

Finding Lane Lines on the Road

Writeup Template

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The goals / steps of this project are the following:

- Make a pipeline that finds lane lines on the road
 - Reflect on your work in a written report
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Reflection

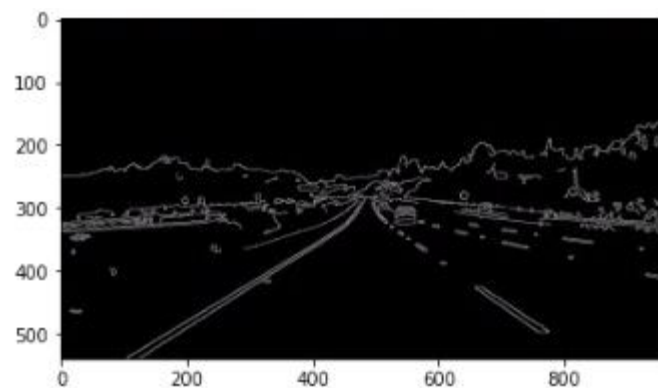
1. Describe your pipeline. As part of the description, explain how you modified the `draw_lines()` function.

My pipeline consists of 6 steps and they're based on opencv.

The first translates the image into a grayscale.

The second is to soften the image using a gaussian blur.

Third, use the Canny to detect the boundary, or edge.



[Results to Canny edge]

Fourthly, I set the area of interest with the "region_of_interest" function.

The fifth function, "HoughLinesP", is used to detect straight lines.

Finally, draw a picture on the original image that you had copied



[Final Results]

2. Identify potential shortcomings with your current pipeline

It was not optimized because it was urgent to write the code due to the deadline. We will make improvements later but there will be no algorithmic problems.

Although straightforwardness is well detected, detection tends to be inaccurate if there is a curve or if there is a shadow in the image.

3. Suggest possible improvements to your pipeline

It is likely that the curve should be further calculated as a quadratic function rather than as a primary function, and the effects on the shadow should also be dealt with.