

























14

LaPlaCE choices

- Formal model helping behavior understanding and explaining behavior differences
- Context management: flexible number of dimensions (considered independent)
- Start time learning and representation
 - Consider with behavior learning for stream processing
- Evolution of patterns
 - Adaptive windows from stream processing
- Learning activity ordering
 - Frequent sequence mining















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ContextAct@A4H dataset

- 200+ variables
- 28 days of data (7 in summer and 21 in fall)
- 473 011 tuples of data in change point representation
- 397 activity observations
- Context variables: weather, temperature, noise, humidity, visitors (among others)

Key role for experimentation and research validation

Contextual behaviour patterns learning and analysis

