Paper Commentary Exercise

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1 Simultaneous Tracking Activity Recognition (STAR) Using Many Anonymous, Binary Sensors

Pros:

1. Use only simple sensors like motion, pressure detectors instead of complicated, expensive ones to get a result.

2. This work is highly applicapable and has great commercial value.

3. It uses only filters with little training but does well in practice.

Cons:

It can not classify complicated activities.

2 Online activity recognition using evolving classifiers

Pros:

1. Using methods that works well on activity recognition in a growing data.

2. Inherit many previous works trying on huge various of methods.

3. Using only binary sensors to do on this work.

Cons:

Using an unbalanced dataset.

3 Human Activity Recognition from Basic Actions Using Finite State Machine

Pros:

1. Using method that differs from probabilistic models and pattern recognitions to get good performance on activity recognition.

2. Quite a simple way to do on the task.

3. Transform the task from detecting activities to sub-activities.

Cons:

The author doesn't explain well how to get sub-activities from the video data.