

Name of the competing system: Activity recognition system using non-intrusive devices through a complementary technique based on discrete methods

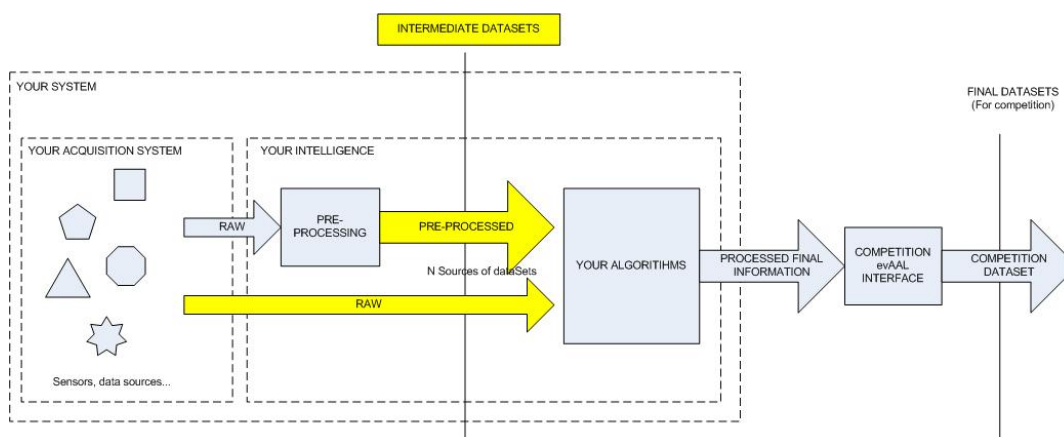
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Date and place: 07/09/2013, Seville, Spain

EvAAL 2012 Intermediate DataSet questionnaire:

The purpose of this document is to collect information about the “Intermediate Data” of your system. evAAL Competition is promoting the publication of such information during the competition tests so they can be used together with Final Datasets for research purposes.

The following diagrams shows what do we mean by Intermediate DataSets. Each competitor may identify their own subcomponents in the building blocks below. Intermediate datasets are RAW data or Pre-processed data that you use as a input for your algorithms in order to create the final processed information which in the end is the final goal of your system.



1. How many Intermediate Data sources do you have? 1
2. For each datasource (replicate this table as many times as you need for each data source):

Name	<i>Acceleration</i>
Description of the information measured	<i>Sensor acceleration provided by 3 accelerometers</i>
Units	<i>Acceleration (m/s²)</i>
Example values	<i>1.56, 9.8, 9.31</i>
Frequency of generated data in operation	<i>Acceleration is generated every 50ms.</i>

Name	<i>Barometer</i>
Description of the	<i>Sensor barometer provided by 1 barometer</i>

information measured	
Units	<i>Altitude (m)</i>
Example values	<i>2.14, 1200.4, 5.81</i>
Frequency of generated data in operation	<i>Altitude is generated every 50ms.</i>

3. After, for instance, 30 minutes operation you generate the following data sets (this is the information you will finally provide to EvAAL together with this questionnaire in a format that must be agreed before the competition). Please provide information about the files with data (examples are, text file, or video) and format (suggested format is text file in cvs format, where each line contains the entire set of samples collected at a given time. Each line should contain all the data that you use to produce your output, each separated by a comma).

- *An array of arrays that include: [activity, statistical values], every 3sec.*

Files:

- *A file containing this samples in xls format.*

4. **NOTE: This question will be answered after the competition.** List of devices and position in Living Lab physical space (add as many rows as you need):

Device name	Type	Position in LLab (x,y,z) in meters	Position in user	Input	Output	Communication means to your system
<i>Accelerometer</i>	<i>Accelerometer</i>	-	<i>Left side hip</i>	<i>Person moves</i>	<i>Acceleration X,Y,Z [0G,20G]</i>	<i>Embedded</i>
<i>Barometer</i>	<i>Barometer</i>	-	<i>Left side hip</i>	<i>Person moves</i>	<i>Altitude</i>	<i>Embedded</i>

For information about this questionnaire contact DataSet Management Chair, Stefano Chessa (ste@di.unipi.it) or your competition contact: Paolo Barsocchi (paolo.barsocchi@isti.cnr.it) or Juan Antonio Alvarez (jaalvarez@us.es).