UDACITY

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DISCUSS ON STUDENT HUB

Finding Lane Lines on the Road

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Hello,
Congratulations, on meeting all of the specifications. keep this up!
Good luck with your Self Driving Car Nanodegree. 🙌

Required Files

The project submission includes all required files:

- Ipython notebook with code
- A writeup report (either pdf or markdown)

Lane Finding Pipeline

The output video is an annotated version of the input video

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Good work! Your output videos are properly annotated.

In a rough sense, the left and right lane lines are accurately annotated throughout almost all of the video. Annotations can be segmented or solid lines

Your pipeline is pretty good, with resulting lines centered on the target lane lines. The annotations were solid as well as the
left and right lane lines were accurately annotated throughout the videos.

You might want to visit the following links to understand more about Hough Transforms.

- How Hough Transform works
- Hough Line Transform
- Robust Extrapolation of Lines in Video Using Probabilistic Hough Transform

Visually, the left and right lane lines are accurately annotated by solid lines throughout most of the video.

You did good enough as the resulting lane lines are a single solid line and are centered right on the actual lane lines
throughout the videos.

Reflection

Reflection describes the current pipeline, identifies its potential shortcomings and suggests possible improvements. There is no minimum length. Writing in English is preferred but you may use any language.

Good work describing your current pipeline and figuring out some of its potential shortcomings and possible improvements.

If you're curious about how to improve the algorithm so that it can work better in different lighting conditions(like in the optional challenge video), there is a very efficient method called Contrast Limited Adaptive Histogram Equalization (or CLAHE for short):
https://github.com/openpnp/openpnp/issues/481
https://docs.opencv.org/master/d5/daf/tutorial_py_histogram_equalization.html

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