

Report on Reviewing Datasets

Section 1: Error Counts - October 22nd Dataset

<u>Label</u>	<u>Correct</u>	<u>Missed</u>	<u>Bounding Box Error</u>	<u>Incorrect Label</u>	<u>Extra Label</u>
Car	103	20	13	2	3
Bus					2
Pickup Truck	2				6
Van		1		1	
Box Truck		3			
Semi Truck					
Dump Truck					
Construction					
Tow Truck					2

Incorrect Label: Misidentified vehicle eg. Car identified as Bus

Extra Label: Object that is not a vehicle identified as one, or double boxes around the same vehicle

Notes:

Several times noted a car with double (or even more) bounding boxes, often with a different vehicle label for one of the boxes
Bounding boxes get messy when cars are overlapping, may be hard to identify visually cause together they look correct, but eg. one may be too small and one may be too big so together you don't notice the individual mistakes

Section 2: Primary Problems with Reviewed Labels

October 22nd:

The reviews for this dataset were very messy. We had a few primary issues:

1. Pre-labels being pickup trucks:
 - Because a lot of the prelabels were pickup trucks, it looked like people have gotten used to not checking the car labels, so a lot of cars were labeled pickup trucks
2. Double boxes:
 - Usually just a thicker version. Could be a problem because sometimes the boxes surrounding the same cars had different labels
3. Signs:
 - Need to be careful we're picking up cars and not box-shaped things

Trucks Dataset:

1. Not any huge issues, just debates as to whether something could be a dump truck or box truck.

2. Occasional missed cars