SIT107 - Software Engineering 1: Connecting The Cyber And Physical Worlds: Data Document

What is this document?

This document describes the raw data in MotionDataT3_3.xlsx. This data was captured from a PIR motion sensor in John Doe's bathroom.

Data Conventions & Units

TIMESTAMP

dd/mm/yy hh:mm:ss

STATE

Whether the motion sensor was in an 'Active' or an 'Inactive' state.
The raw data has records for whenever the Motion State changed in the bathroom.

For example, when John went to the bathroom on 01/01/2017 at 10:00:00 , the State would record an 'Active' state and will stay in that state until John left the bathroom at 10:15:00. This would be recorded in the data as:

TIMESTAMP	STATE
01/01/17 10:00:00	Active
01/01/17 10:15:00	Inactive

On the same day, John visited the bathroom again at 14:00:00 and stayed there until 14:05:30. This is recorded in the data file as:

01/01/17 14:00:00	Active
01/01/17 14:05:30	Inactive

Duration of Data Collection

Motion data sensing commenced at 01/01/17 10:00:00 and proceeded until
06/01/17 22:21:50.

Context

The motion sensor was attached to the wall in the bathroom, and its' range covered the sink and the shower. Therefore, any activity that took place near the sink and the shower would be recorded. The participant was John Doe. John lived by himself during the data collection duration.