



## Behavioral Cloning



# Behavioral Cloning

## Project Submission

DUE  
Dec 4

For this project, a reviewer will be testing the model that you generated on the first test track (the one to the left in the track selection options).

Whether you decide to zip up your submission or submit a GitHub repo, please follow the naming conventions below to make it easy for reviewers to find the right files:

- `model.py` - The script used to create and train the model.
- `drive.py` - The script to drive the car. You can feel free to resubmit the original `drive.py` or make modifications and submit your modified version.
- `model.h5` - The saved model. Here is the [documentation](#) explaining how to create this file.
- `writeup_report` as a markdown or pdf file. It should explain the structure of your network and training approach. The writeup must also include examples of images from the dataset in the discussion of the characteristics of the dataset. While we recommend using English for good practice, writing in any language is acceptable (reviewers will translate). There is no minimum word count so long as there are complete descriptions of the problems and the strategies. See the [rubric](#) and the [writeup\\_template.md](#) for more details about the expectations.
- `video.mp4` - A video recording of your vehicle driving autonomously at least one lap around the track.



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### Further Help

- Use a generator (such as the [fit\\_generator](#) function provided by Keras). Here is [some documentation](#) that will help. *(Using Keras v1.2.1 from the starter kit? See the archived documentation for [fit\\_generator](#) [here](#).)*
- Paul Heraty, a student in the October cohort, has written [a helpful guide](#) for those of you looking for some hints and advice.
- You can use our sample data for track 1 (see the "Project Resources" lecture for the link)
- Keep in mind that training images are loaded in BGR colorspace using cv2 while drive.py load images in RGB to predict the steering angles.

### Which track are you evaluated on?

You will only be evaluated on your performance in the first track (the one to the left in the options). The other track is there for your own self-assessment.

### Using GitHub and Creating Effective READMEs

If you are unfamiliar with GitHub , Udacity has a brief [GitHub tutorial](#) to get you started. Udacity also provides a more detailed free [course on git and GitHub](#).

To learn about REAMDE files and Markdown, Udacity provides a free [course on READMEs](#), as well.

GitHub also provides a [tutorial](#) about creating Markdown files.

You have not submitted the project yet

SUBMIT PROJECT