**Project 1: Finding Lane Lines on the Road**

**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 on an image and a video file

**Reflection**

1. **Describe your pipeline. As part of the description, explain how you modified the draw\_lines() function.**

* **On Image**
  + Converted image to grayscale
  + Applied Canny Edge detection
  + Applied Hough Transform
  + Overlay both the images
  + Show image
* **On Video**
  + Converted Video to YUV space
  + Used “for” loop to go through each frame
    - Applied Canny Edge detection on each frame
    - Applied Hough Transform on each frame
    - Overlay both the images
    - Store frames in the array
  + Converted array into movie

**2. Identify potential shortcomings with your current pipeline**

- It’s a tedious process to tweak Canny edge detector and Hough algorithm’s parameter to find the right tradeoffs and get the right output. I was not able to find the right combination even after trying a lot.

- The parameters are hard coded and will have to modified for different images

**3. Suggest possible improvements to your pipeline**

**-** A possible improvement would be to make the code more versatile so that it works with most of the images reasonably well