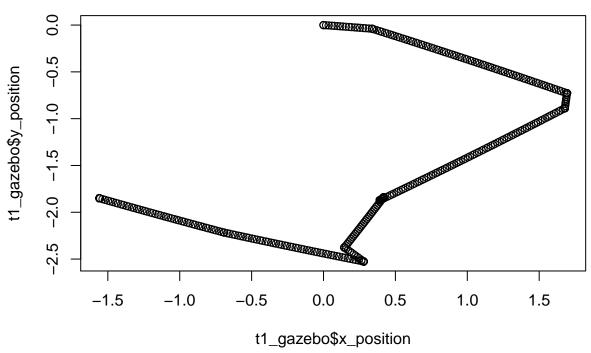
```
t1_gazebo <- read.csv(paste(params$data_dir, params$experiment_name, "turtlebot1_gazebo_odometry_filter
t1_continuous <- read.csv(paste(params$data_dir, params$experiment_name, "turtlebot1_continuous_odometr
t1_discrete <- read.csv(paste(params$data_dir, params$experiment_name, "turtlebot1_discrete_odometry_fi
t1_external_count <- read.csv(paste(params$data_dir, params$experiment_name, "turtlebot1_external_pose_
t1_gazebo$dist_from_origin <- sqrt(t1_gazebo$x_position ^ 2 + t1_gazebo$y_position ^ 2)

t1_discrete$x_error <- t1_gazebo$y_position - t1_discrete$x_position
t1_discrete$y_error <- t1_gazebo$y_position - t1_discrete$y_position
t1_discrete$dist_error <- sqrt(t1_discrete$x_error ^ 2 + t1_discrete$y_error ^ 2)

t1_continuous$x_error <- t1_gazebo$x_position - t1_continuous$x_position
t1_continuous$y_error <- t1_gazebo$y_position - t1_continuous$y_position
t1_continuous$y_error <- sqrt(t1_continuous$x_error ^ 2 + t1_continuous$y_error ^ 2)

#pdf(paste0(params$experiment_name, "_ground_truth_locations.pdf"))
plot(t1_gazebo$x_position, t1_gazebo$y_position)
title("Ground truth visited locations of robot")
```

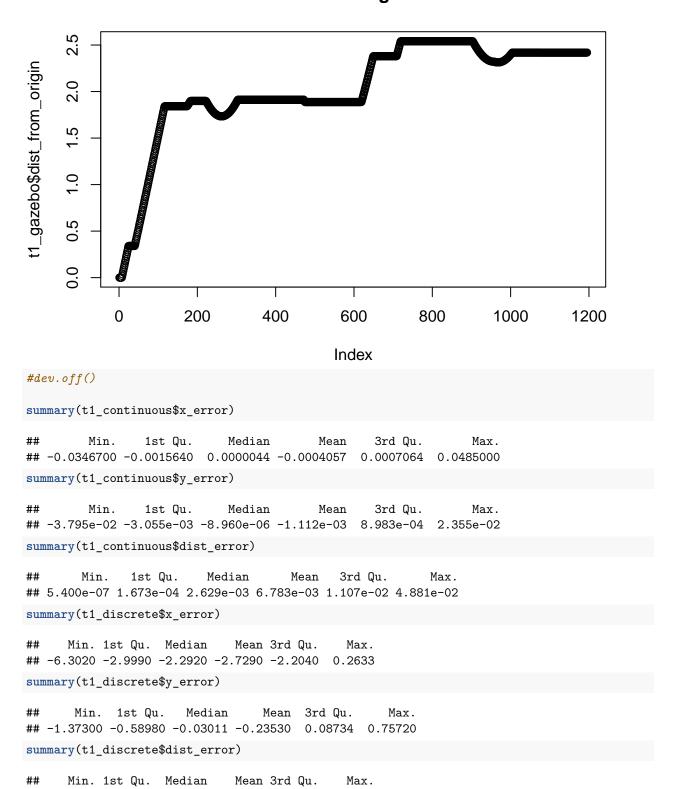
Ground truth visited locations of robot



```
#dev.off()

#pdf(pasteO(params$experiment_name, "_dist_from_origin.pdf"))
plot(t1_gazebo$dist_from_origin)
title("Distance from origin vs. time")
```

Distance from origin vs. time



6.347

3.182

2.295

2.866

##

0.000

2.207