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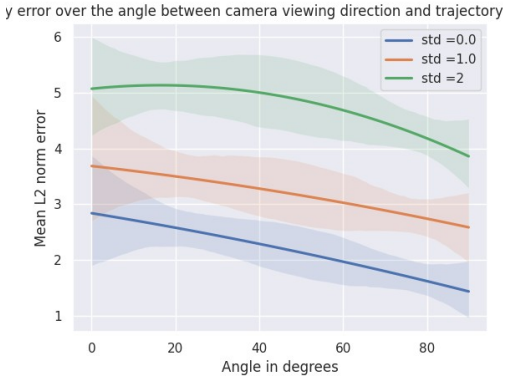
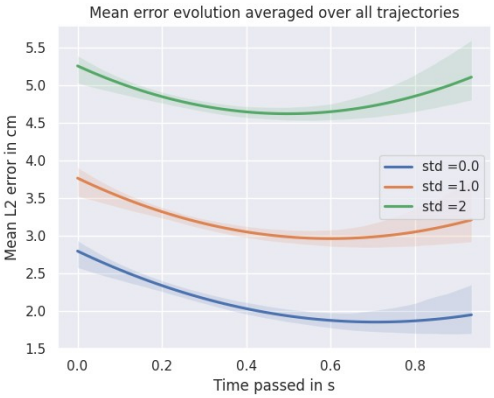
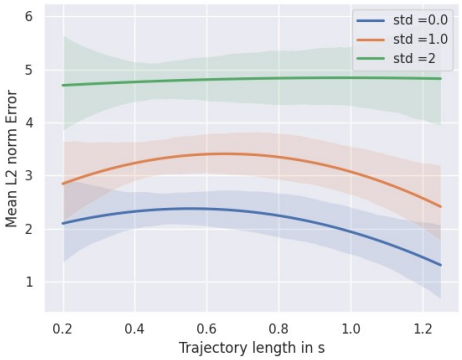
Progress report for week 17

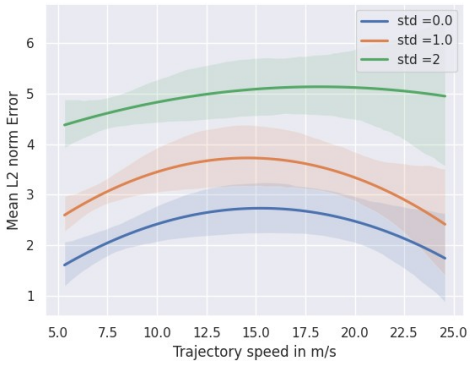
In this week, I made my code ready to use by
- -fixing a bunch of bugs
- -rewriting and commenting
- -making a configuration file

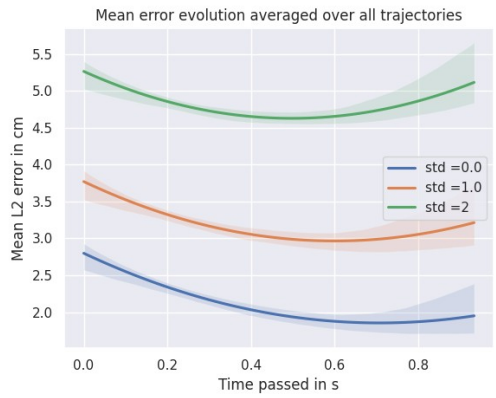
I also reworked the looks of my graphs, mostly fitting polynomials of rank 2 on my data. Furthermore, I now compare different standard deviations and benchmark not only single trajectories without spin, but also ones with spin and whole matches, to compare their performance. I also made a file just for simulating original trajectories next to their prediction.

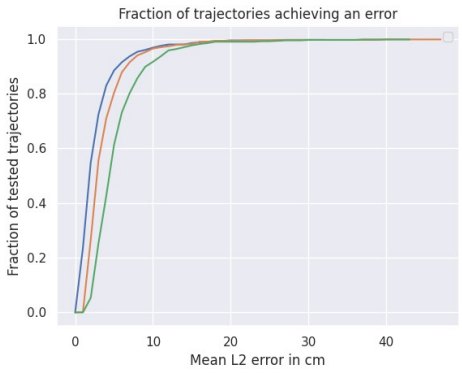


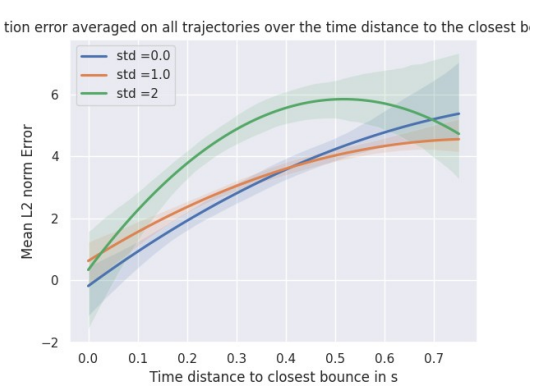


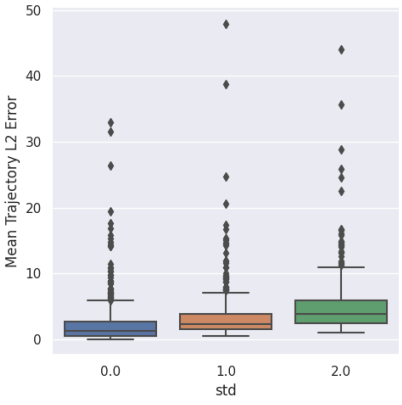


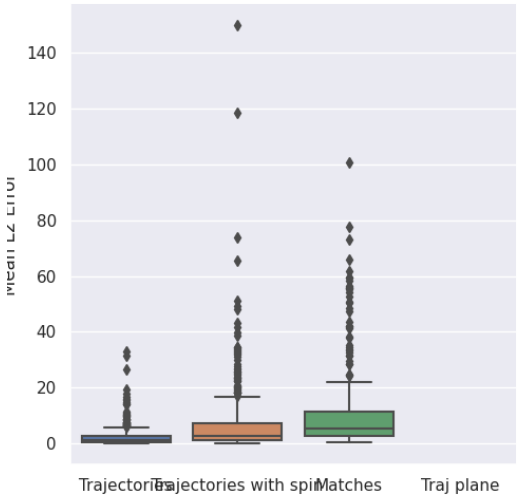


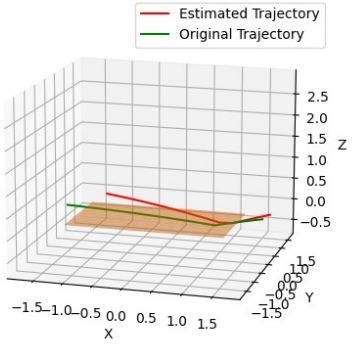









140
120
100
80
60
40
20
0
Trajectories
Trajectories with spin
Matches
Traj plane


Estimated Trajectory
Original Trajectory
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
Z
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
X
Y