Session 10: Data Collection

Objectives

- Learn the importance of data collection, selection and augmentation
- Collect live data for track test 2

Exercise 1: Collect/select traffic sign images using robocar

Collect/select 100 images of each category
Data augmentation
Experiment with different data selection and augmentation to improve accuracy

Exercise 2: Record a video and run traffic sign classification on frames

Export final video superimposing decision bounding boxes on recorded frames