Refer to:

Label for each column of the csv file.

<https://github.com/streetdrone-home/Autoware/blob/master/ros/src/msgs/autoware_msgs/msg/DetectedObject.msg>

keep the useful columns, delete others.

Note: those 6602 rows are marked with ‘x’ in front, to avoid excel auto delete those blank row, because we want each frame match the corresponding txt file.

Each row corresponds to each frame extracted from the rosbag, each detected object need to be separated by one space.

Then change the class labels form text to numbers:

Class labels:(starts at 0):

RedLeft

Red

RedRight

GreenLeft

Green

GreenRight

Yellow

Off

YellowRight

Data Normalization:

Divide x\_center and width by image width(1024), y\_center and height by image height(768).

The prepared dataset can refer to the DATA.csv file inside csv\_to\_txt folder.