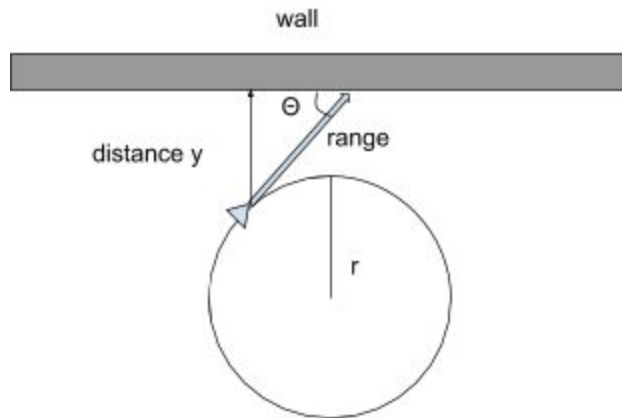


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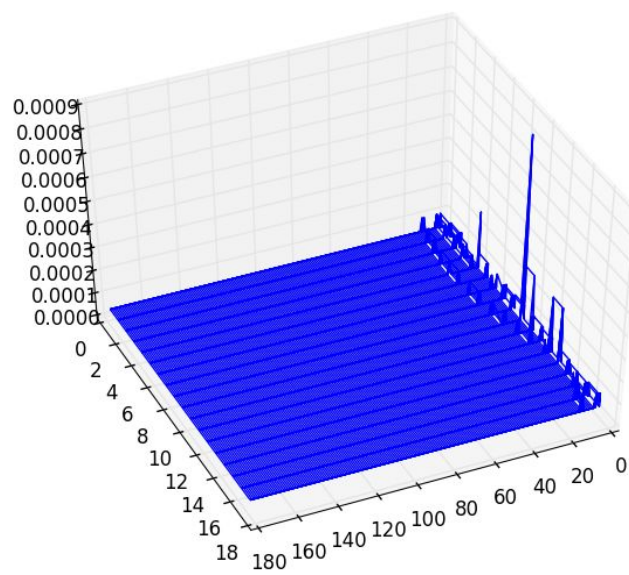
varunshi - 50244968

Question 1:



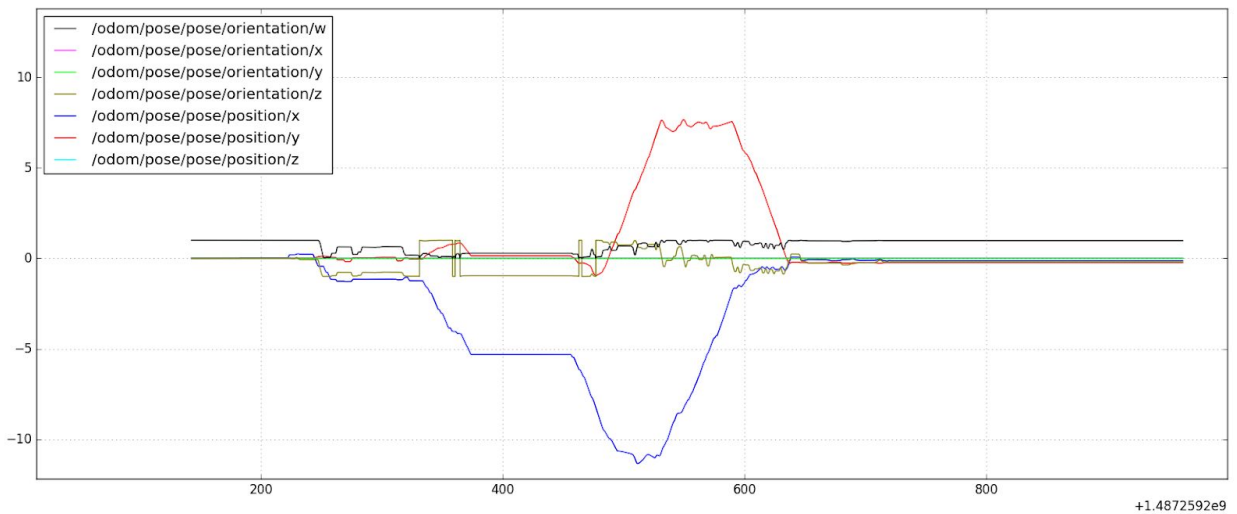
Using a state space of y vs θ since there are no landmarks along the wall to localize along x

Result at $t = 1s$ for space of θ ranging from 0-180 degrees, distance ranging from 0-18 and probability on the vertical axis after running `question1.py` (Python 2).



Question 3:

Result of running `rqt_plot` listening on the `/odom` topic



Result of running `reorder.py` to order the messages in the bag followed by running `question3.py` to plot locations of tag data after clustering alongwith odometry data from corresponding timestamps.

