Phases of understanding the self
1) Anecdotal Self; 2) Diarizing Self; 3) Quantified Self; 4) Objective Self.
The quantified self movement is an important step in introducing a scientific framework to help understand an individual based on continuously collected data.

Architecture
As the number and ubiquity of sensors and mobile devices continue to increase, the need for computational methods to analyze the avalanche of heterogeneous sensor data and derive objective self will grow. In fact, novel information processing architectures and platforms should be developed to enable the handling of multimodal data streams from heterogeneous sources.

Life Event and Personicle
- $N$ data streams $S_1, S_2, ..., S_N$ each coming from a heterogeneous source of information.
- Divided into chunks of equal length, called time window $T_i$.
- Convert measurements to attributes using a mapping function: $a_i = F(m_i)$

Challenges
- How does one explore and identify relevant models within multimodal data?
- How does one seed such exploration? Where does one start an exploration of this fashion?
- How can one represent multimodal data to support and facilitate exploration and model identification.
- How does one formulate a model that matches relevant instances in the data and can this formulation support insight discovery?