SmartD: Smart Meter Data Analytics Dashboard for Energy Consumption Behavior Analysis

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How can we benefit from them? How can we get the most out of them?

1. From context to key customer characteristics

We answer: which customer characteristics define energy consumption on a certain context?

- summer, weekdays
- summer, weekend
- winter, Monday

context

floor area

dryer usage

#children

key characteristics

2. From customer characteristics to load profiles

We answer: how does the load profile of a customer with some specific characteristics look like?

- floor area: 1000 sq. ft.
- dryer usage: once a day
- #children: 1

load profile

3. From context to load profiles

We answer:

- how do the customers’ load profiles: ★ on a certain context, ★ on different temporal aggregations, ★ compared to the other customers, ★ in the near future, look like?
- how are their energy consumption distribution look like?

load profiles

start/end time

context

aggregation

comparison

one or more cust.

histogram

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