two_mobile Turtlebot 1 Report

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This is a summary of the data from the two_mobile experiment, Turtlebot #1.

The runtime of this experiment was 1 hours, 59 minutes, and 3658.7 seconds.

Shown below is the summary of each filter's error for both x and y coordinates, and also the error in total distance.

```r
summary(t1_continuous$x_error)
```

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## -0.909900 -0.495100 -0.099610 -0.241000 -0.009936  0.190200
```

```r
summary(t1_continuous$y_error)
```

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## -0.487500 -0.158400 -0.007341 -0.011640  0.080130  0.526900
```

```r
summary(t1_continuous$dist_error)
```

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## 0.0000094 0.1185000 0.2275000 0.3341000 0.5529000 0.9607000
```

```r
summary(t1_discrete$x_error)
```

```
##     Min.  1st Qu.   Median     Mean  3rd Qu.     Max.
## -1.64400 -0.85840 -0.14190 -0.39460 -0.00673  0.47040
```

```r
summary(t1_discrete$y_error)
```

```
##     Min.  1st Qu.   Median     Mean  3rd Qu.     Max.
## -0.62500 -0.05521  0.07399  0.17540  0.36620  1.23300
```

```r
summary(t1_discrete$dist_error)
```

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## 0.0000094 0.1721000 0.3690000 0.6025000 0.8749000 1.8620000
```