**69.Activities of Daily Living (ADLs) Recognition Using Binary Sensors**

1. 数据库网址

https://archive.ics.uci.edu/ml/datasets/Activities+of+Daily+Living+(ADLs)+Recognition+Using+Binary+Sensors

2. 数据库描述

【1.[数据集名称]数据集由[机构名或人名]采集；】The data used in our experiments were collected by Francisco Javier Ord, Carlos III University of Madrid.【2.用于[什么实验目的]】We used to classify the sensor events captured for the corresponding Wireless Sensor Network.【3】This dataset comprises information regarding the ADLs performed by two users on a daily basis in their own homes. This dataset is composed by two instances of data, each one corresponding to a different user and summing up to 35 days of fully labelled data. Each instance of the dataset is described by three text files, namely: description, sensors events (features), activities of the daily living (labels). Sensor events were recorded using a wireless sensor network and data were labelled manually.【4】The database has 2747 samples, respectively belong to training with 2400 samples and testing with 347 samples. The categories include two categories, as shown in Table 1.

Table 1 Category Distribution of dataset [根据数据库绘制]

|  |  |  |  |
| --- | --- | --- | --- |
| Categories | Training | Testing | Total Number of Samples |
| A | 1000 | 373 | 1373 |
| B | 1000 | 374 | 1374 |
| Total number of samples in total | 2000 | 747 | 2747 |

3. 精简描述

The Data in our experiment were collected by Francisco Javier Ord, Carlos III University of Madrid. The dataset includes have 2747 samples, which used to classify the sensor events captured for the corresponding Wireless Sensor Network. Through which, we divided the dataset into two part, training data set with 2000 samples and forecasting data set with 747 samples.