

<b>Frame Number</b>	<b>Missed Detection</b>	<b>Detected Vehicles</b>	<b>False Detection[Possible Reason]</b>
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	2[Too Far]	0	0
13	3	0	0
14	3	0	0
15	3	0	0
16	3	0	0
17	3	0	0
18	2	0	0
19	1	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	1	0	0
24	0	1	0
25	0	1	0
26	0	1	0
27	1	1	0
28	1	1	0
29	2	1	0
30	2	1	0
31	2	1	0
32	1	1	0

33	2	1	0
34	3	1	0
35	3	1	0
36	2	1	0
37	2	1	0
38	2	1	0
<b>39</b>	<b>0</b>	<b>2</b>	<b>0</b>
40	0	1	0
41	1	1	0
42	1	1	0
43	2	1	0
44	2	1	0
45	2	1	0
46	2	1	0
47	2	1	0
48	2	1	0
49	2	1	0
50	1	1	0
51	1	1	0
52	1	1	0
53	1	1	0
54	1	1	0
55	1	1	0
56	1	1	0
57	1	1	0
58	1	1	0
59	1	1	0
60	1	1	0
61	1	1	0
62	0	1	0
63	0	1	0
64	0	1	0
<b>65</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>66</b>	<b>0</b>	<b>1</b>	<b>1</b>
67	1	1	0

68	1	1	0
69	2	1	0
70	2	1	0
<b>71</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>72</b>	<b>2</b>	<b>0</b>	<b>0</b>
73	0	1	0
74	0	1	0
75	0	1	0
<b>76</b>	<b>1</b>	<b>0</b>	<b>0</b>
77	0	1	0
<b>78</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>79</b>	<b>1</b>	0	0
80	0	1	0
81	0	1	0
82	1	0	0
83	1	0	0
84	1	0	0
85	1	0	0
86	1	1	0
87	1	1	0
88	1	1	0
89	1	1	0
90	1	1	0
91	1	1	0
<b>92</b>	<b>0</b>	<b>2</b>	<b>0</b>
93	0	2	0
94	0	2	0
95	0	2	0
96	0	2	0
97	0	2	0
98	0	2	0
99	0	1	0
100	0	1	0

## **Accuracy ::**

If I neglect the missed detection on the other side of the highway due to lack of training samples or obstructed view and only consider my side of the highway then the program correctly identifies the vehicle in more than 92% of the testing frames.

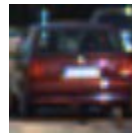
Number of False detections :: 2 frames

Detecting multiple vehicles as one :: 8 frames

## **Analysis ::**

- Many missed detection on the opposite side of the Highway.
- In some frames(eg 65,66 ) there is an issue with False Detection.
- Issue with Overlapping Of windows arise in the end.

Missed detection on the opposite side can be associated with lack of training data. As most of the data contains samples from the back ::



False detection issue is closely related to lack of training data in different conditions.

So overall, system is not too accurate on an actual data. So In the future we should select a better training data.