Finding Lane Lines on the Road

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

Reflection

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

My pipeline consisted of 5 steps. First, I converted the images to grayscale, then I applied the canny edge detection to identify the edges and then I applied the gaussian noise removal to remove the noise. Then, I applied the region masking. I used a triangular area. Then I used the hough transform to get the lines

In order to draw a single line on the left and right lanes, I modified the draw_lines() function by

First, I removed the lines that were too horizontal or too vertical. I divided all the lines into two lines-left line and the right line. I took the average of the slope of the possible lines to form single lines

2. Identify potential shortcomings with your current pipeline

The modified draw function does not seem to work very well. The previous draw function gives better results.

3. Suggest possible improvements to your pipeline

A possible improvement would be to write a code that dynamically selects the region to be masked. This would allow for the changing landscapes and would also solve the challenge problem of this project.