

Daily Logs

Monday, January 21:

I saved 54 new jpg (the only accepted image type) images of handicap parking placards for my training set.

Tuesday, January 14:

I saved 146 new jpg images for my training set, bringing the total number of new images this week to 200.

Timeline:

Week	Goal	Met?
1/6 - 1/9	Correct "can't open file" error	Yes
1/13 - 1/16	Correct "Average IOU: - nan" messages, which will likely greatly improve the program accuracy level	No
1/21 - 1/23	Add more photos to training set to prevent both overfitting and "Average IOU: - nan" messages	Yes
1/29 - 1/30	Change new images to black and white, and annotate them with the BBox Label Tool	No
2/3 - 2/6	Adjust image annotations to match YOLO input format. Test training program on larger training set to see if it resolved the "Average IOU: - nan" messages.	No

Reflection:

This week, I saved more photos for my training set. Increasing the size of my training set will hopefully prevent overfitting when I reach the high number of iterations needed to resolve the “Average IOU: - nan” messages. All of the YOLO tutorials I have read about have used a very large number of photos, so having a large training set is likely a good practice for YOLO training and will likely improve my program’s accuracy.