12/3/2017 Udacity Reviews





PROIECT

Extended Kalman Filters A part of the Self-Driving Car Engineer Program PROJECT REVIEW CODE REVIEW 1 NOTES SHARE YOUR ACCOMPLISHMENT! 🏏 🚮 **Meets Specifications** This is a perfect submission. You have a very good understanding of underlying concepts. Congratulations on successfully completing the project. Compiling Code must compile without errors with cmake and make. Given that we've made CMakeLists.txt as general as possible, it's recommended that you do not change it unless you can guarantee that your changes will still compile on any platform. Great job here! I was able to successfully compile your program without any compilation errors! Accuracy Your algorithm will be run against Dataset 1 in the simulator which is the same as "data/obj_pose-laser-radar-synthetic-input.txt" in the repository. We'll collect the positions that your algorithm outputs and compare them to ground truth data. Your px, py, vx, and vy RMSE should be less than or equal to the values [.11, .11, 0.52, 0.52]. Great job! You were able to achieve the required RMSE with: Accuracy - RMSE: 0.0974 0.0855 0.4517 0.4404

Follows the Correct Algorithm

While you may be creative with your implementation, there is a well-defined set of steps that must take place in order to successfully build a Kalman Filter. As such, your project should follow the algorithm as described in the preceding lesson. $% \label{eq:control_eq}$

Splendid job with your Kalman filter implementation! You correctly handle measurements in regards to predictions and updates!

Your algorithm should use the first measurements to initialize the state vectors and covariance matrices.

