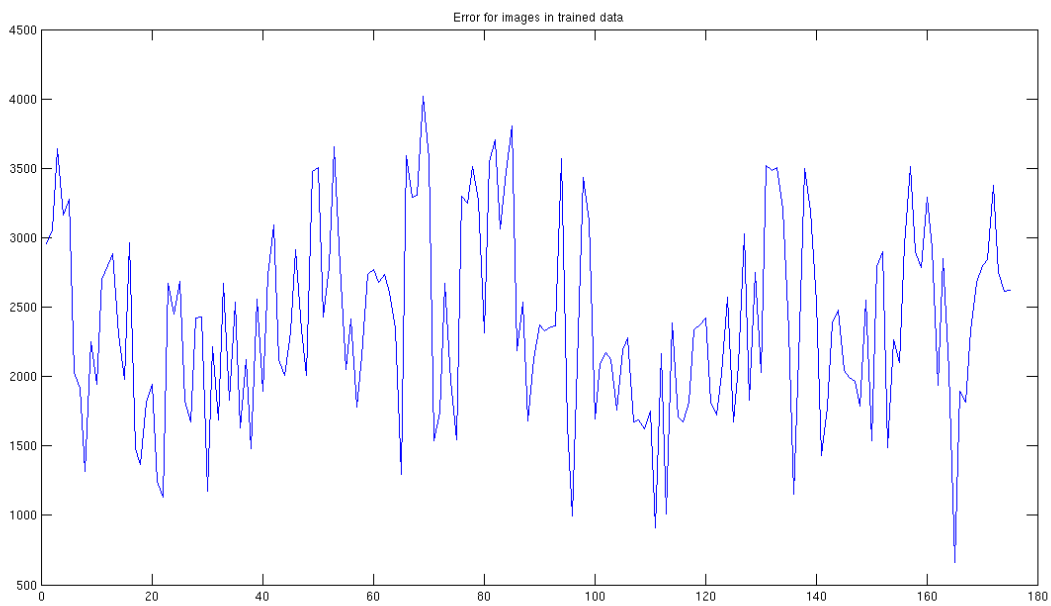
False-positive: 0.2800 (13 images)

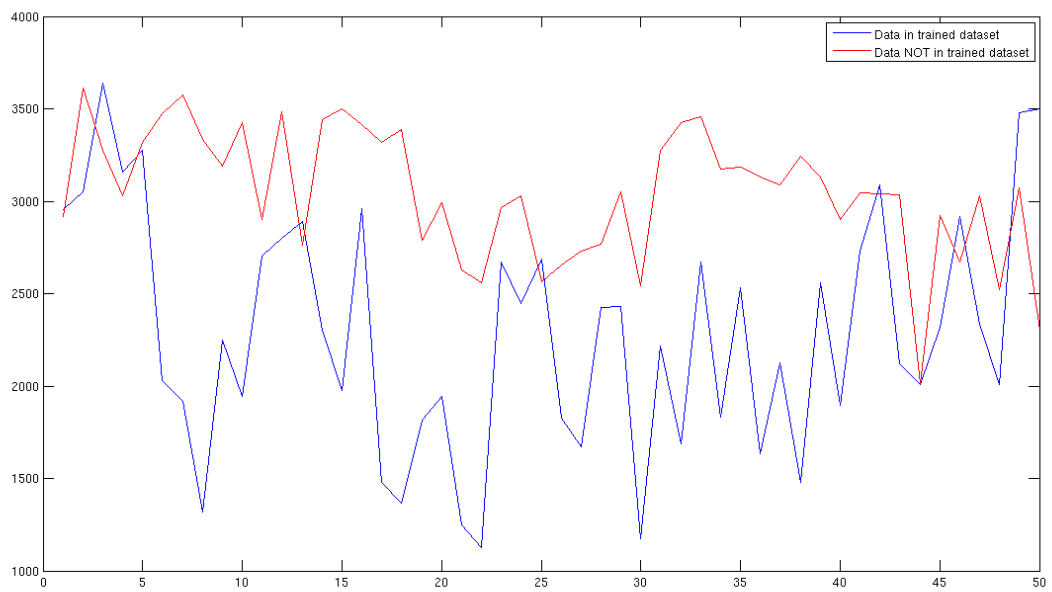
False-negative: 0.2286 (40 images)

Here are the getting the error plots as shown:

Note: This is the minimum error achieved for every test image

1. Error plot for 175 images within the trained dataset
2. Error plot for 50 images NOT within the trained dataset
3. Comparison within the two error plots (Only 1st 50 samples of the 1st graph are taken for better visualization)





Thus, we can see that the red curve is above a certain threshold as compared to the blue curve. So, accordingly setting the threshold as 2900 gave best results; ie if the minimum error is greater than 2900, the image lies outside the trained dataset and if it is less than 2900 than the image does lie in the trained dataset.