

Data Description

This dataset is targeted for Level 1 completion. We have certain signs on the road which a vehicle must identify and navigate accordingly. There are 5 main signs (of which only first 3 are really necessary for level 1 completion):

1. Right Turn
2. Left Turn
3. U-Turn/Dead-End: Indicated by an orange wall
4. Stop Sign (at the end of the obstacle course)
5. Traffic Sign

This data is arranged in 5 folders of the corresponding names. Inside each folder we have 2 types of images: (1) images captured by the bot view, (2) the same images after adding a little blur/illumination noise.

There is a 6th folder “misc” which includes images of obstacles and images of flags at the end of each level.

We have also provided 6 images which contain the basic texture for all the above discussed signs (in case someone wants to try patch-matching or some algorithm of their design).

Note: For cases such as below you will have to use distance via LIDAR to judge which sign is closer and make the turning decision accordingly. However, how will you decide the label of such an image from this bot view: is it left/right?

