

SA³L – Mining Behaviour

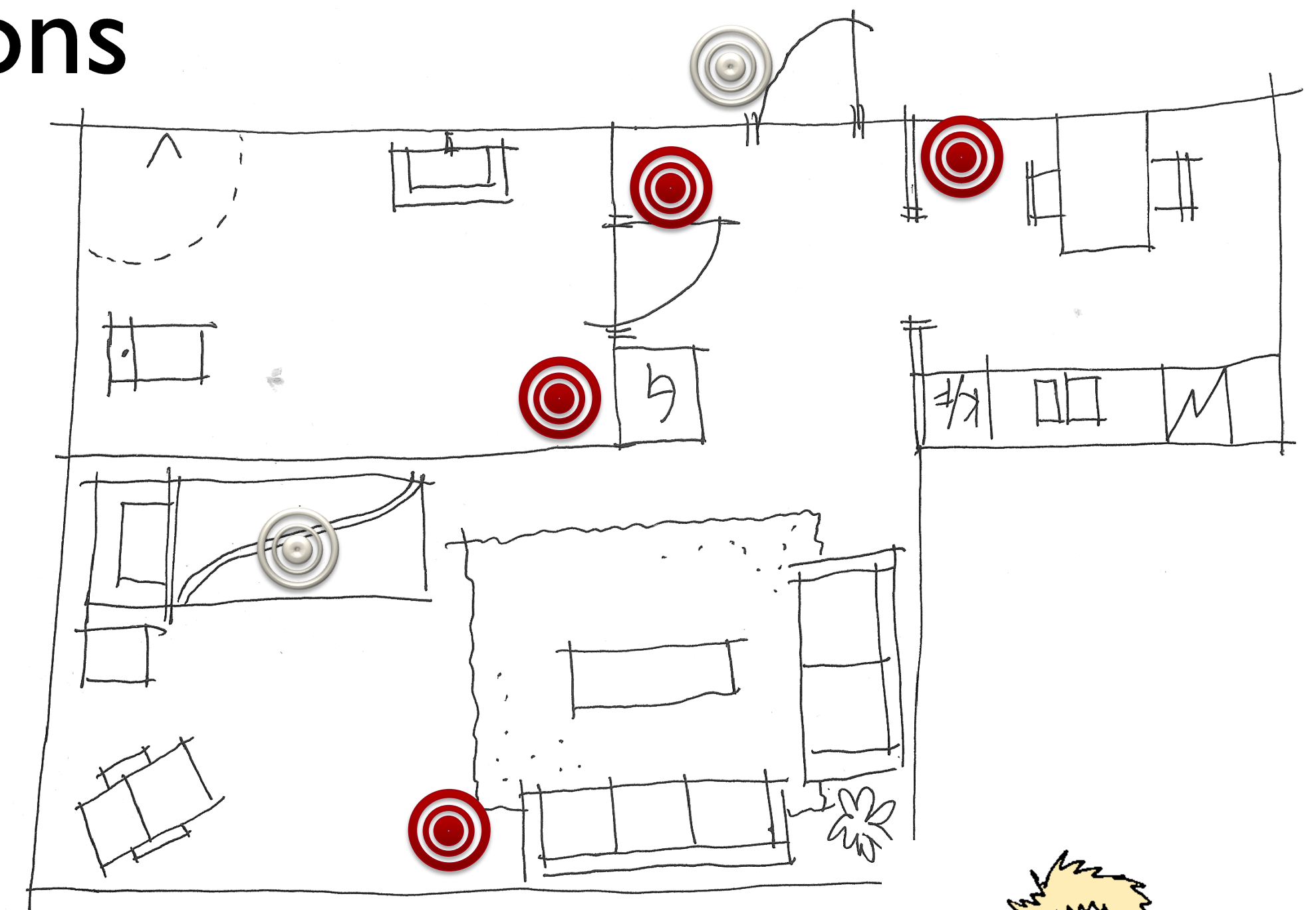
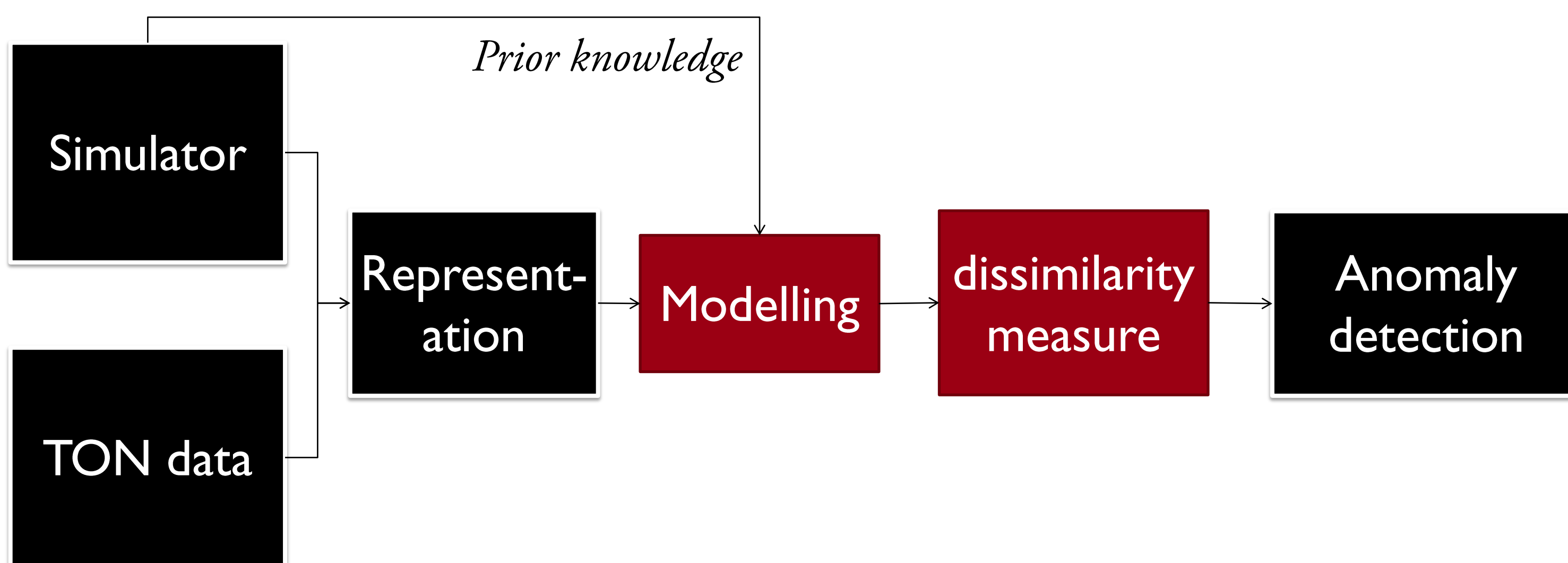
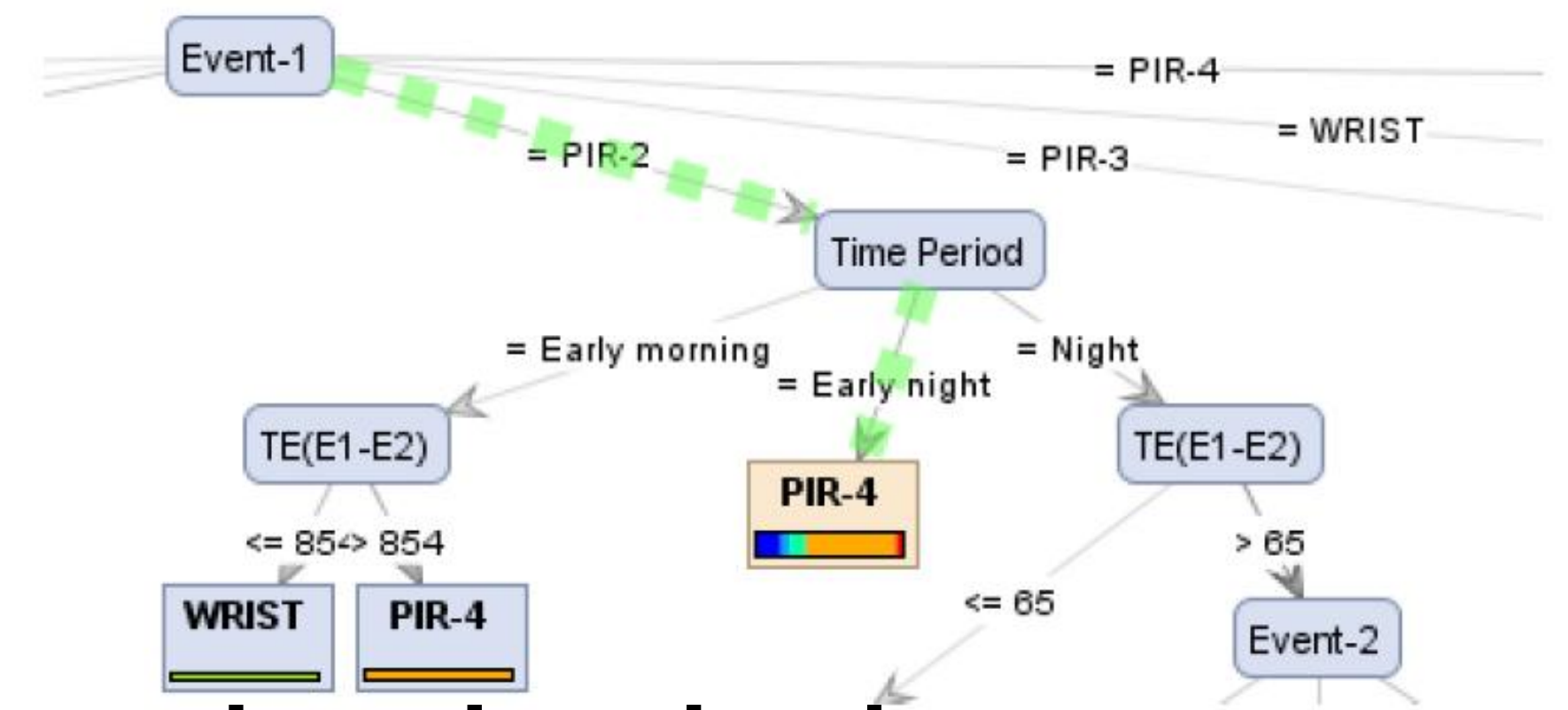
Situation Awareness for Ambient Assisted Living

CAISR Centre for Applied Intelligent Systems Research

Knowledge Foundation <<

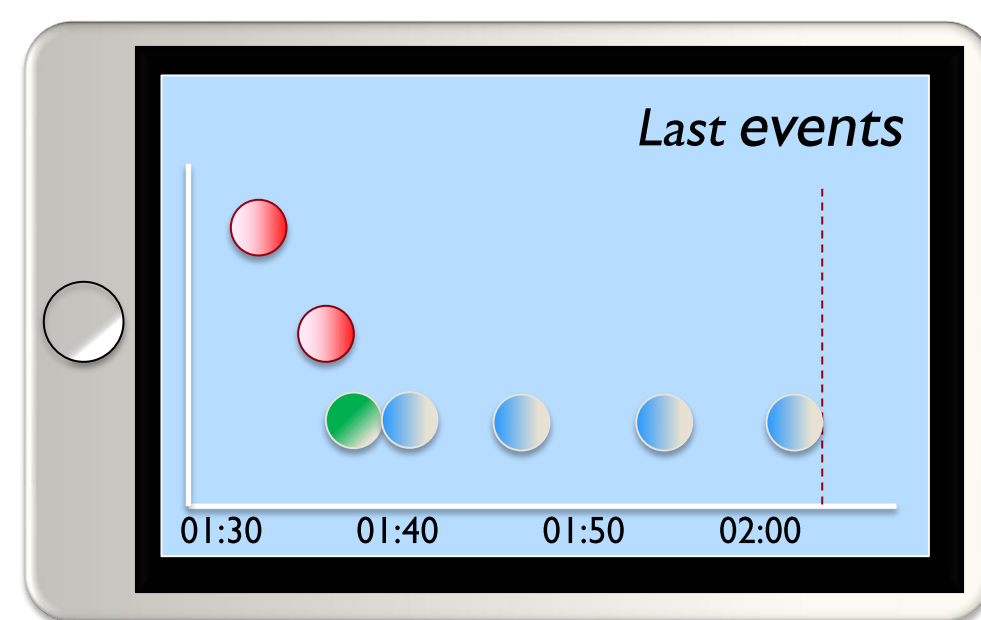
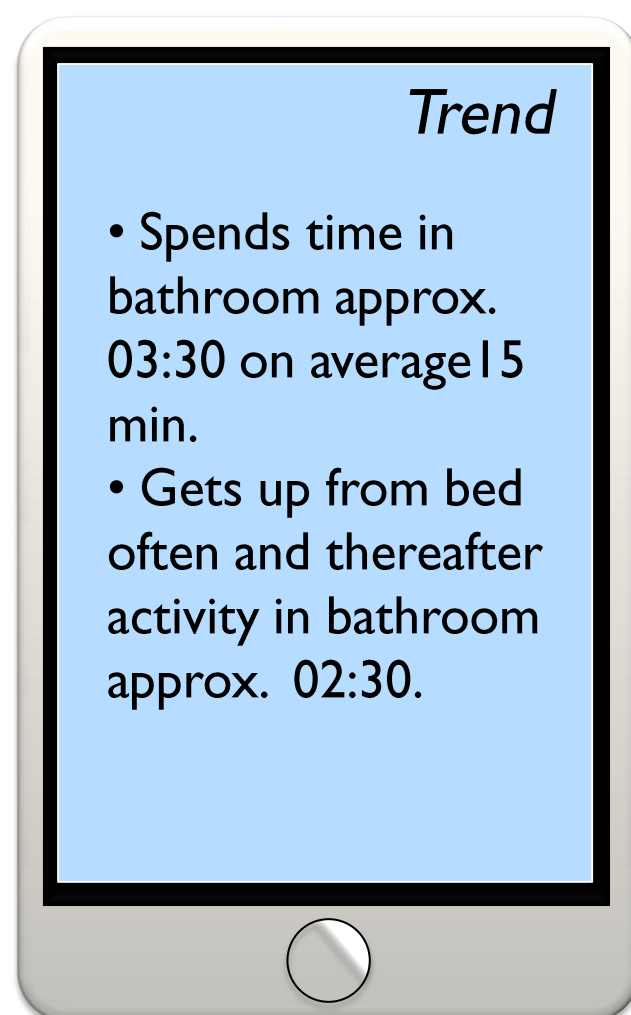
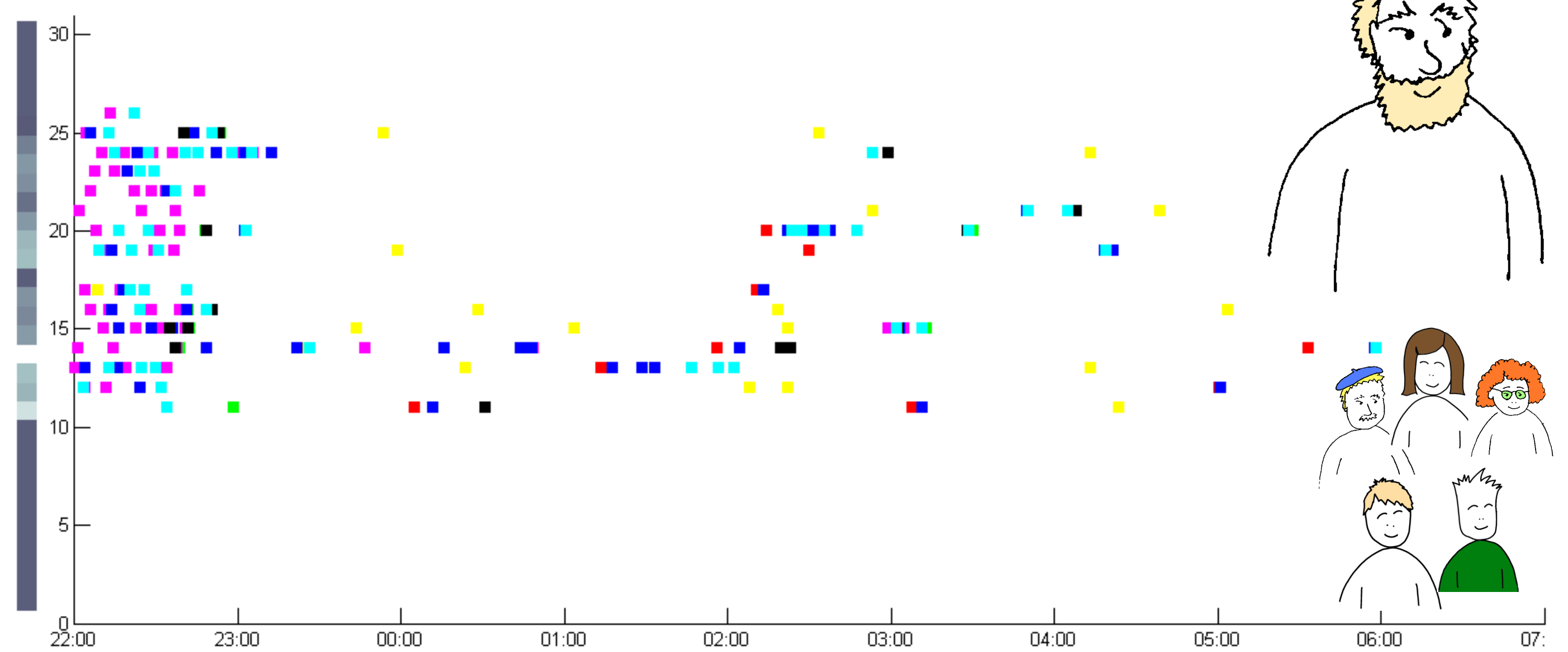
Develop methods and tools for

- Answering queries
- Detecting deviations of behaviour
- Generalizing easily over different homes and individuals
- Processing online data streams
- Robust recognition of dangerous situations



Problem characteristics:

- Sparse data
- Changing environments
- Integrity issues
- Unbalanced classes



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Keywords: temporal data mining, predictive healthcare, detect significant patterns, long-term monitoring, decision support, optimization, activity recognition.