Exercise 2: CARLA Dataset

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1 GUI Controls

We implemented a simple GUI based on the python package matplotlib.pyplot¹. After executing the extract.py file, the controls are as listed below.

• Key: 'Right': Move one image forth

• Key: 'Left' : Move one image back

• Key: 'r': Choose a random image

• To quit the viewer, simply close the display window

The viewer features a combined display of both, the original image as well as the transformed image. Additionally, information about the current file, image index, high-level-command and steering angle are provided.

¹We had some trouble with openCV, thus we worked with pyplot.

2 Screenshots

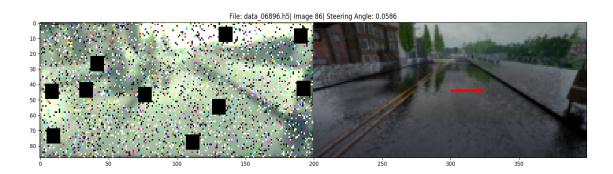


Figure 1: High-Level-Command: Right

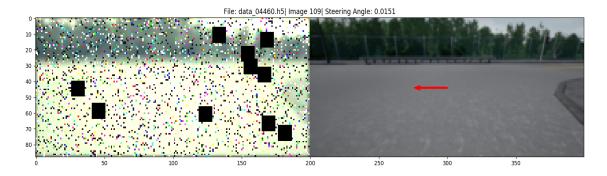


Figure 2: High-Level-Command: Left

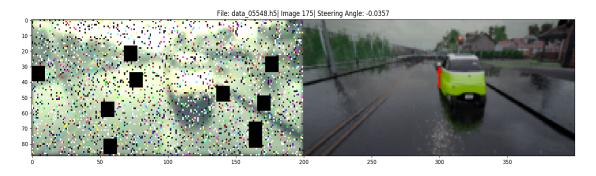


Figure 3: High-Level-Command: Straight

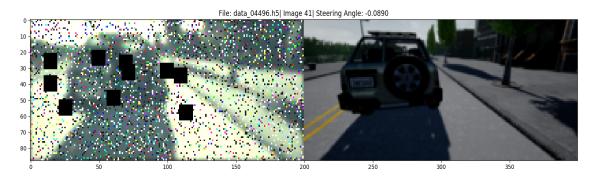


Figure 4: High-Level-Command: Follow Lane