Evaluating the detectionspace - statistical report

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##Introduction

This is the statistical report associated with the paper “Evaluating the detection space” by Milo Marsfeldt Skovfoged & Alexander Schiller rasmussen. The field of study lies in research on behalf of visually impaired/blind navigation through environments to find an ideal distance and Field of Detection (FOD) for the most progressive travel-route avoiding collisions as much as possible. This report gives an overview of how data for the study was gathered and analysed, in regrads to different points of interrest.

## Data information

Here goes the explanaion of our data in regards to what we logged and how is is structured.

## testID day Scenario FOD Range   
## Min. : 1.0 Min. :1 Min. : 1.00 Baseline : 60 Min. :1.000   
## 1st Qu.:105.8 1st Qu.:1 1st Qu.: 5.75 Corridor :180 1st Qu.:2.000   
## Median :210.5 Median :2 Median :10.50 WholeRoom:180 Median :3.000   
## Mean :210.5 Mean :2 Mean :10.50 Mean :2.714   
## 3rd Qu.:315.2 3rd Qu.:3 3rd Qu.:15.25 3rd Qu.:4.000   
## Max. :420.0 Max. :3 Max. :20.00 Max. :4.000   
## avgSpeed medianSpeed maxSpeed minSpeed objectDetected   
## Min. :0.3595 Min. :0.2511 Min. :1.243 Min. :0 Min. : 0.000   
## 1st Qu.:0.5723 1st Qu.:0.5986 1st Qu.:1.835 1st Qu.:0 1st Qu.: 6.000   
## Median :0.6434 Median :0.6898 Median :2.069 Median :0 Median : 8.000   
## Mean :0.6337 Mean :0.6842 Mean :2.078 Mean :0 Mean : 9.152   
## 3rd Qu.:0.7012 3rd Qu.:0.7587 3rd Qu.:2.318 3rd Qu.:0 3rd Qu.:12.000   
## Max. :0.9803 Max. :1.2506 Max. :2.988 Max. :0 Max. :28.000   
## objectCollisions Time totalTimeTraining timeFDRtrain   
## Min. :0.000 Min. : 8.016 Min. : 18 Min. : 10.00   
## 1st Qu.:0.000 1st Qu.:12.136 1st Qu.:1737 1st Qu.: 77.75   
## Median :1.000 Median :13.625 Median :3154 Median :145.50   
## Mean :1.124 Mean :13.971 Mean :3090 Mean :147.41   
## 3rd Qu.:2.000 3rd Qu.:15.160 3rd Qu.:4522 3rd Qu.:213.25   
## Max. :6.000 Max. :25.143 Max. :5868 Max. :347.00   
## timeFDtrain timeDtrain   
## Min. : 11.0 Min. : 11.0   
## 1st Qu.: 171.5 1st Qu.: 507.5   
## Median : 360.0 Median : 997.5   
## Mean : 391.1 Mean :1004.4   
## 3rd Qu.: 604.0 3rd Qu.:1492.2   
## Max. :1031.0 Max. :2182.0

Here goes exlanation of the plot:

## This is a new section headline