A brief report on the Annotation task

By
Md Rasel Uddin.

I have faced several challenges while annotating the images. I have collected the images from a publicly available dataset. My selected dataset is the Kitti dataset for object detection [1]. This dataset consists of several types of cars, traffic signs, bikes, motorbikes, and pedestrians. I have taken 150 images from this dataset and annotated them into the mentioned 5 classes using the 'labelImg' tool. I have annotated the images into Pascal VOC XML format as suggested. I manually annotated the images, ensuring a tight alignment box around the objects from the Images folder using the 'labelImg' tool, and saved them in the annotation folder.

I faced some challenges while annotating, such as box tightness and mislabeling the objects. To overcome this, I have reviewed several times and annotated with slow time. Some cars were carrying extra machines, which made me confused when drawing the bounding box. Besides, lots of cars were overlapping in the images. So these were challenging, and I managed to overcome them by being patient and taking time to draw the box. Used LabelImg's zoom feature to trace edges meticulously for irregular shapes. As small labeling errors can cause model bad performance, such as loos boxes, they reduce model accuracy. So, I noticed and tried my best for tight and standard image annotating.

References:

1. https://www.cvlibs.net/datasets/kitti/eval_3dobject.php