**Lane Detection and Hough Transform**

(Process) Data Flair - <https://data-flair.training/blogs/road-lane-line-detection/>

(Define) Hough Transform\* - <https://homepages.inf.ed.ac.uk/rbf/HIPR2/hough.htm>

(Process) Medium 1 - <https://medium.com/computer-car/udacity-self-driving-car-nanodegree-project-1-finding-lane-lines-9cd6a846c58c>

(Define) OpenCV - <https://docs.opencv.org/3.4/d6/d10/tutorial_py_houghlines.html>

(Define) Edge Detection Techniques - <https://medium.com/car-parking-assist-prorotype/edge-detection-techniques-de384b22838b>

(Define) Edge Detection Filters - <https://www.theobjects.com/dragonfly/dfhelp/2020-1/Content/Processing%20Images/Image%20Filtering/Edge%20Detection%20Filters.htm>

(Process) Medium 2\* - <https://medium.com/analytics-vidhya/building-a-lane-detection-system-f7a727c6694>

**Research Papers**

Lane Recognition Algorithm Using The Hough Transform Based On Complicated Conditions - [Lane Recognition Algorithm Using the Hough Transform Based on Complicated Conditions (scirp.org)](https://www.scirp.org/journal/paperinformation.aspx?paperid=96456)

Real-Time Lane Detection For Driver Assistance System - [Real-Time Lane Detection for Driver Assistance System (scirp.org)](https://www.scirp.org/journal/paperinformation.aspx?paperid=48615)

Detection Method For Auto Guide Vehicle’s Walking Deviation Based On Image Thinning And Hough Transform - [Detection method for auto guide vehicle’s walking deviation based on image thinning and Hough transform - Xiaohua Cao, Daofan Liu, Xiaoyu Ren, 2019 (sagepub.com)](https://journals.sagepub.com/doi/10.1177/0020294019833073)

**Datasets**

List of datasets (Paperswithcode) - <https://paperswithcode.com/datasets?q=lane+detection&v=lst&o=match>

CULane Dataset - <https://xingangpan.github.io/projects/CULane.html>

**My GitHub repo:**

**Hussain-D 🡪** <https://github.com/Hussain-D/Lane-Detection-and-Tracking>