

UNLV Project, indoor mouvement prediction

The goal of this dataset is to be able to predict wether or not a person will go in another room.

Based on the sensor values and the output value. If the output value is +1 it means that the test subject is changing is location. If the ooutput is -1 it means that he is staying in his room.

Paths 1 : +1 2 : -1 3 : -1 4 : -1 5 : +1 6 : -1

Group 1 : 1 - 2 - 4 - 5 - 6

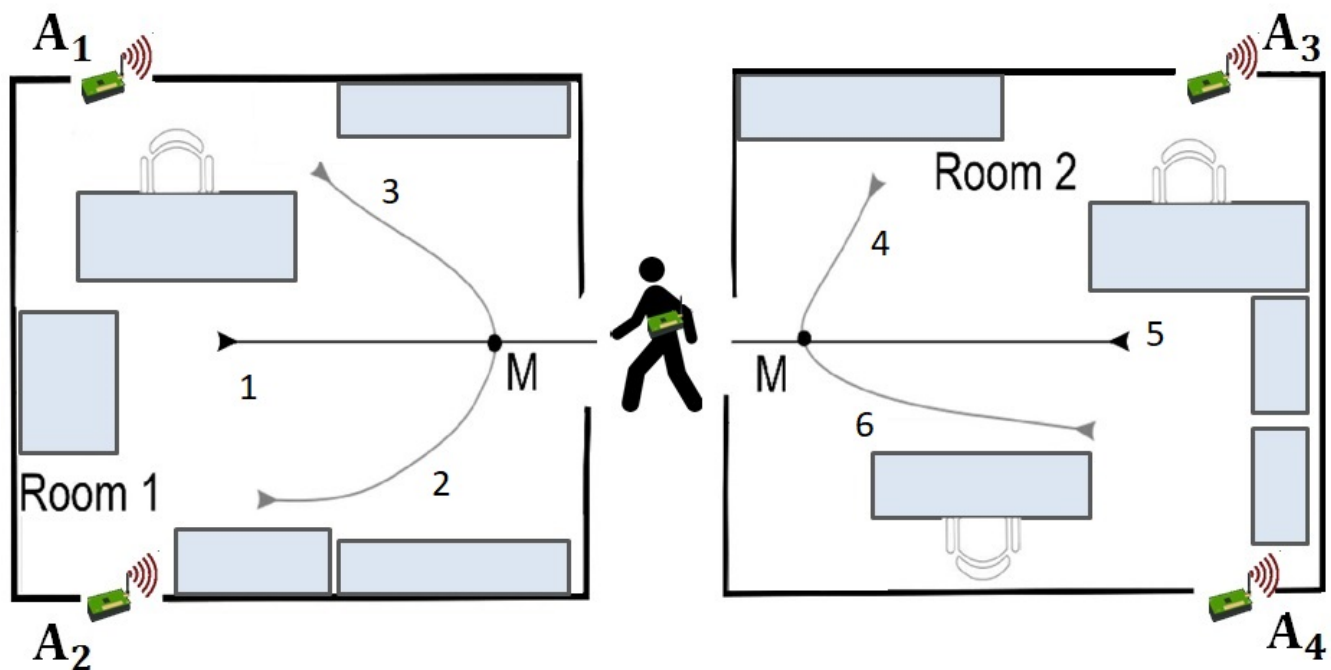
Group 2 : 1 - 2 - 3 - 4 - 5 - 6

Group 3 : 1 - 2 - 3 - 4 - 5 - 6

Problem with the dataset

The dataset made in experimental conditions.

the scientific protocol used in this experiment, is based on the hypothesis that to walk out of a room you have to come from the center from it.



We can see in this picture only 6 different paths, but only the path 1 and 5 lead to a change of context (going to room 1 to 2). Yet in real life conditions, every path can lead to a change of context because you don't need to come from the center of the room to walk through the door.