

## Overview of the results of the household CHR49 Family with 1 child, without work 0

Calculation Time

Freitag, 1. Januar 2016 - Sonntag, 1. Januar 2017

Energy Intensity: Random

Seed 692

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:32:38

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## Totals

### Totals for each Loadtype

| Load Type   | Value    | Unit |
|-------------|----------|------|
| Cold Water  | 31095.80 | L    |
| Electricity | 3800.11  | kWh  |
| Warm Water  | 95889.03 | L    |

### Totals for each Loadtype per Day

| Load Type   | Value  | Unit |
|-------------|--------|------|
| Cold Water  | 84.96  | L    |
| Electricity | 10.38  | kWh  |
| Warm Water  | 261.99 | L    |

### Minimum and Maximum for each Loadtype

| Household   | Minimum | Maximum  | Unit  |
|-------------|---------|----------|-------|
| Cold Water  | 0.00    | 11.73    | L/Min |
| Electricity | 1.11    | 10243.61 | Watt  |
| Warm Water  | 0.00    | 16.43    | L/Min |

### Totals for each Loadtype per Person

| Load Type   | Value    | Unit |
|-------------|----------|------|
| Cold Water  | 10365.27 | L    |
| Electricity | 1266.70  | kWh  |

|            |          |   |
|------------|----------|---|
| Warm Water | 31963.01 | L |
|------------|----------|---|

**Totals for each Loadtype per Person per Day**

| Load Type   | Value | Unit |
|-------------|-------|------|
| Cold Water  | 28.32 | L    |
| Electricity | 3.46  | kWh  |
| Warm Water  | 87.33 | L    |

## Persons

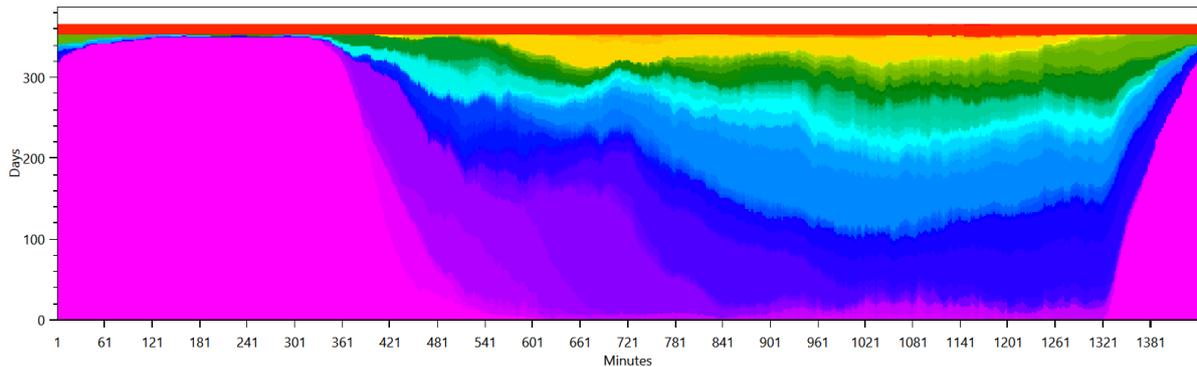
- HH0
  - CHR49 March (37/Female)(37/Female)
  - CHR49 Michelle (13/Female)(13/Female)
  - CHR49 Wilhelm (45/Male)(45/Male)

# Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

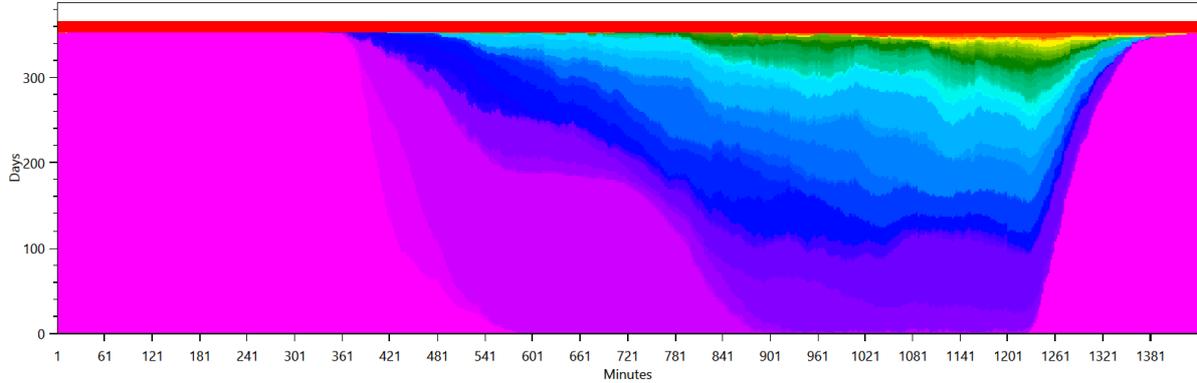
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR49 March (37 Female)



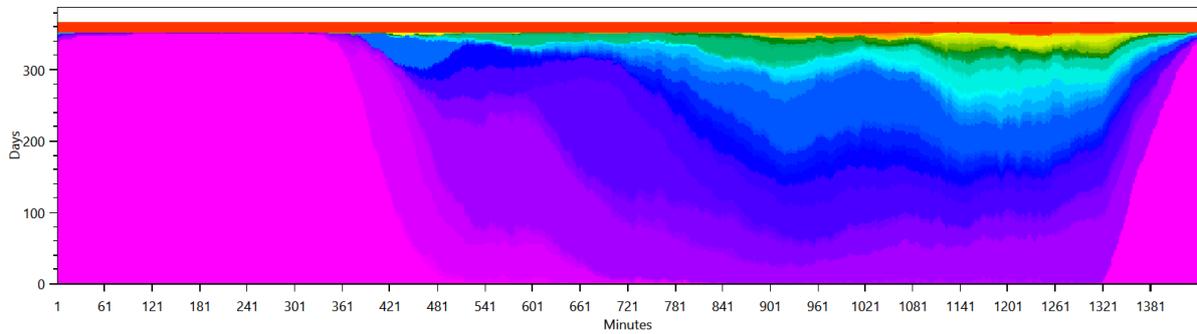
- sleep bed 02 (08 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- go to the toilet
- play board games (1 h)
- take a shower without hair washing (women)
- eat breakfast (1 h)
- take a nap
- rest for 10 min
- bake a cake
- go shopping (4 h)
- play a puzzle game
- read a book on the couch all the time
- watch sports on TV with SAT Receiver (2 h)
- make fondue and eat it
- get ready in the morning (women)
- take a shower with hair washing (women) (20 min hair drying)
- do laundry at 30°C (by variable)
- paint a picture
- watch a movie for 1 h 30 min with home cinema system
- run the dryer with wet laundry, only below 15°C (by variable)
- read a book on the couch only 9:00 to 22:00
- use the laptop for Internet, Movie, Music, News (2 h)
- make roulades and eat them
- watch the news
- use the laptop (1 h)
- heat up leftovers
- watch TV (1 h)
- take a shower with electric air heater
- listen to music on compact hifi (2 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- cook food with steam cooker and eat it
- watch a movie for 2 h
- cook food with a deep fryer and eat it
- do laundry at 60°C (by variable)
- cook food with rice and eat it
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- make soup
- take a shower with hair washing (women) (5 min hair drying)
- use the laptop (1.5 h)
- make mashed potatoes and eat them
- cook a sunday feast with extractor hood and eat it
- microwave frozen meal and eat it
- watch a movie for 2 h with home cinema system
- cook pasta and eat it
- go to a bar (4 h)
- watch a movie for 1 h 30 min
- make custom pizza and eat it
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- fry two eggs and eat them with toast
- eat small breakfast (25min) interrupting subaff, no alarm
- make frozen pizza and eat it
- eat a cooked meal (interrupting) (make roulades and eat them)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- do garden work every day
- hang up laundry outside only above 15°C (by variable)
- make and drink tea (15 min)
- read a newspaper for 30min
- take nap on the weekend (2 h)
- read a magazine
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- eat a cooked meal (interrupting) (heat up leftovers)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- taking a vacation
- eat a cooked meal (interrupting) (make soup)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)

## HH0 - CHR49 Michelle (13 Female)



- sleep bed 03 (10 h) Child
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- go to grammer school
- go to the toilet
- take a shower with hair washing (women) (20 min hair drying)
- watch a movie for 2 h with home cinema system
- read a book on the couch only 9:00 to 22:00
- microwave frozen meal and eat it
- play board games (1 h)
- get ready in the morning (children)
- eat small breakfast (25min) interrupting subaff, no alarm
- watch a movie for 1 h 30 min with home cinema system
- take a shower without hair washing (women)
- use the laptop (1.5 h)
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- take a nap
- read a book on the couch all the time
- paint a picture
- use the laptop for Internet, Movie, Music, News (2 h)
- take a shower with hair washing (women) (5 min hair drying)
- use the laptop (1 h)
- watch a movie for 1 h 30 min
- play a puzzle game
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- make soup
- read a book (1 h)
- listen to music on compact hifi (2 h)
- make frozen pizza and eat it
- watch TV with someone (watch a movie for 2 h with home cinema system)
- watch TV with someone (watch TV (1 h))
- watch TV (1 h)
- eat a cooked meal (interrupting) (heat up leftovers)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- heat up leftovers
- watch TV with someone (watch a movie for 1 h 30 min)
- watch sports on TV with SAT Receiver (2 h)
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- watch a movie for 2 h
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- watch TV with someone (watch the news)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- eat a cooked meal (interrupting) (make fondue and eat it)
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- eat a cooked meal (interrupting) (make soup)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- make and drink tea (15 min)
- read a magazine
- eat a cooked meal (interrupting) (make roulades and eat them)
- take nap on the weekend (2 h)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- taking a vacation

## HH0 - CHR49 Wilhelm (45 Male)



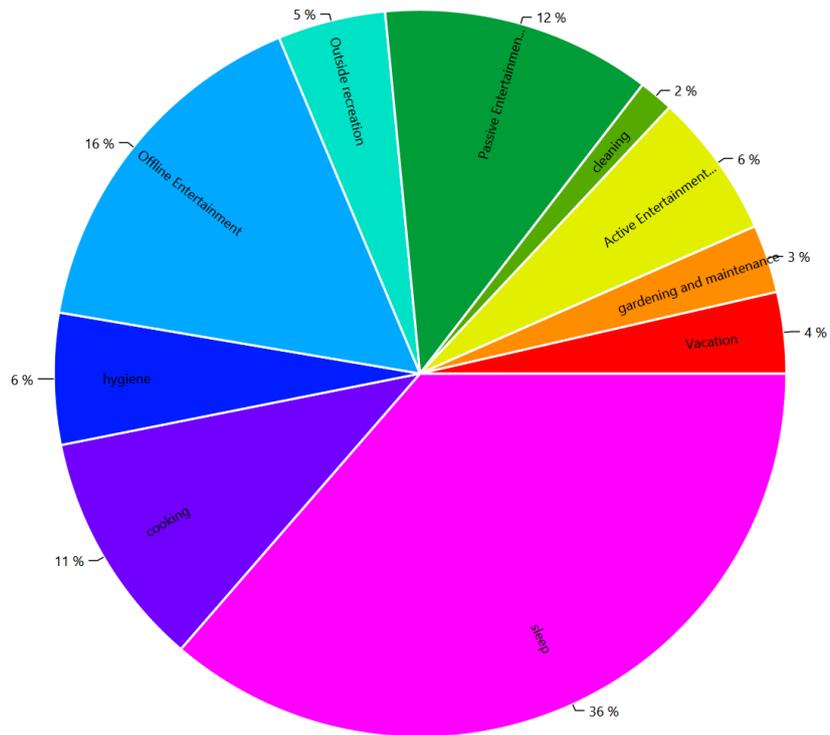
- sleep bed 08 (08 h)
- get ready in the morning (men)
- eat breakfast (1 h)
- take a shower (men)
- go to the toilet
- use the laptop for Internet, Movie, Music, News (2 h)
- rest for 10 min
- use the laptop (1 h)
- play board games (1 h)
- take a nap
- use the laptop (1.5 h)
- read a book on the couch all the time
- make frozen pizza and eat it
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- go shopping for food in the supermarket (1.5 h)
- paint a picture
- watch a movie for 2 h with home cinema system
- eat a cooked meal (interrupting) (make roulades and eat them)
- play a puzzle game
- read a book on the couch only 9:00 to 22:00
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- watch a movie for 1 h 30 min with home cinema system
- make mashed potatoes and eat them
- cuddle and sleep (take a nap)
- make fondue and eat it
- clean the bath
- cook food with steam cooker and eat it
- watch TV with someone (watch a movie for 2 h with home cinema system)
- cook pasta and eat it
- vacuum the household
- visit the cinema
- make soup
- watch TV with someone (watch the news)
- listen to music on compact hifi (2 h)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- cook a sunday feast with extractor hood and eat it
- go to museum (3 h)
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- fry two eggs and eat them with toast
- heat up leftovers
- cook food with a deep fryer and eat it
- watch TV with someone (watch TV (1 h))
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- make and drink tea (15 min)
- watch sports on TV with SAT Receiver (2 h)
- take nap on the weekend (2 h)
- eat a cooked meal (interrupting) (make soup)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- make custom pizza and eat it
- watch the news
- microwave frozen meal and eat it
- eat a cooked meal (interrupting) (cook pasta and eat it)
- make custom pizza and eat it
- watch TV with someone (watch a movie for 1 h 30 min)
- watch TV with someone (watch a movie for 2 h)
- cook food with rice and eat it
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- make roulades and eat them
- eat small breakfast (25min) interrupting subaff, no alarm
- watch TV with someone (watch a movie for 1 h 30 min)
- eat a cooked meal (interrupting) (heat up leftovers)
- eat a cooked meal (interrupting) (eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it))
- watch a movie for 1 h 30 min
- read a newspaper for 30min
- read a magazine
- watch TV (1 h)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- watch a movie for 2 h
- eat a cooked meal (interrupting) (make fondue and eat it)
- taking a vacation
- bake a cake
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- read a book (1 h)

# Activity Distribution per Person

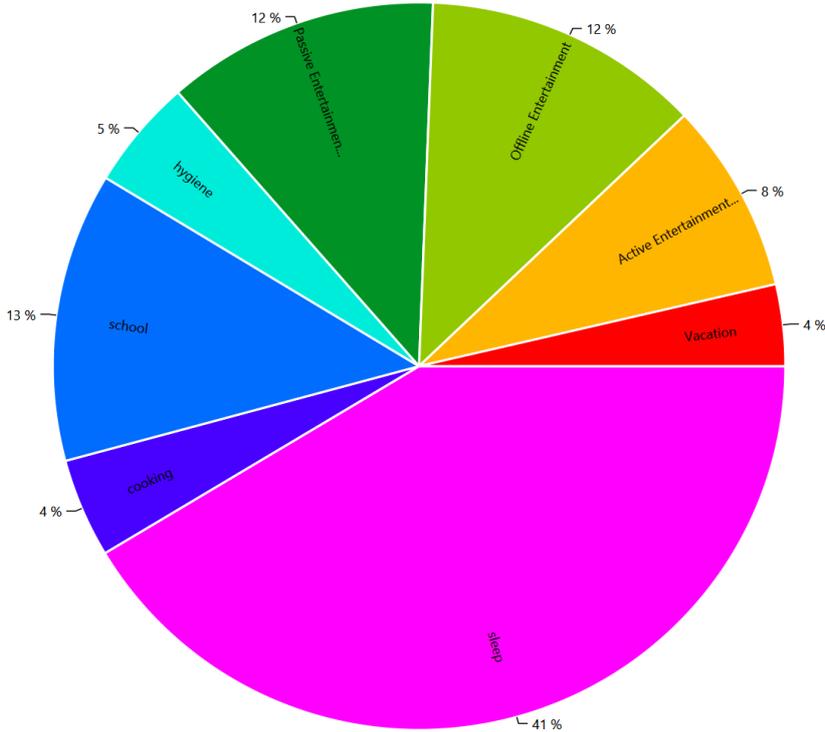
This is made from the files starting with: ActivityPercentage

This shows the distribution of the activities, grouped by the affordance AffordanceToCategories.

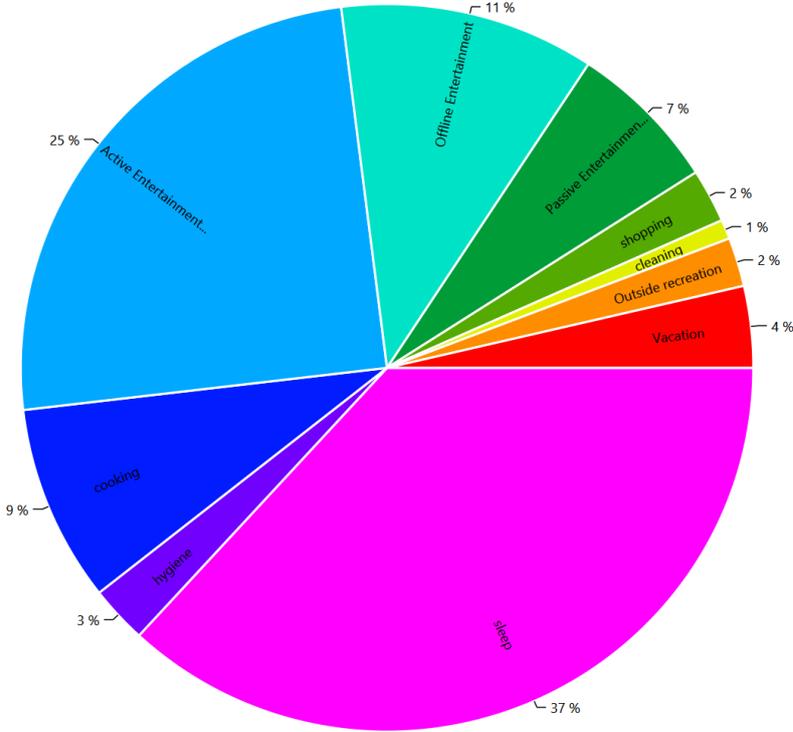
HH0 - CHR49 March (37 Female)



HH0 - CHR49 Michelle (13 Female)



HH0 - CHR49 Wilhelm (45 Male)

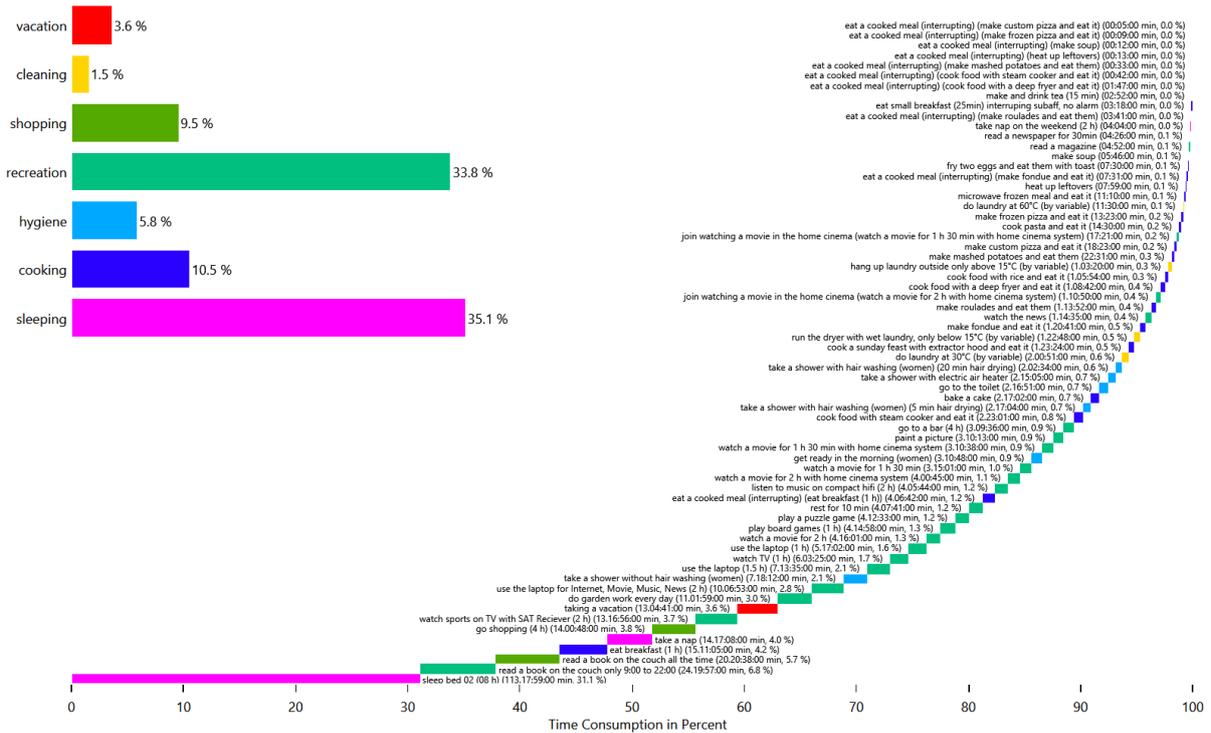


# Time Use per Person per Affordance Per Person

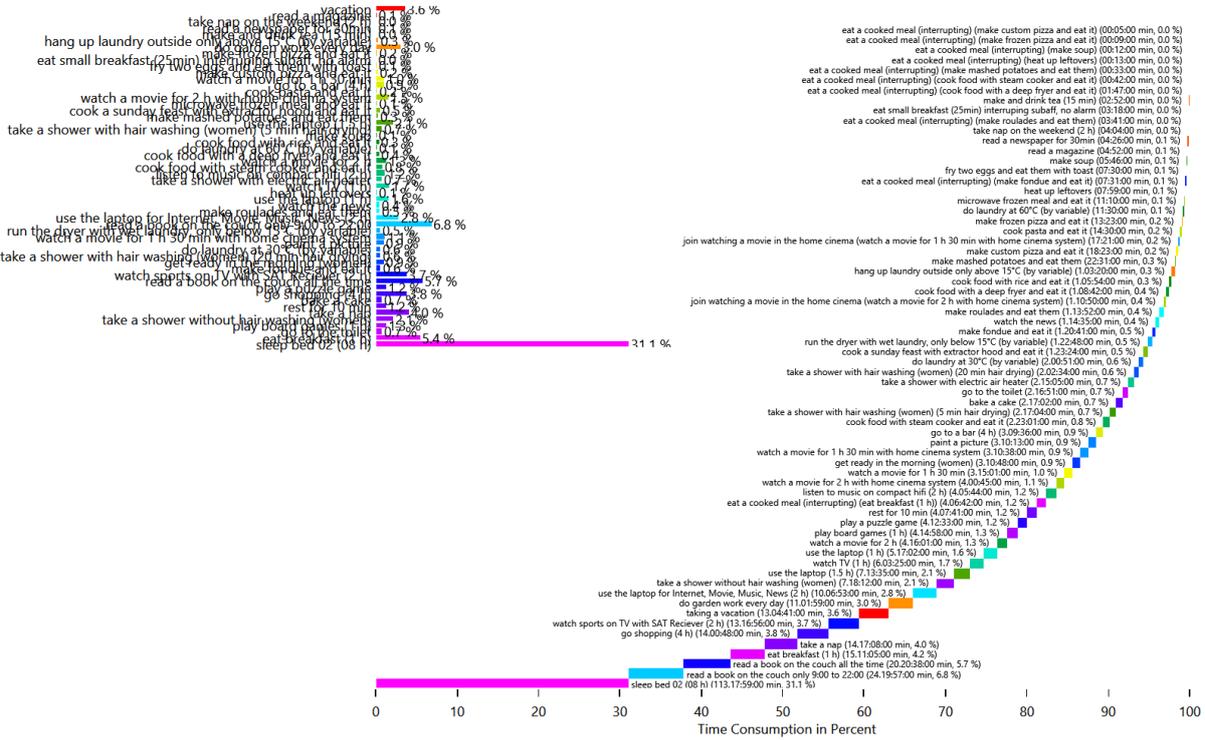
This is made from the files starting with: AffordanceTimeUse

These charts show how the people in the household use their time. This shows the individual affordances to help find problems in the household definition.

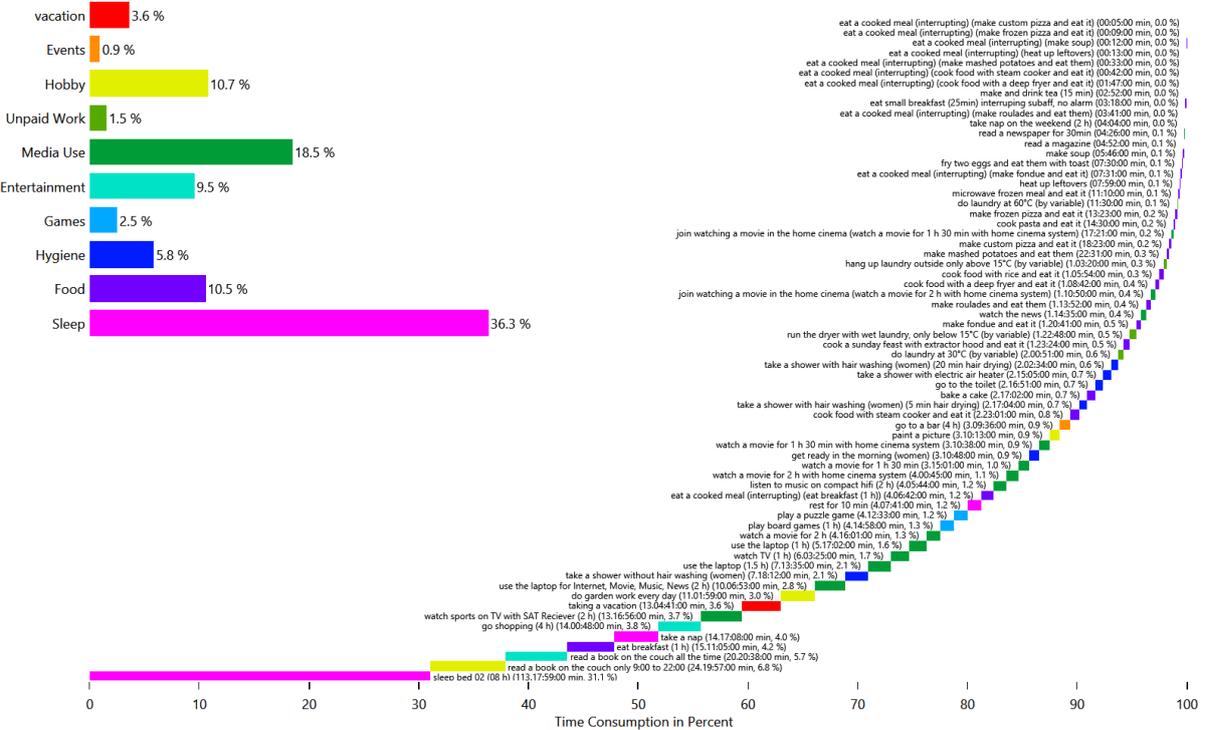
## HH0 - CHR49 March (37 Female)



# HH0 - CHR49 March (37 Female)

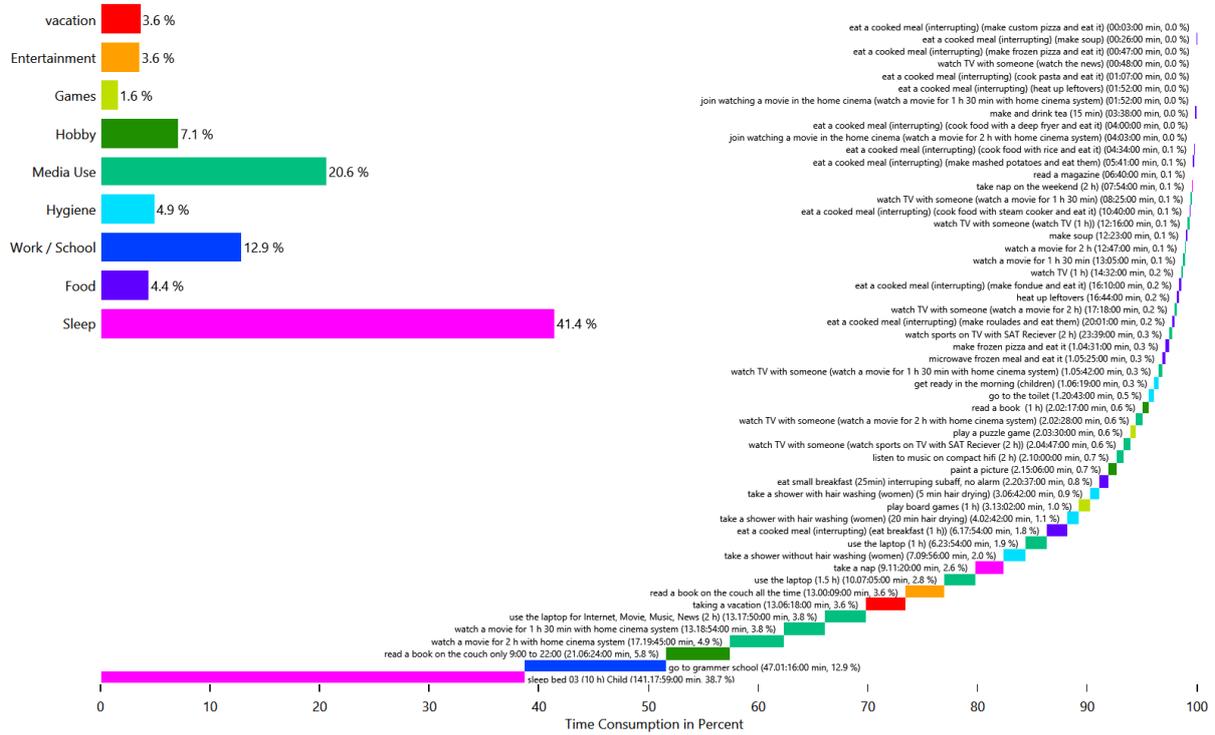


# HH0 - CHR49 March (37 Female)

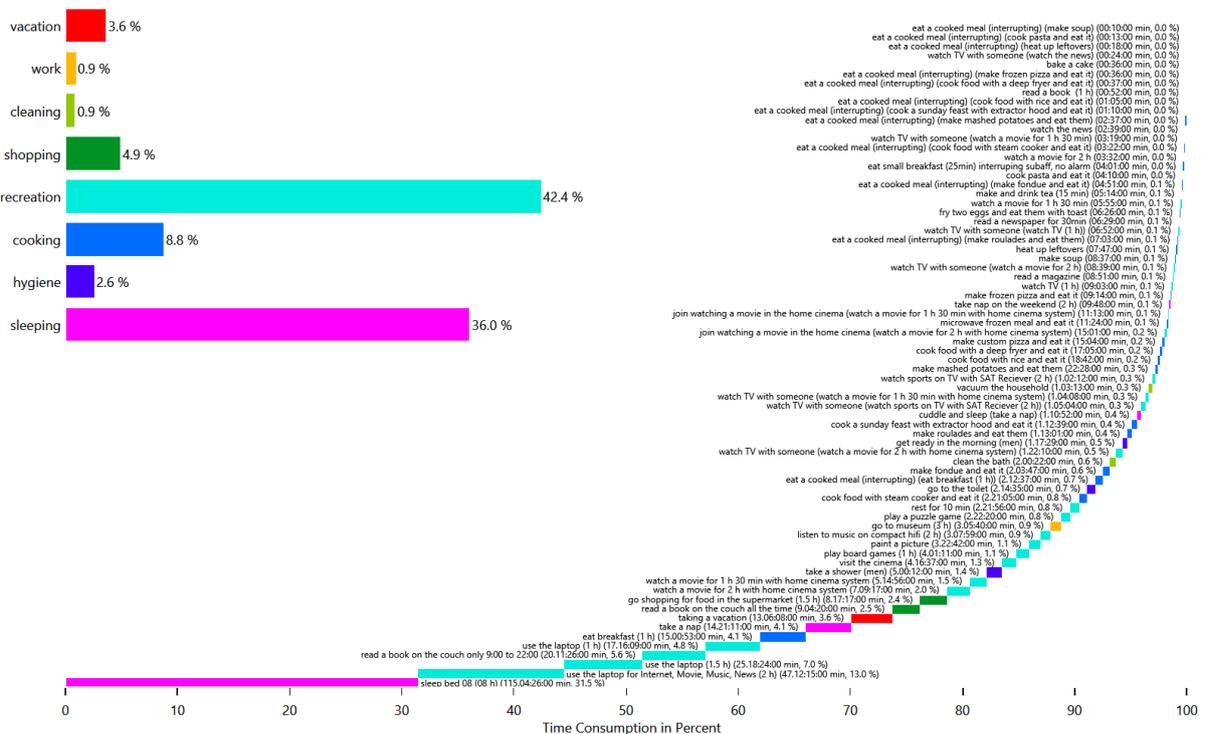




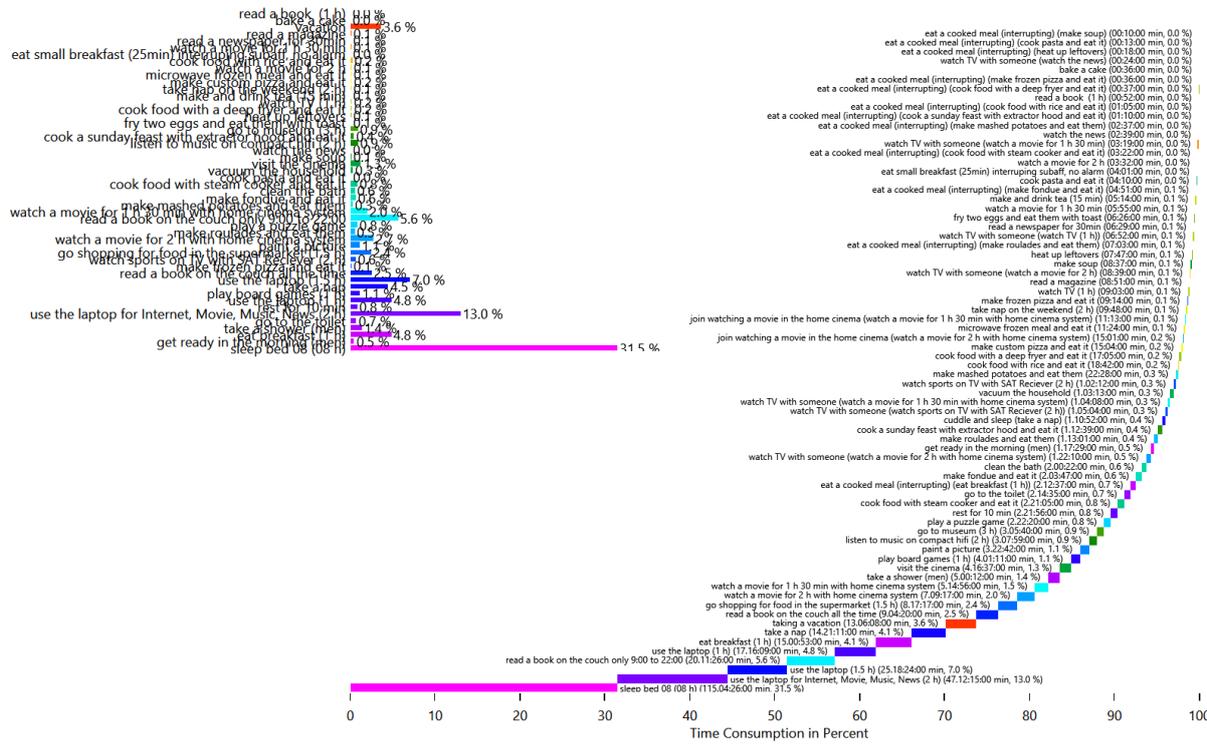
## HH0 - CHR49 Michelle (13 Female)



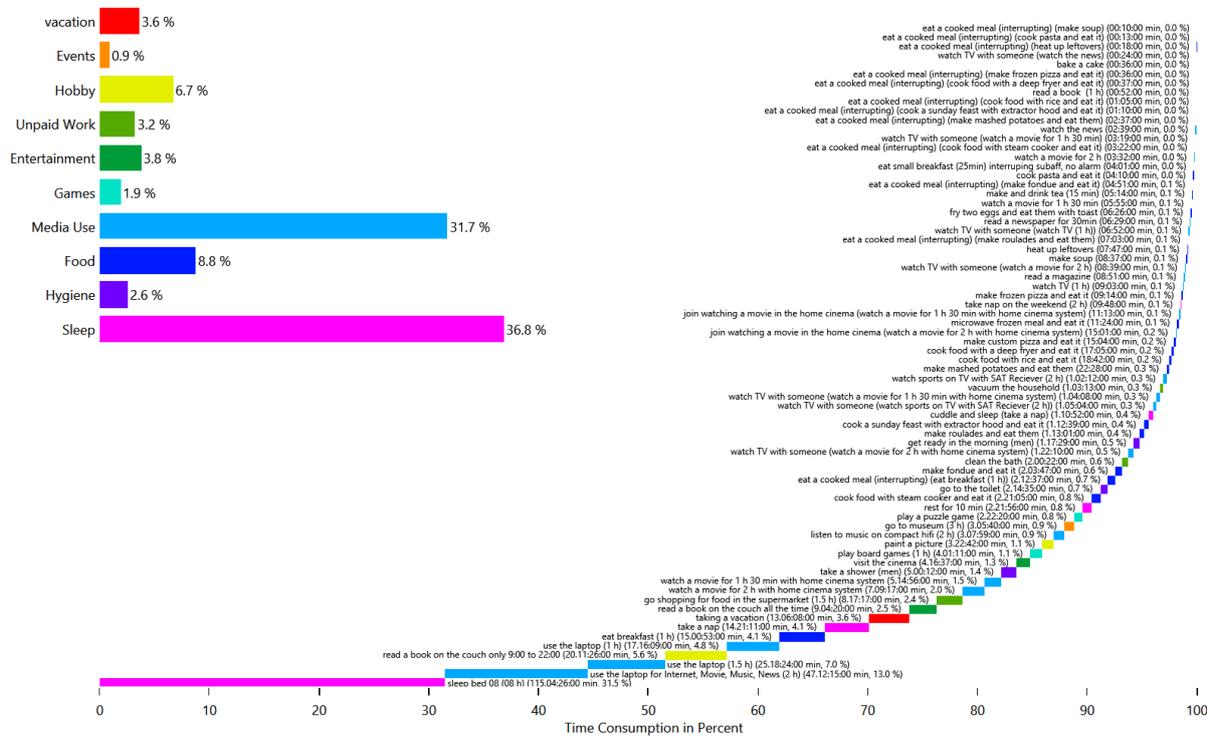
## HH0 - CHR49 Wilhelm (45 Male)



# HH0 - CHR49 Wilhelm (45 Male)



# HH0 - CHR49 Wilhelm (45 Male)

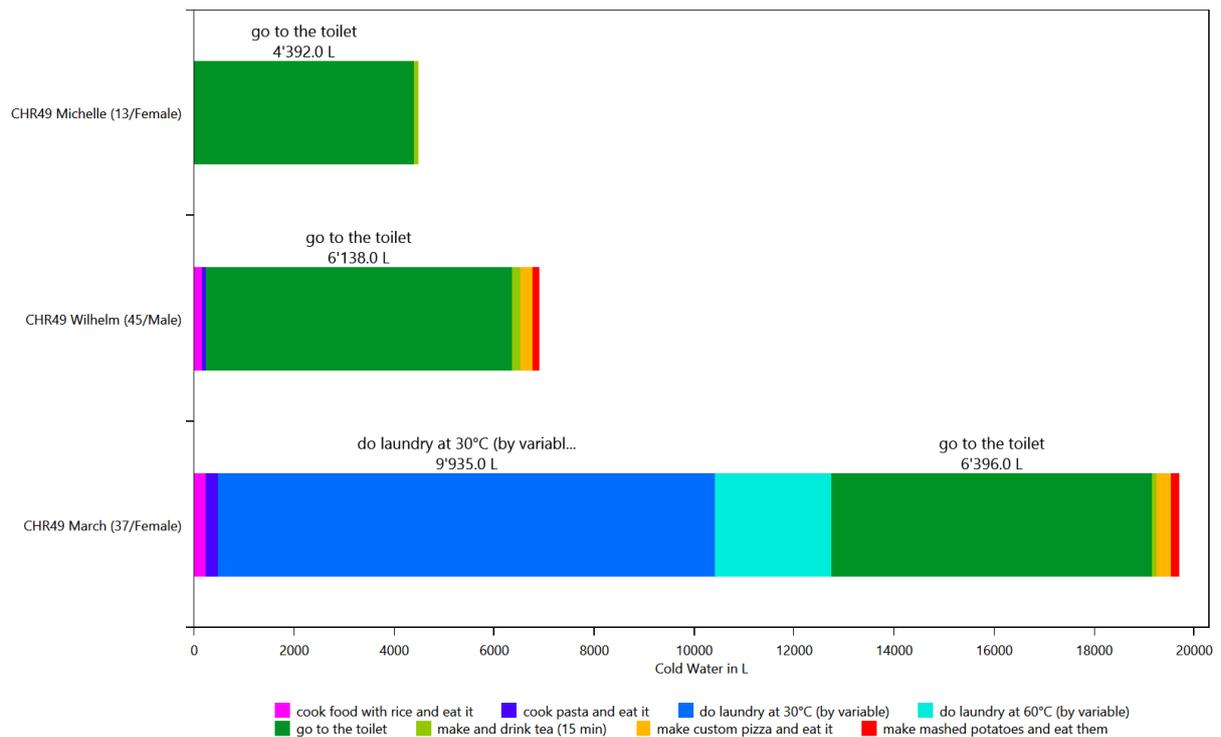


# Energy use per person per affordance

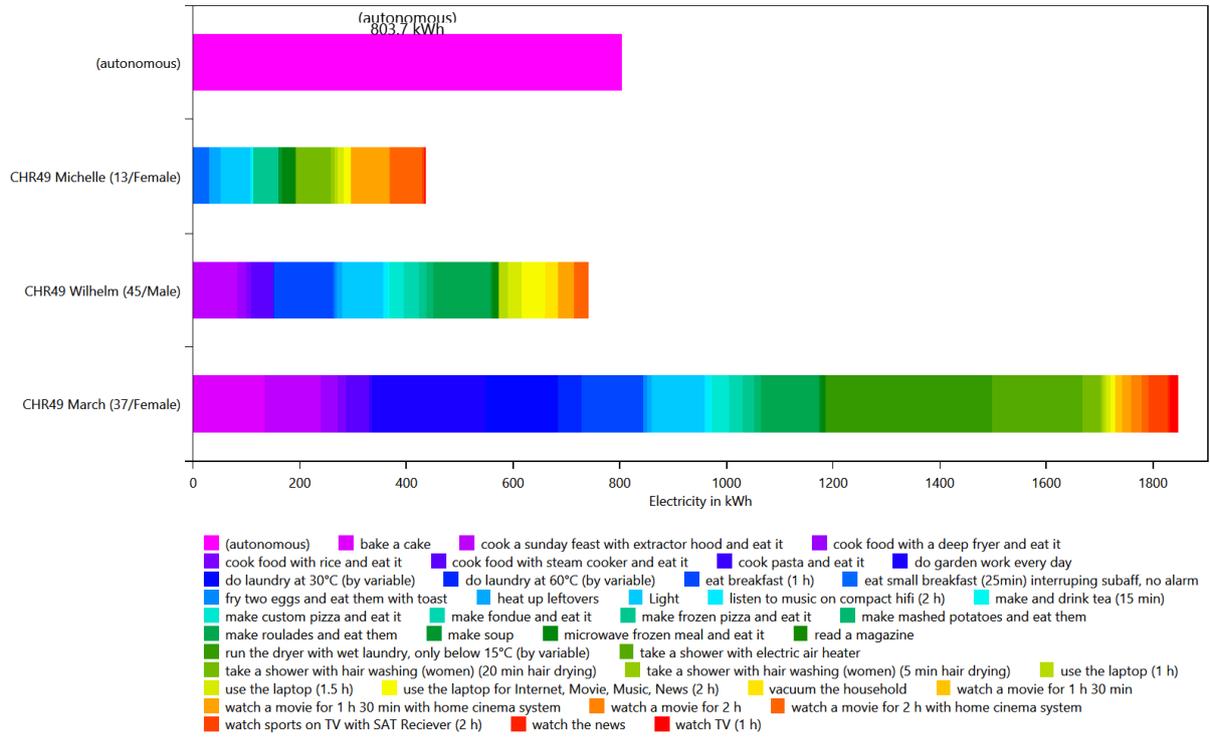
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

This shows the distribution of the energy/ressource use to each affordance by load type and by person. This helps with figuring out if a person is using too much electricity.

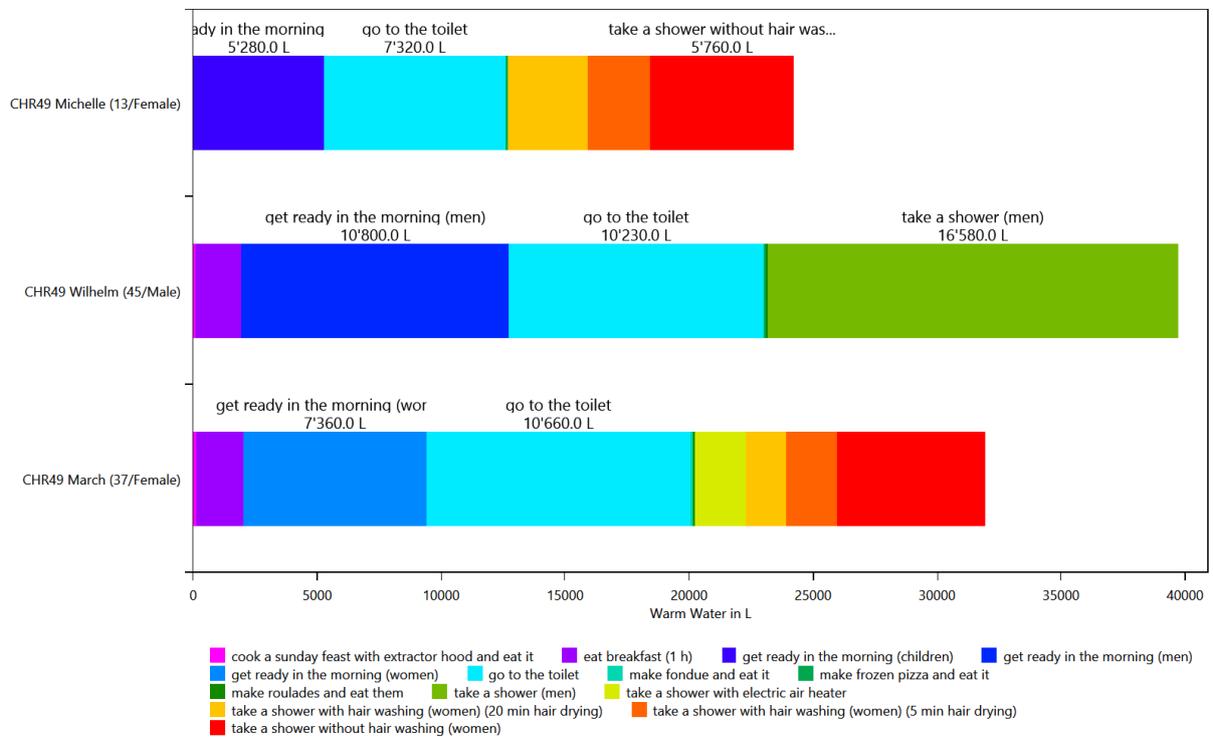
## HH0 - Cold Water



## HH0 - Electricity



## HH0 - Warm Water

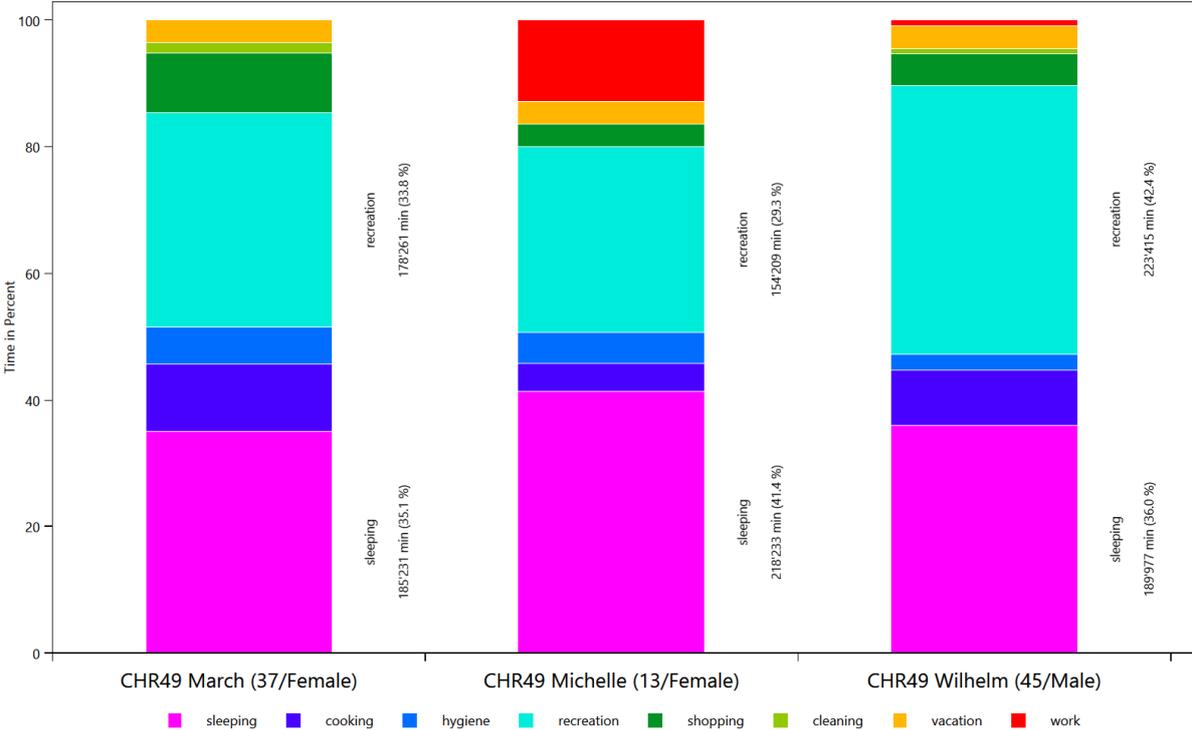


# Time Use per Person Per Affordance according to different category definitions

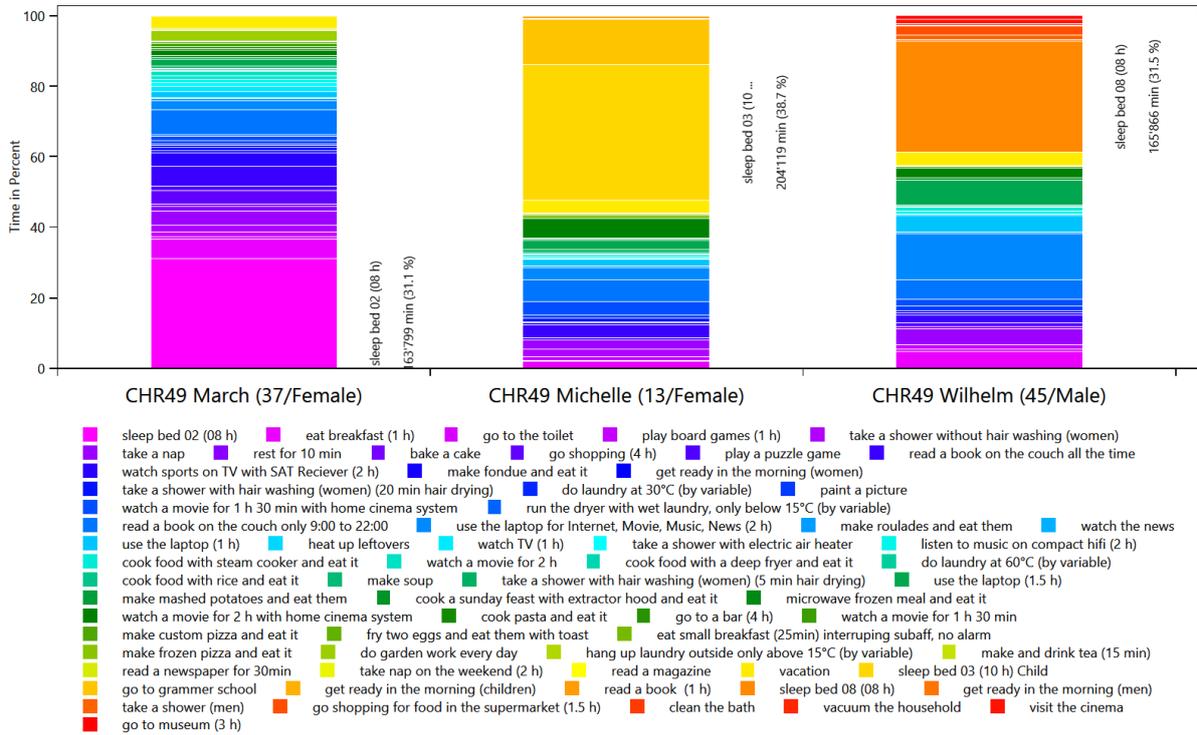
This is made from the files starting with: AffordanceTaggingSet

These charts show how the people in the household use their time. To help with analysis, the activities can be grouped by various criteria. This is done with the affordance tagging sets in the LPG.

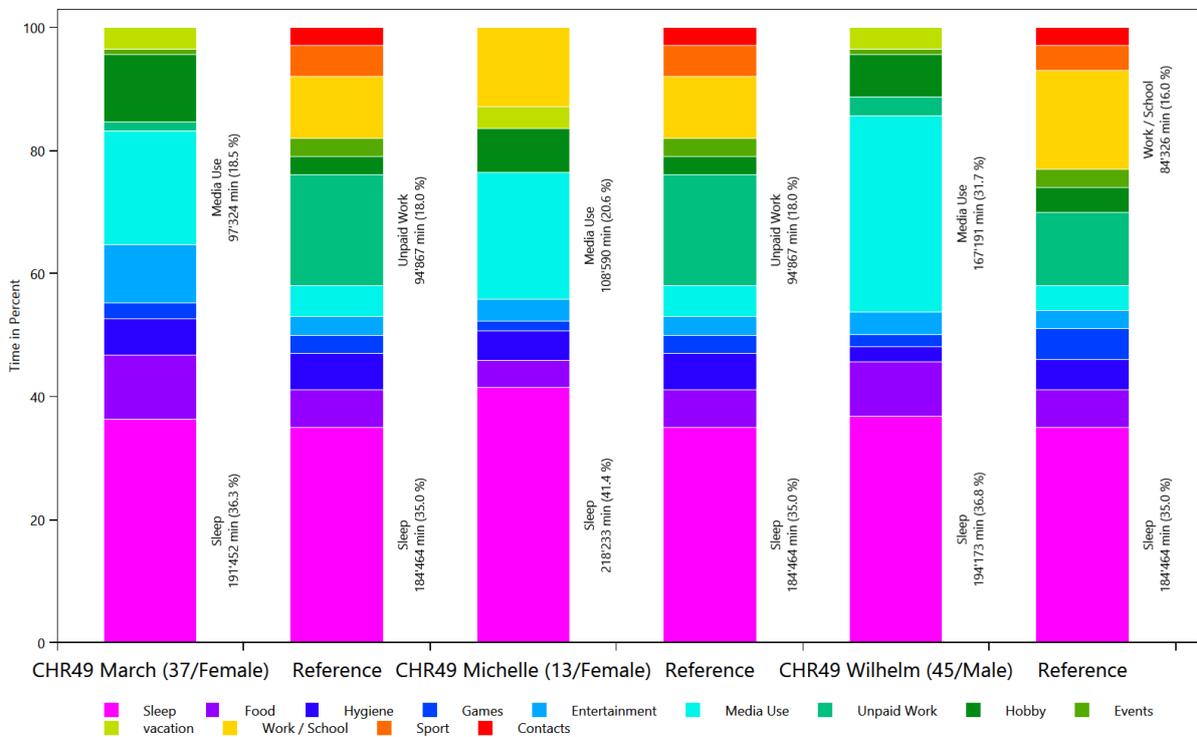
## Basic Tagging - HH0



## Tagging Set For Planning - HHO



## Wo bleibt die Zeit - HHO

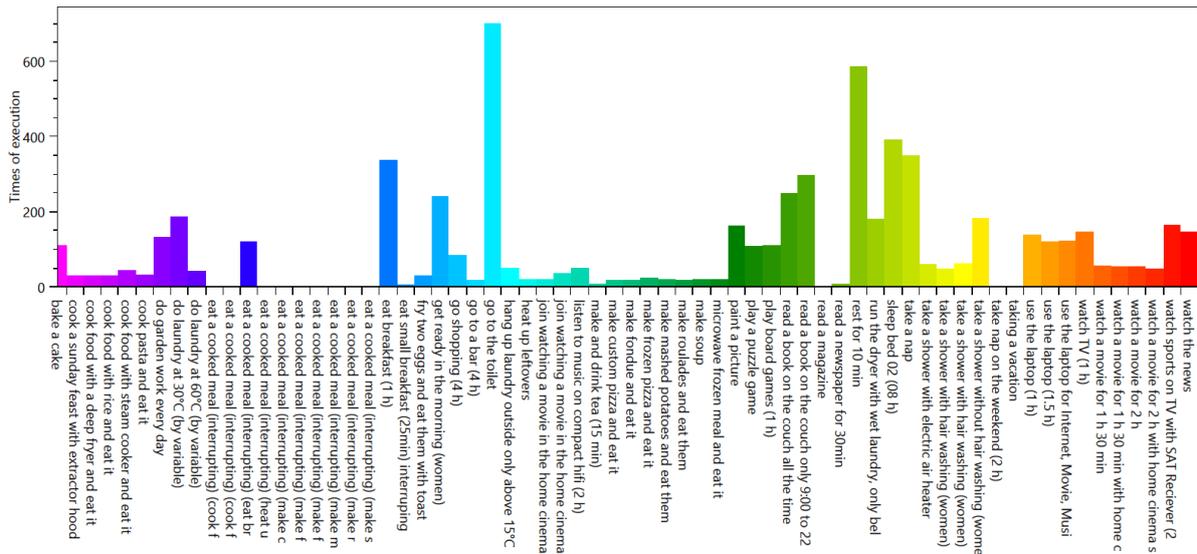


# Overview of the actions of each member of the household

This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

HH0 - CHR49 March (37 Female)



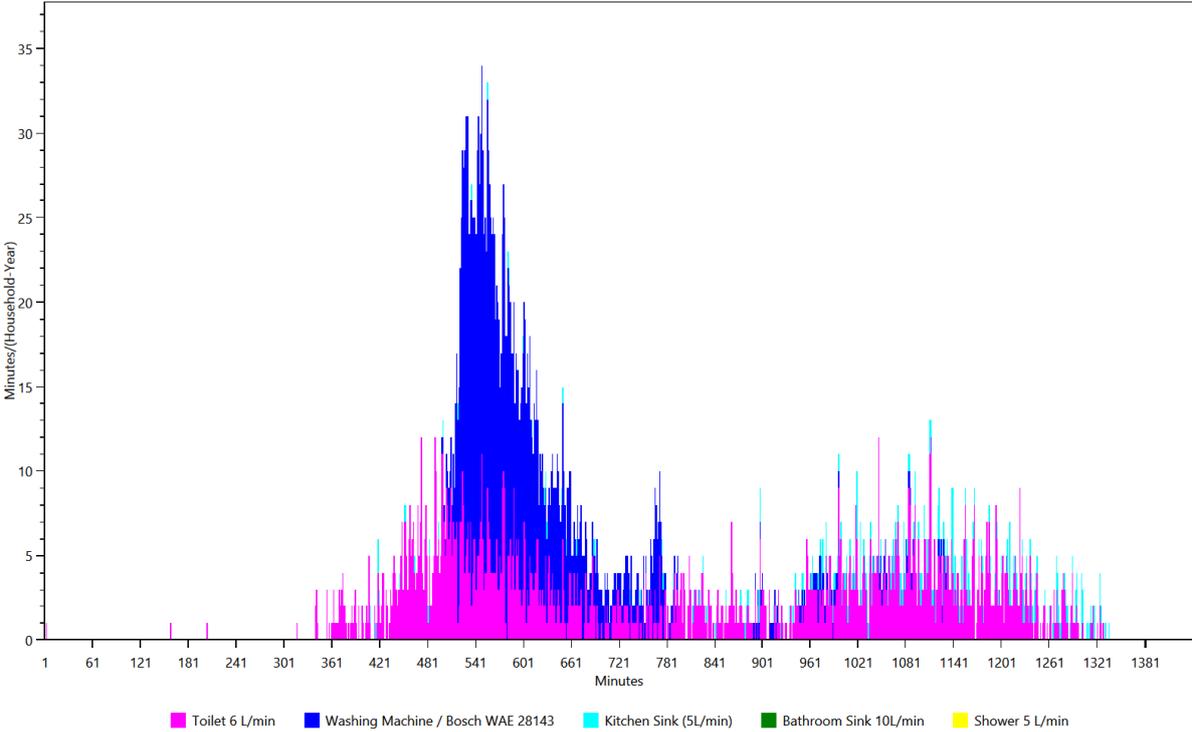


# Overview of the time of the use per load type per device

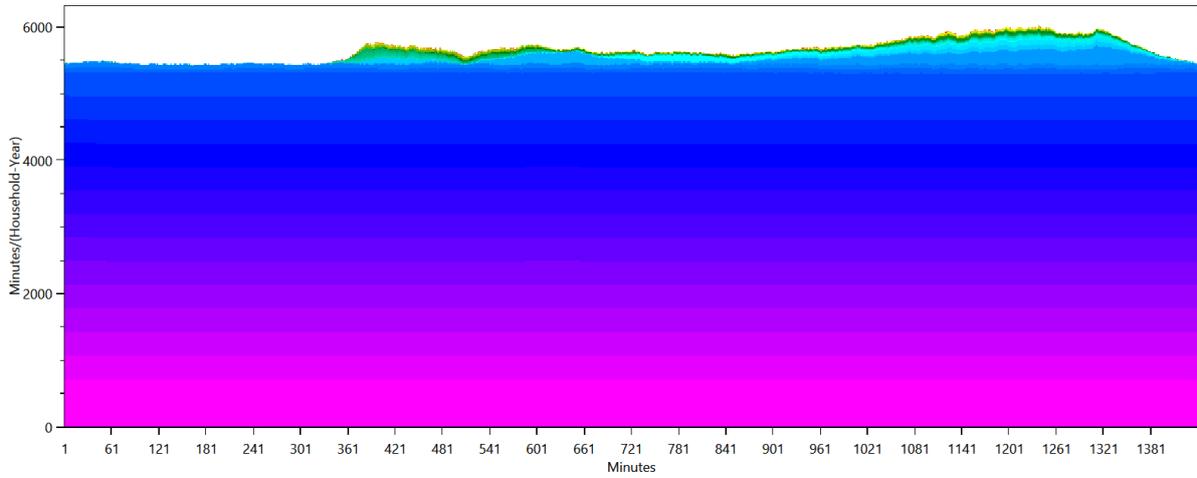
This is made from the files starting with: TimeOfUseEnergyProfiles

The time of use energy profiles shows when each device was used.

## Cold Water

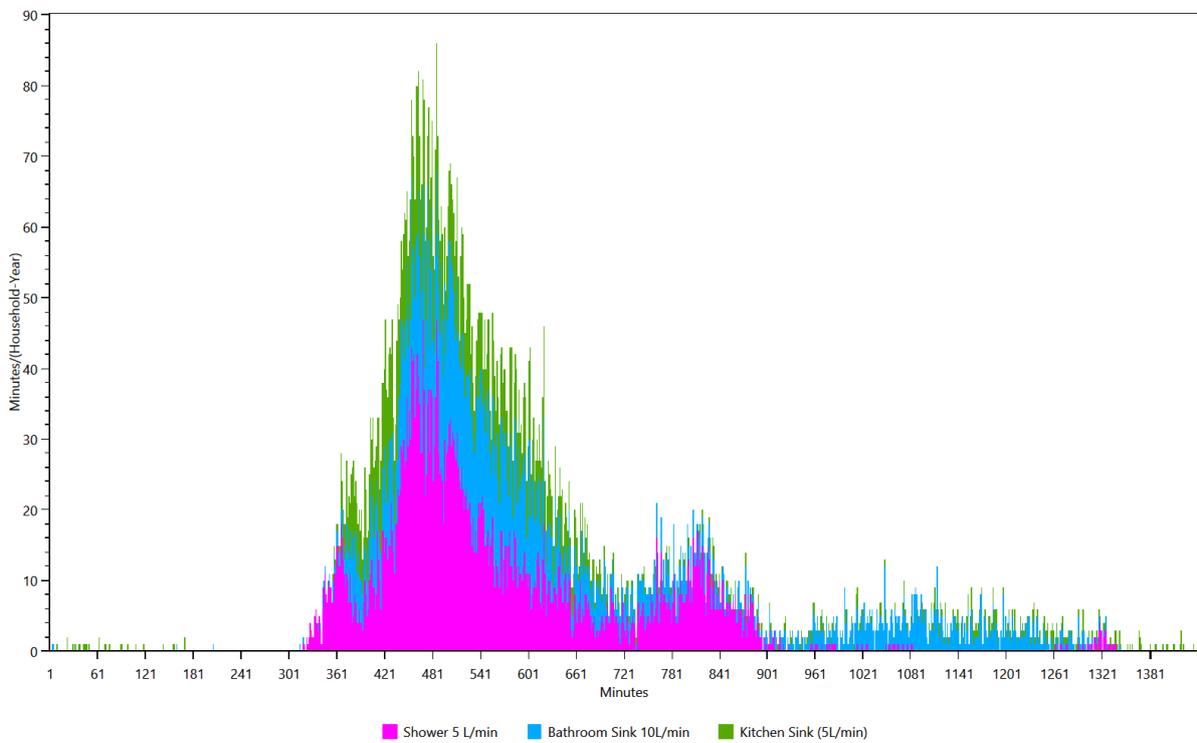


## Electricity



- SAT Receiver / Kathrein UF5913
- Electric Tooth Brush / Philips HX9332
- Philips 32-9615
- Home Cinema System / Samsung HT-D5550
- CD/DVD Player / Philips DVDR 725 H
- Hifi System / Sharp XL-HF300PH
- Microwave / Panasonic NN-CD757W
- Electric Razor / Philips PT860/16 Razor PowerTouch Plus
- Router O2 Box 6431
- TV / Philips Goya 9770 VT
- Phone Siemens Gigaset C320
- Yamaha RX-V667
- Laptop Lenovo Thinkpad x220
- Kitchen radio / AEG KRC 4323 CD
- Liebherr Premium GNP 3666-20
- Siemens KI 20 LA 65 (A+)
- Living Room Light (100W)
- Washing Machine / Bosch WAE 28143
- Kitchen Light (60W)
- Bedroom Light (20W)
- Dryer / Miele T 8626 WP
- Children Room Light (100W)
- Oven / AEG B 33512-5-M
- Bathroom Light (200W)
- Bathroom Mirror Light 10 W (LED)
- Coffee Machine / Braun KF 580E
- Moulinex electronic 833
- Extractor Hood / Miele DA 429-4
- Steam Cooker / Philips HD9140
- Fondue / Unold 48746 Asia
- Hair Dryer Babyliss 2000
- Single Stove Plate
- Hedge Trimmer / Bosch AHS 550-24 ST
- Lawn Mower / Sabo 36-EL SA 752
- Heater / Honeywell BH-888E
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right-semi aktiv
- Miele DA 61
- Toaster Salco MT 400
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Atika LH 2500 G
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Ricecooker / Tristar RK-6112
- Fancy Ceiling Lights with at least 3 Bulbs
- Canister Vacuum Cleaner / Siemens Z6.0 VSZ61260
- Food Slicer / DOMO Schneidemaschine D05215
- Electric Kettle / Philips Essential HD 4685/90 Schwarz
- Handmixer / Philips Robust HR 1581
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind- semi aktiv
- Braun Multiquick 3 MR 300 Soup

## Warm Water

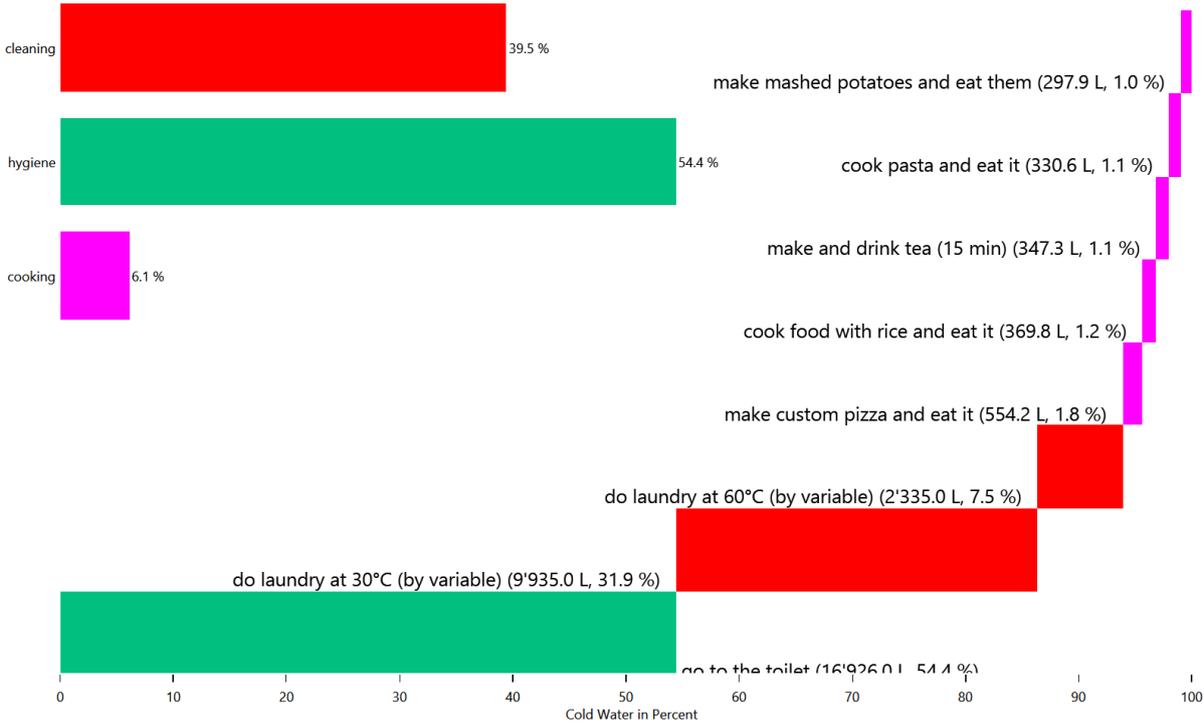


# Energy/Resource use distribution per load type per affordance

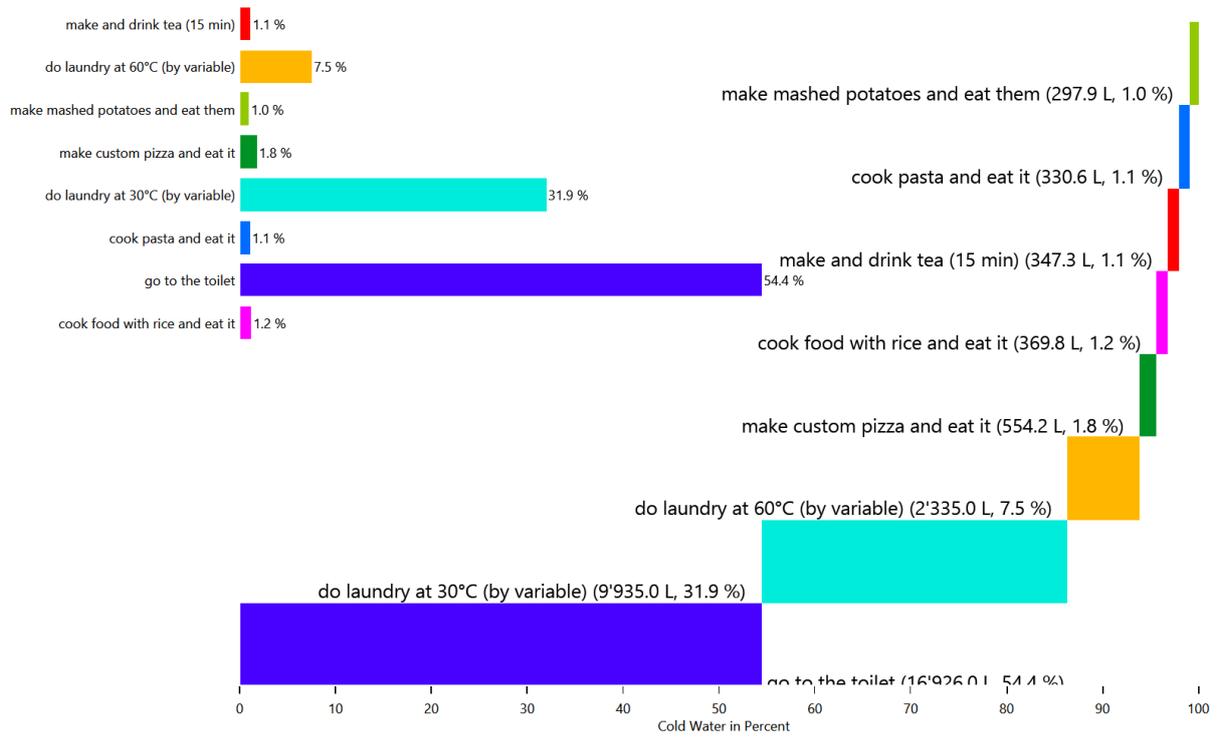
This is made from the files starting with: AffordanceEnergyUse

This shows the distribution of the energy/ressource use to each affordance by load type.

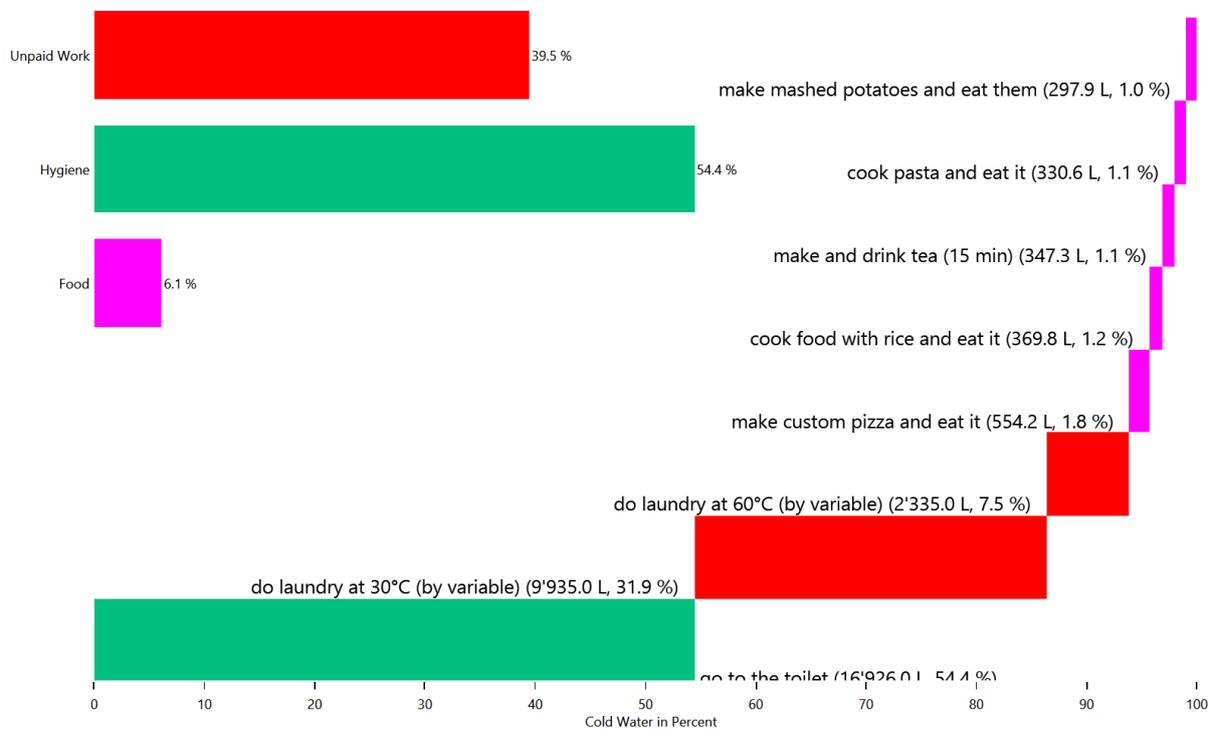
## HH0 - Cold Water



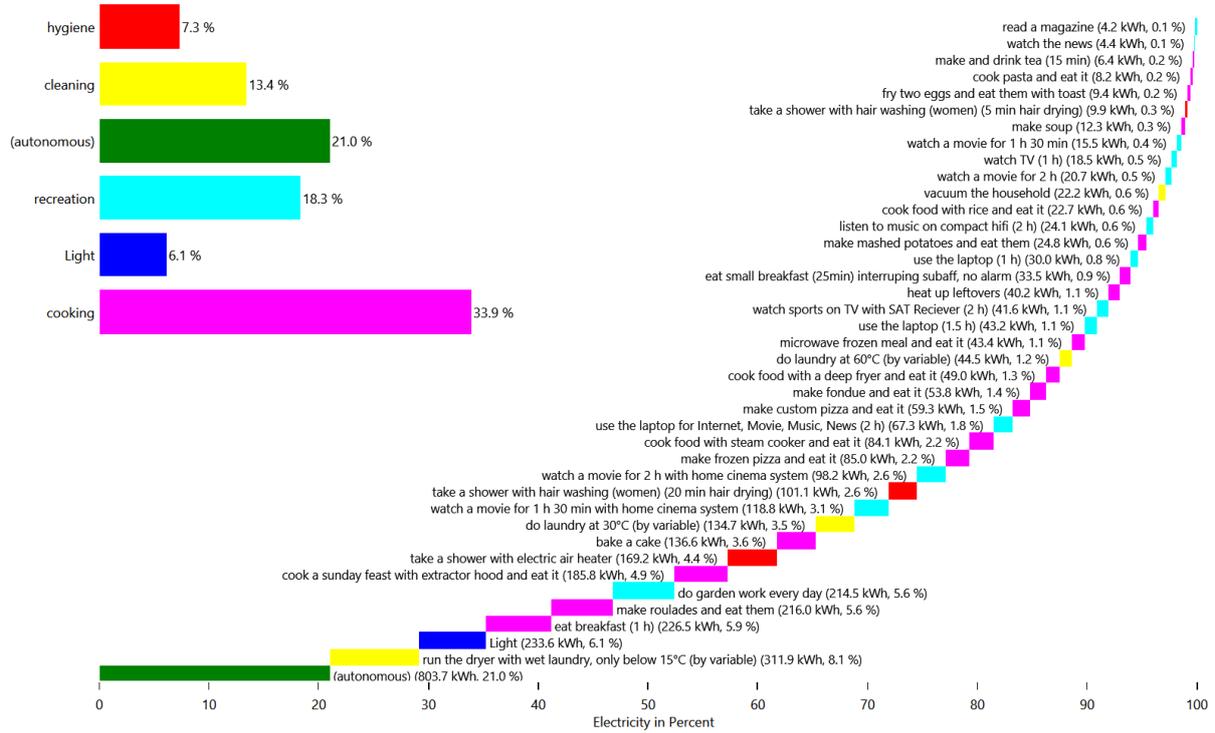
## HH0 - Cold Water



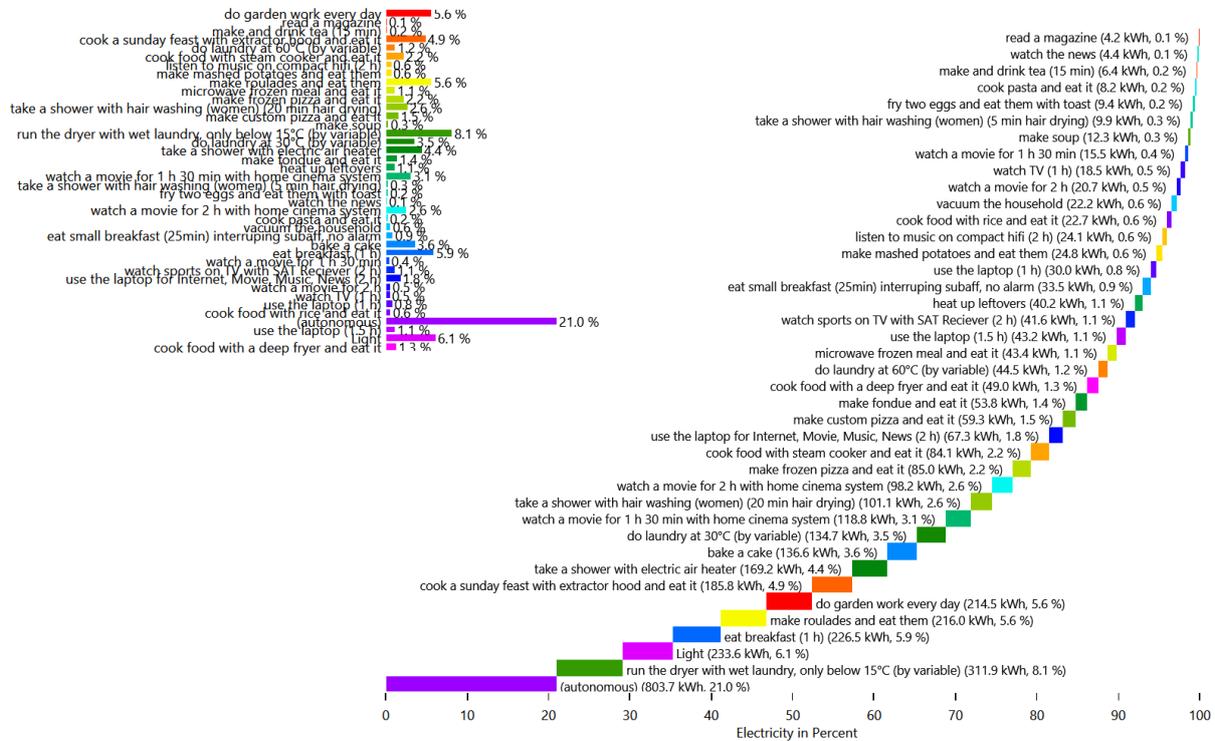
## HH0 - Cold Water



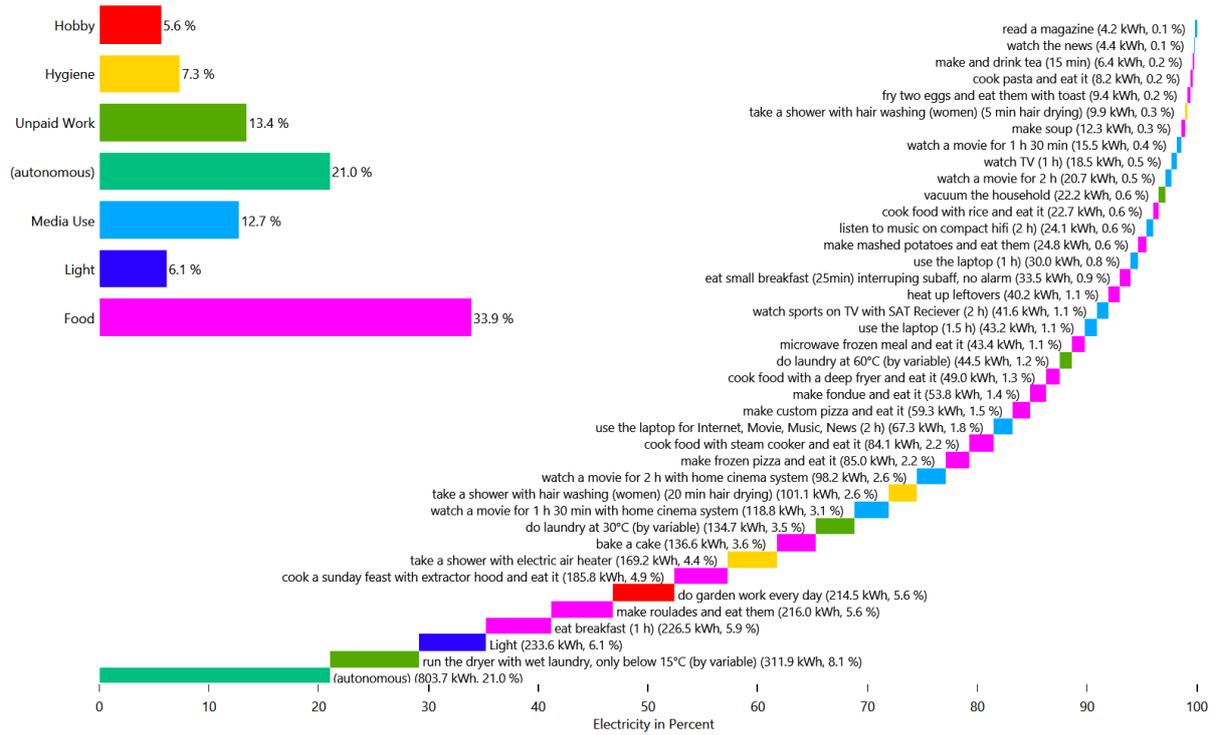
# HH0 - Electricity



# HH0 - Electricity



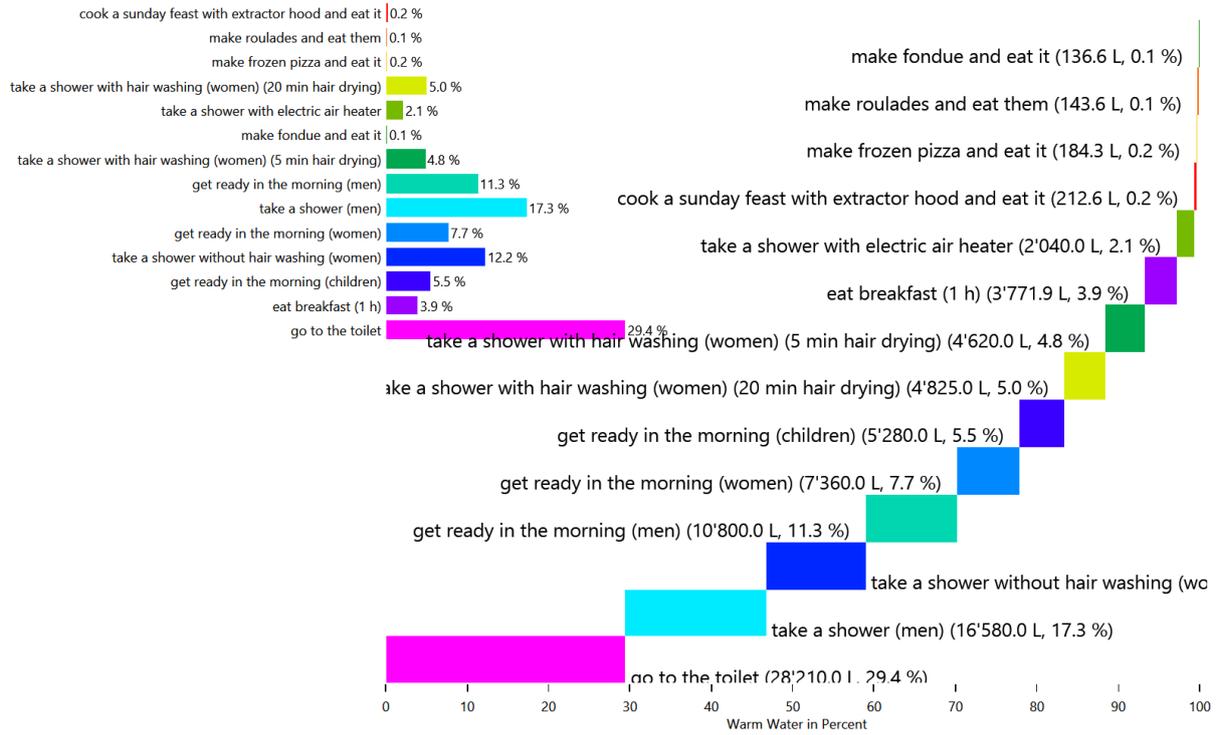
## HH0 - Electricity



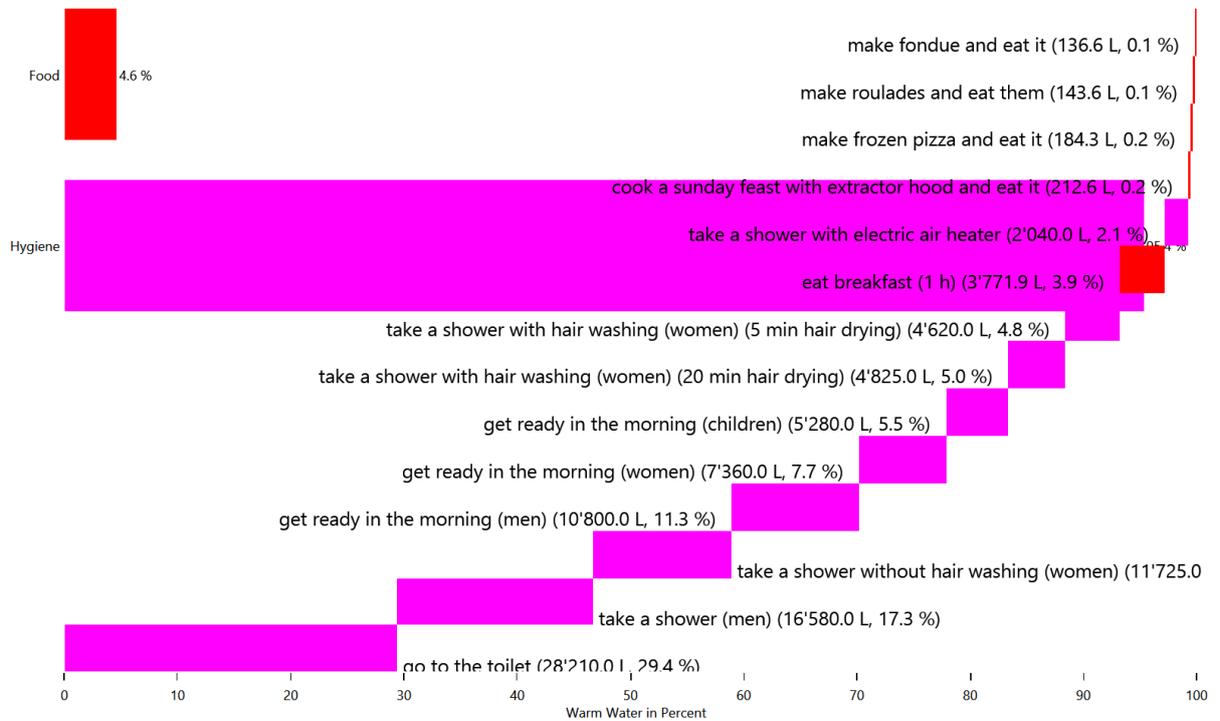
## HH0 - Warm Water



## HH0 - Warm Water



## HH0 - Warm Water

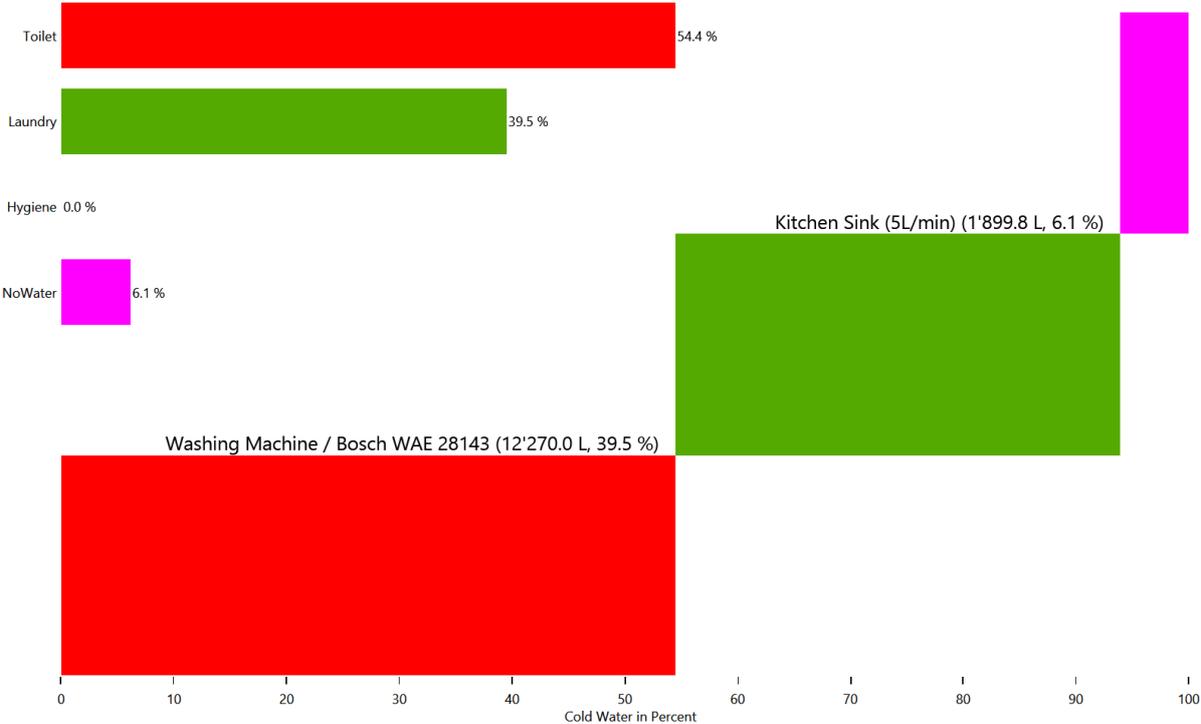


# Energy use for each load type for each device

This is made from the files starting with: DeviceSums

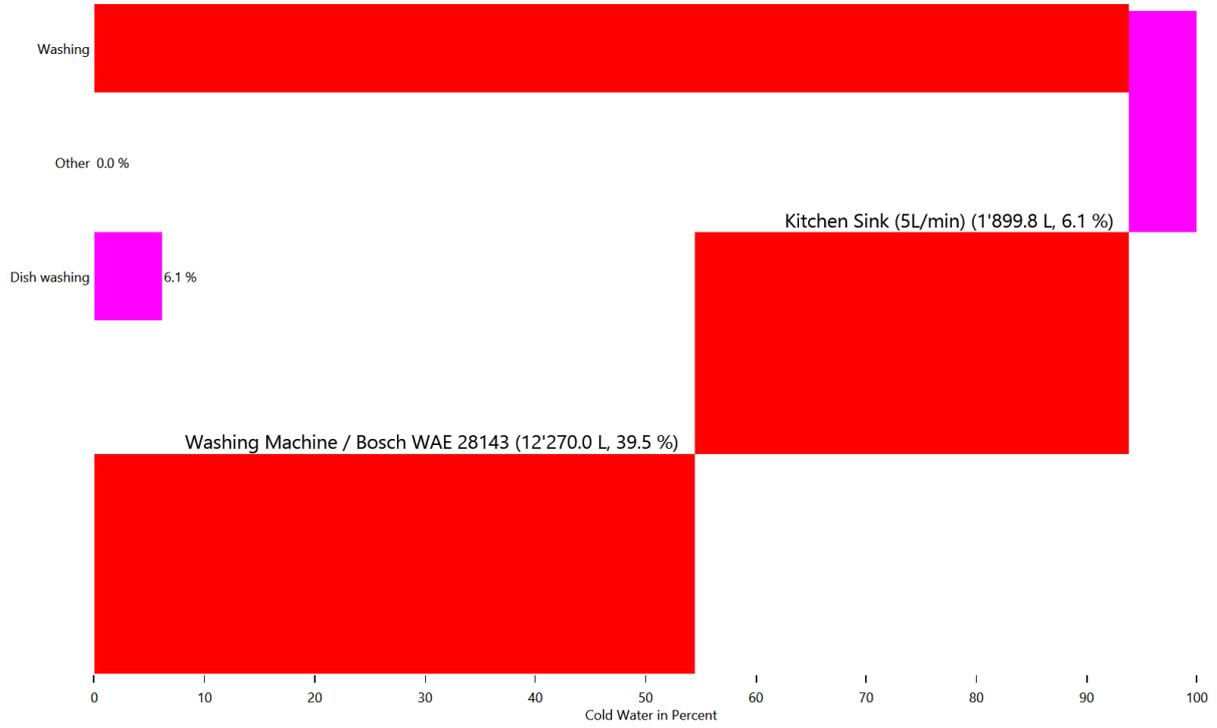
These pie charts show the energy use for each individual device in each load type.

## Cold Water

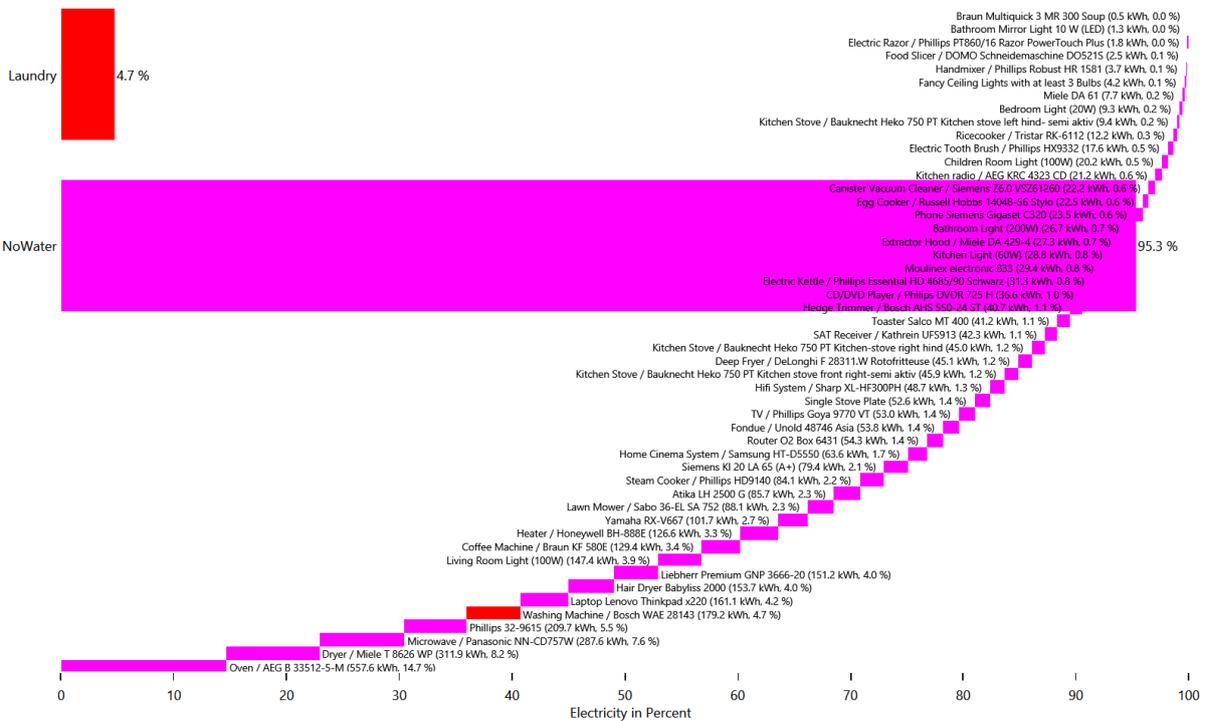


Washing Machine / Bosch WAE 28143 (12'270.0 L, 39.5 %)

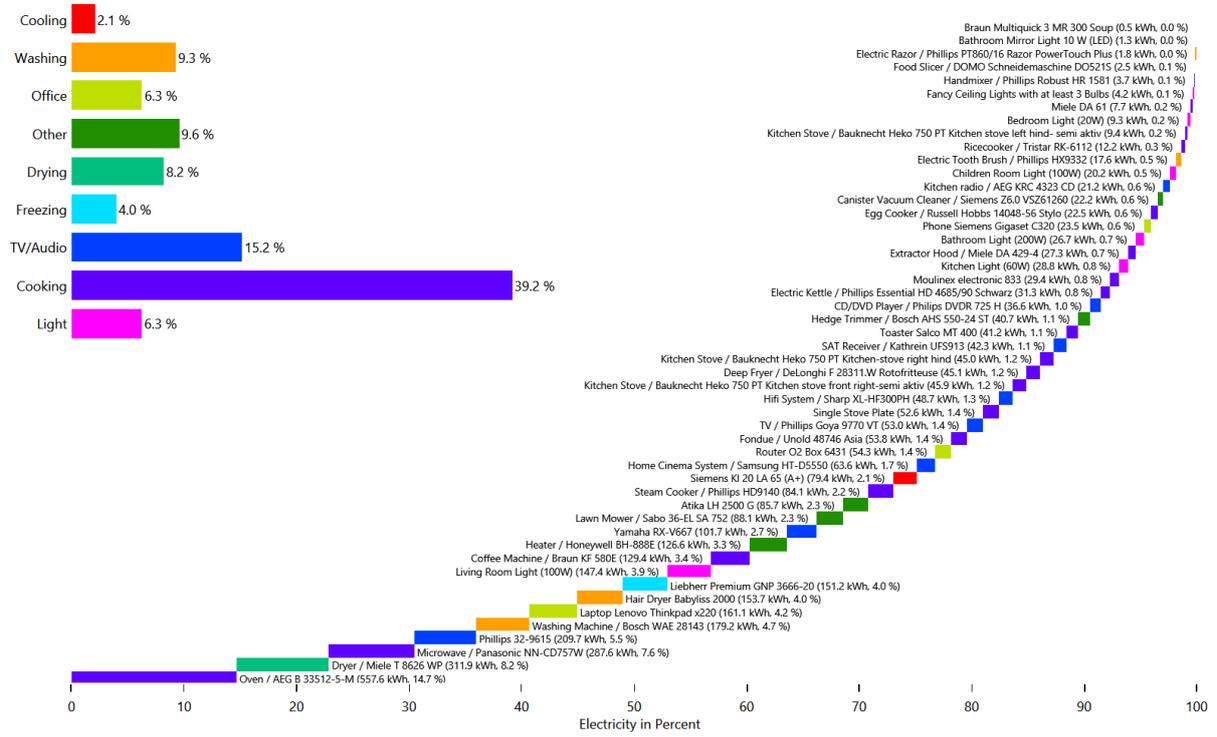
## Cold Water



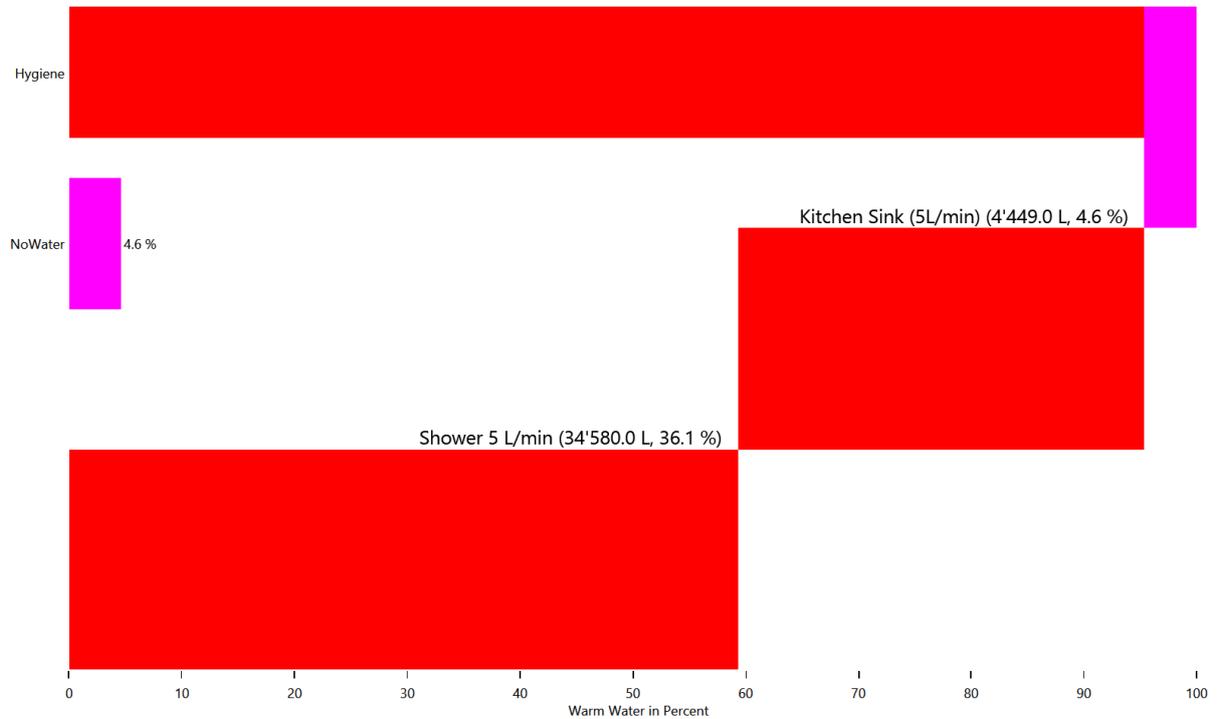
## Electricity



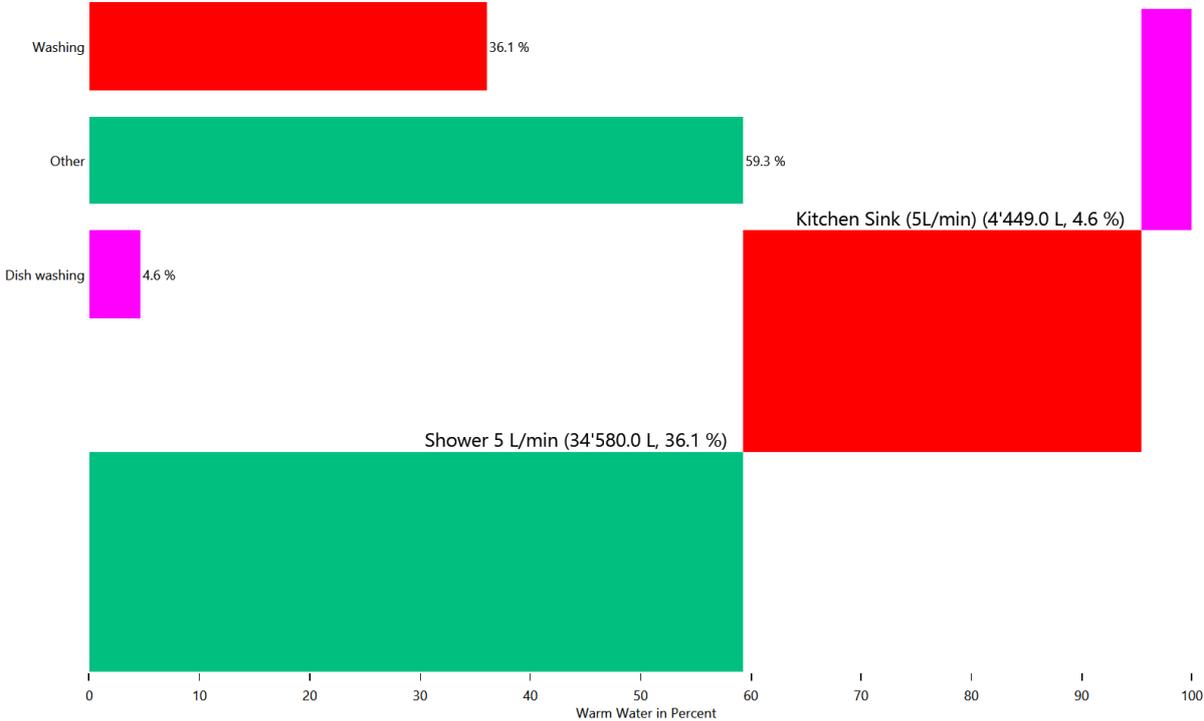
# Electricity



# Warm Water



# Warm Water

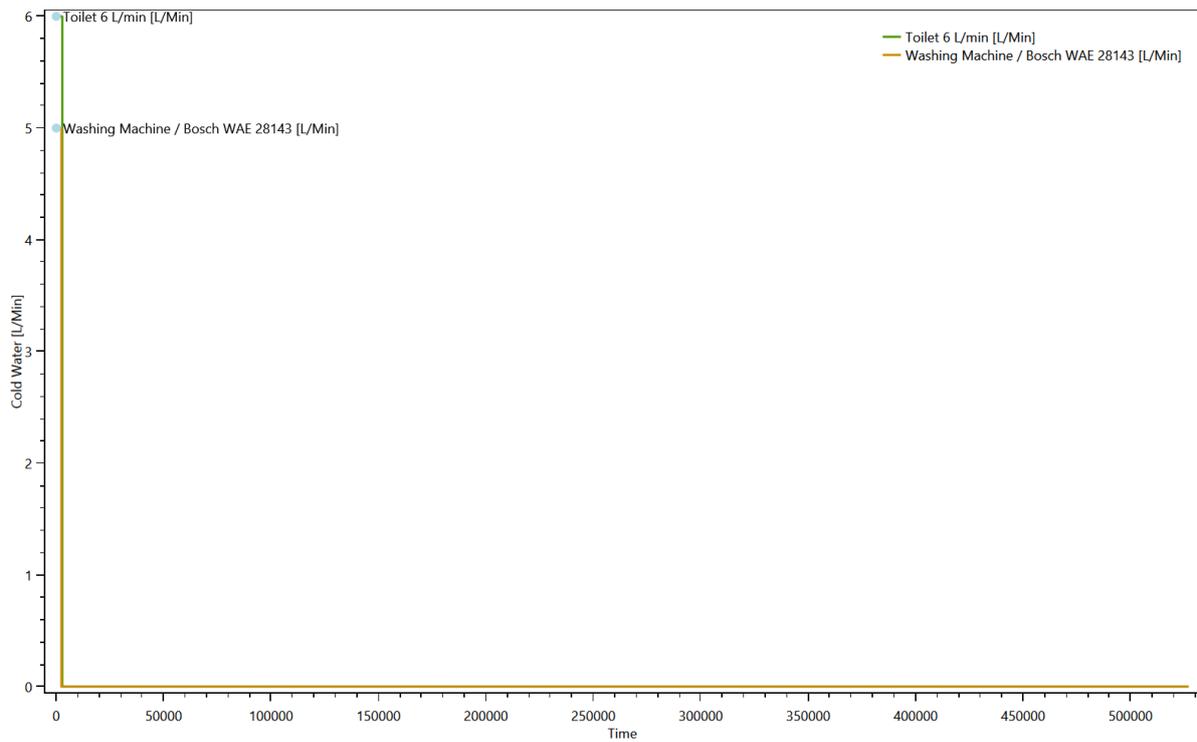


# Duration curve for each device for each load type

This is made from the files starting with: DeviceDurationCurves

The device duration curve show the duration curve of each device to give an overview of the power consumption.

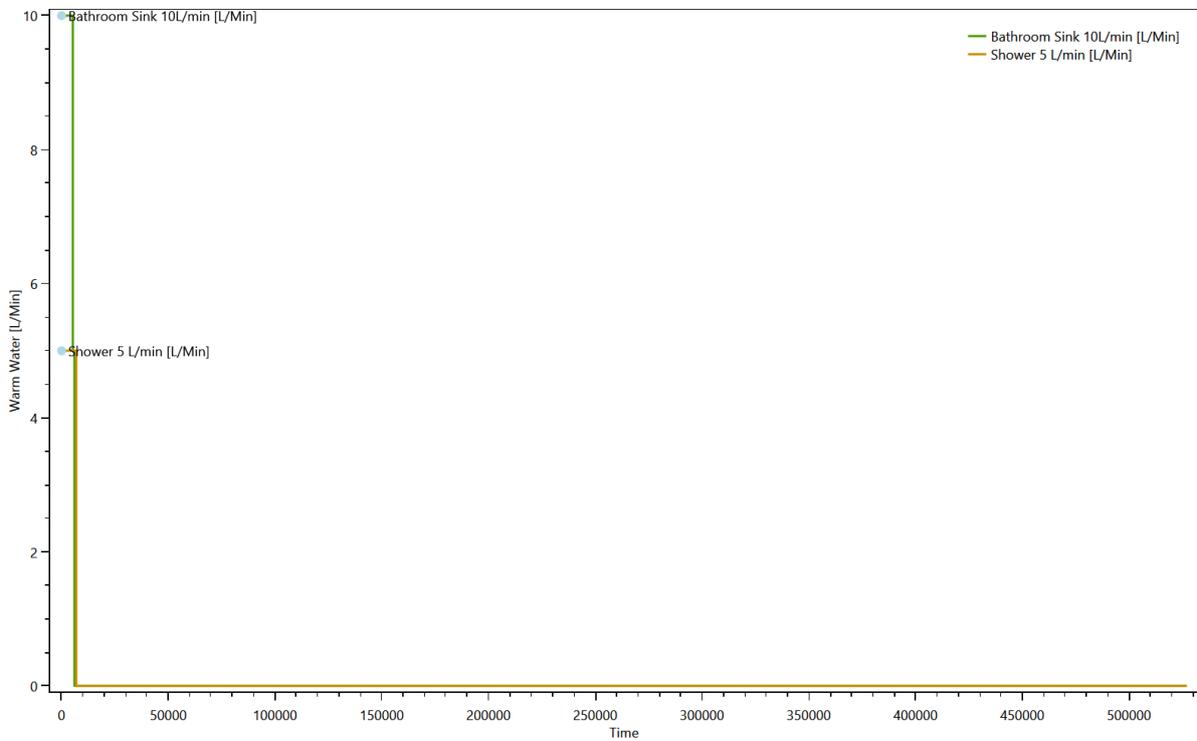
## Cold Water



# Electricity



# Warm Water

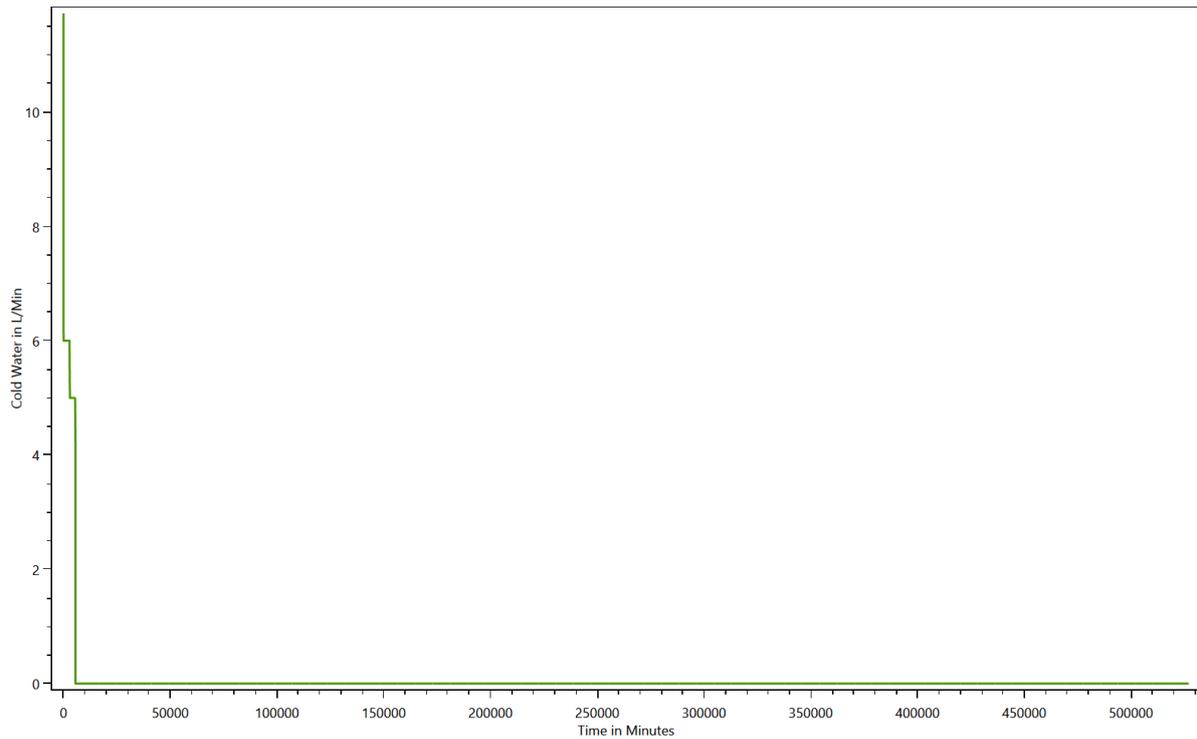


# Duration curve for each load type

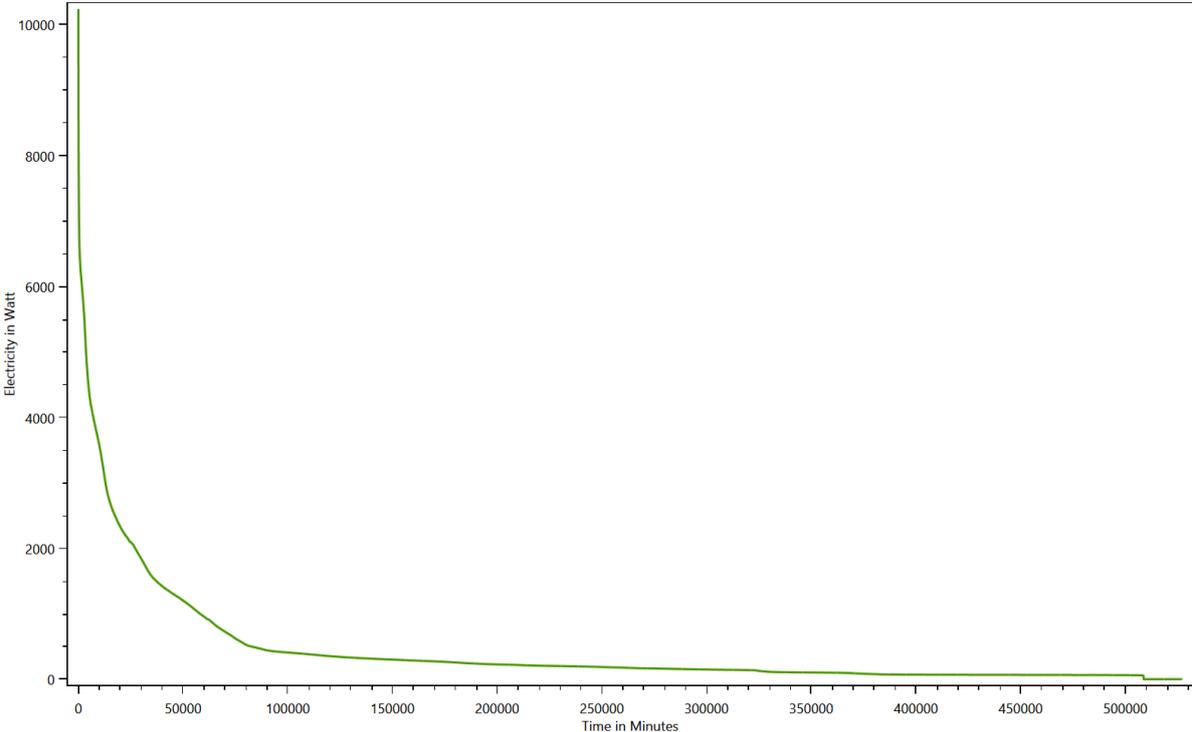
This is made from the files starting with: DurationCurve

The duration curve show the duration curve for the entire household to give an overview of the power consumption.

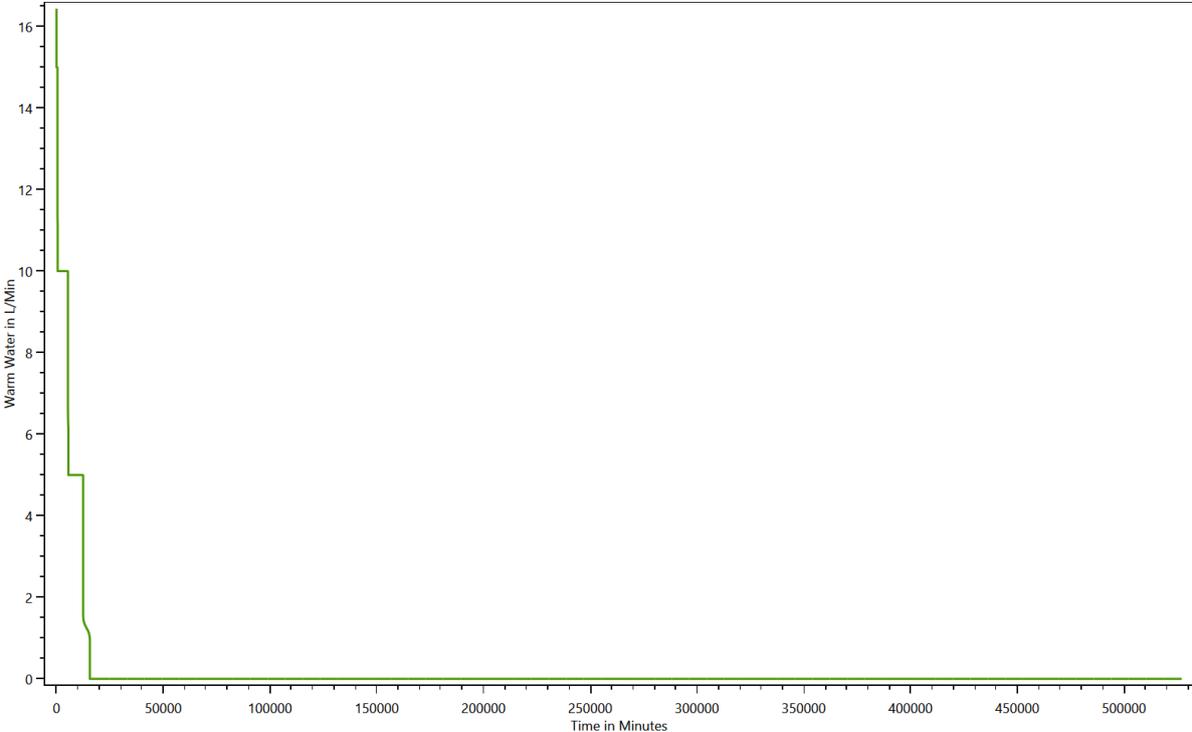
## Cold Water



# Electricity



# Warm Water

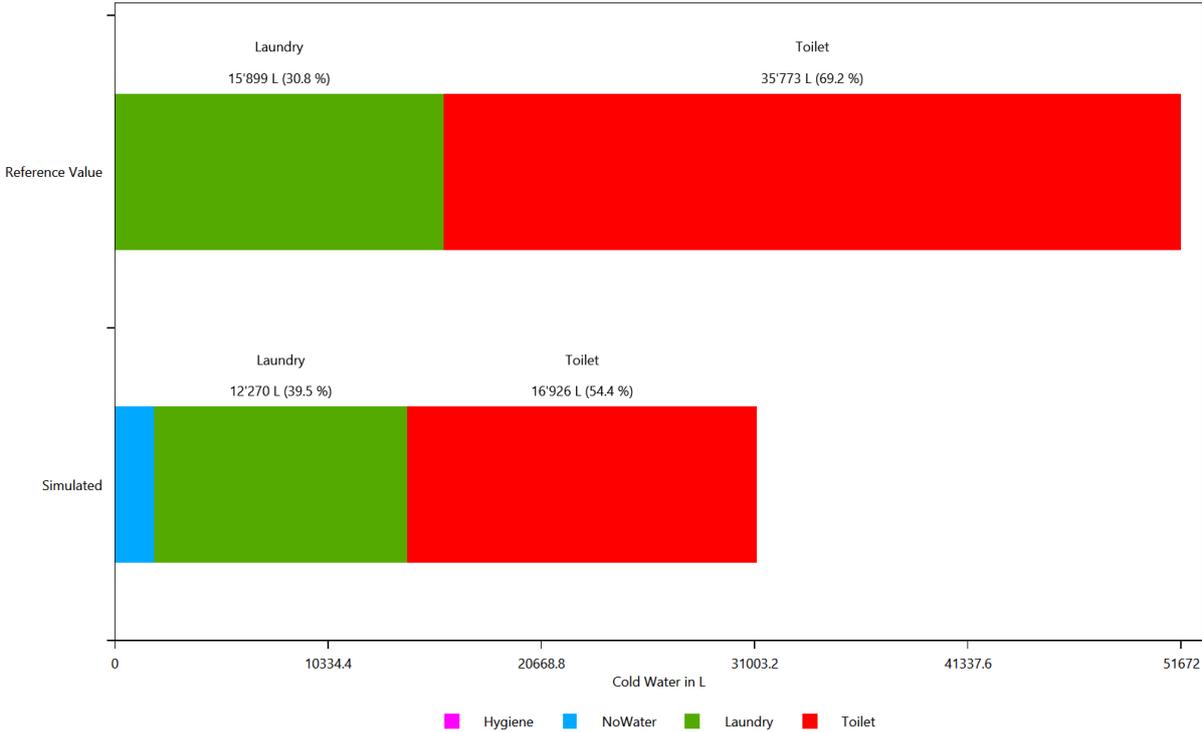


# Grouped energy use for each load type for each device

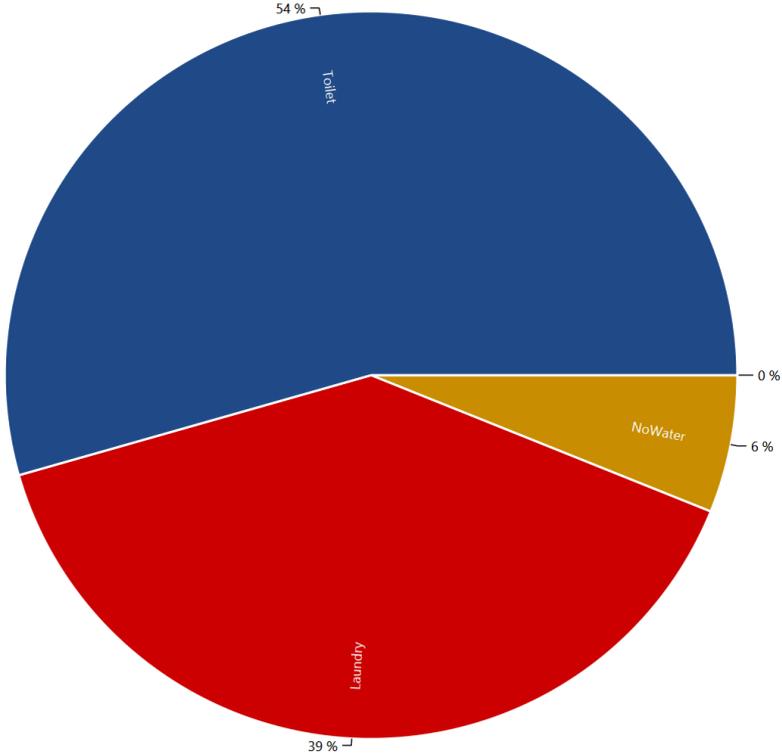
This is made from the files starting with: DeviceTaggingSet

The devices in the LPG can be grouped with various criteria by the device tagging sets. These charts show the results.

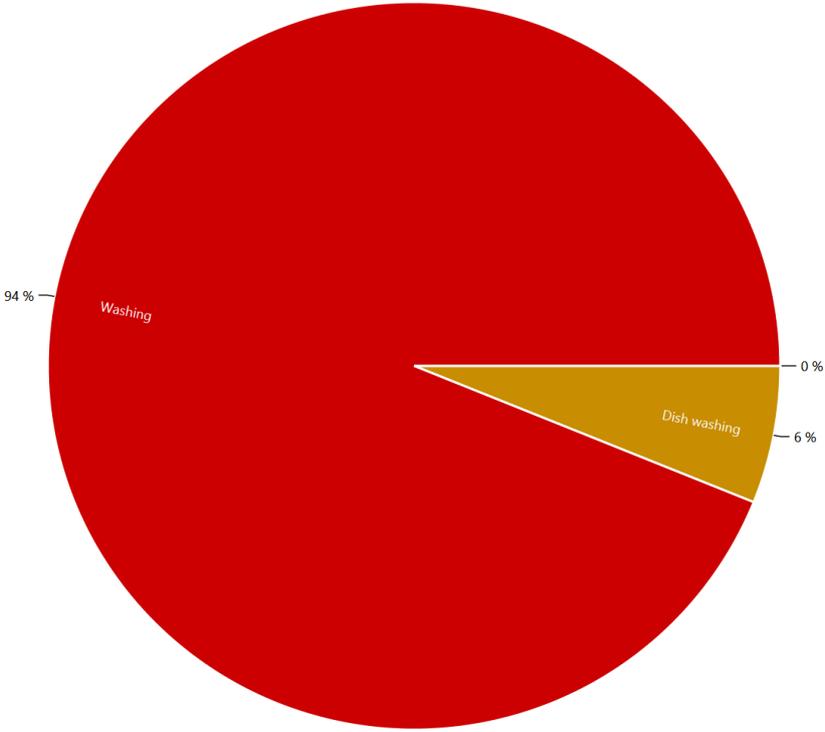
## HH0 - Destatis Water Usage Statistics - Cold Water



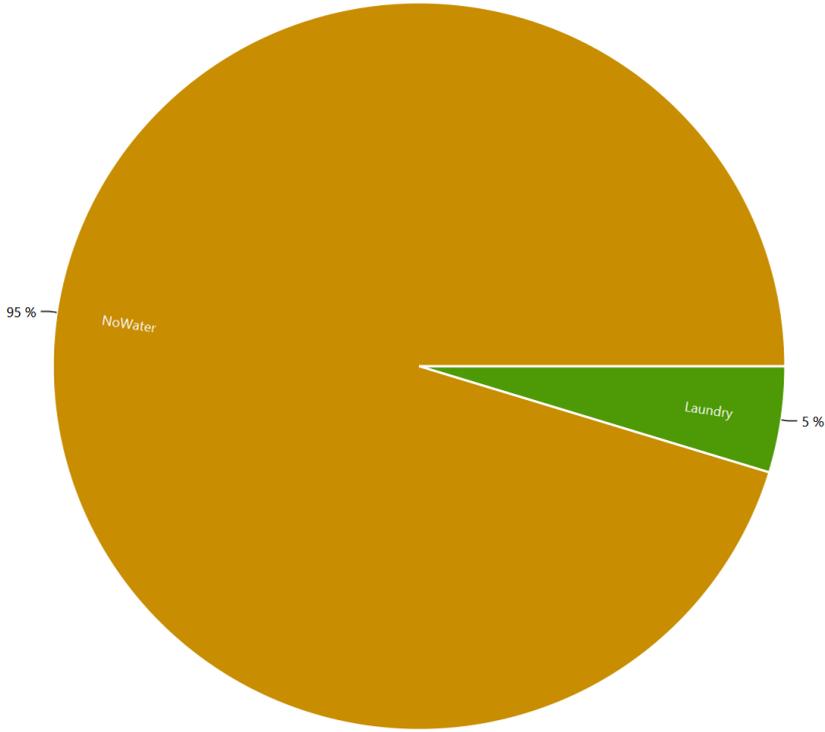
HH0 - Destatis Water Usage Statistics - Cold Water



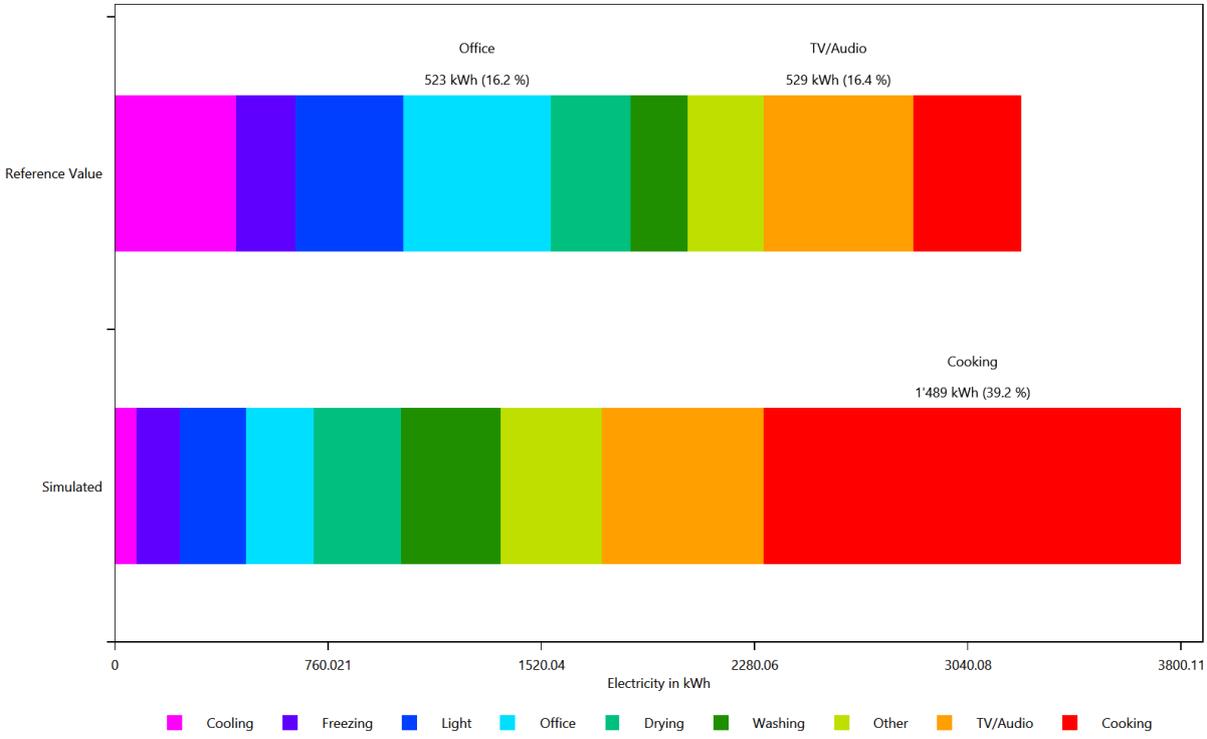
HH0 - Energieagentur - Cold Water



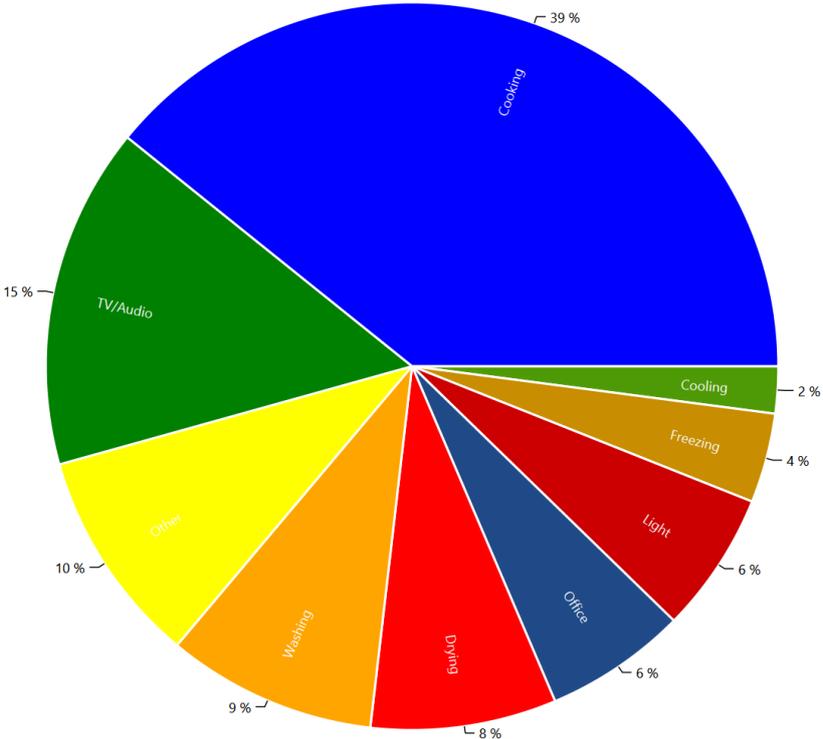
# HH0 - Destatis Water Usage Statistics - Electricity



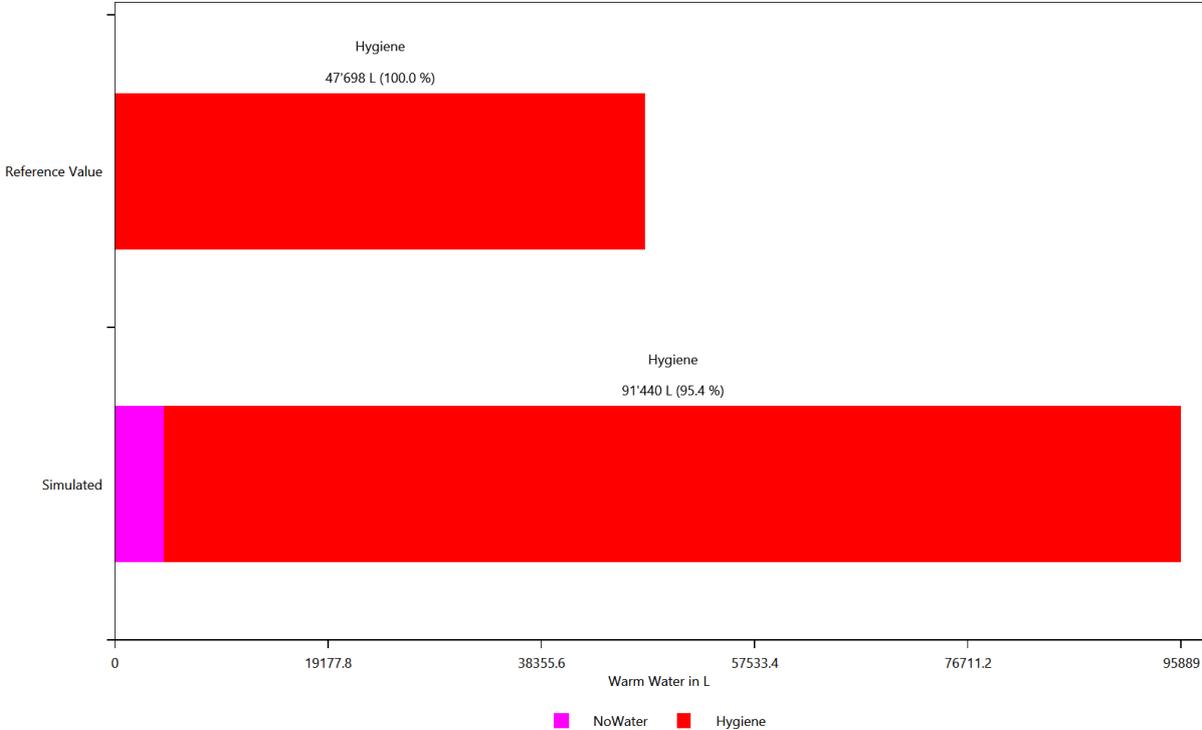
# HH0 - Energieagentur - Electricity



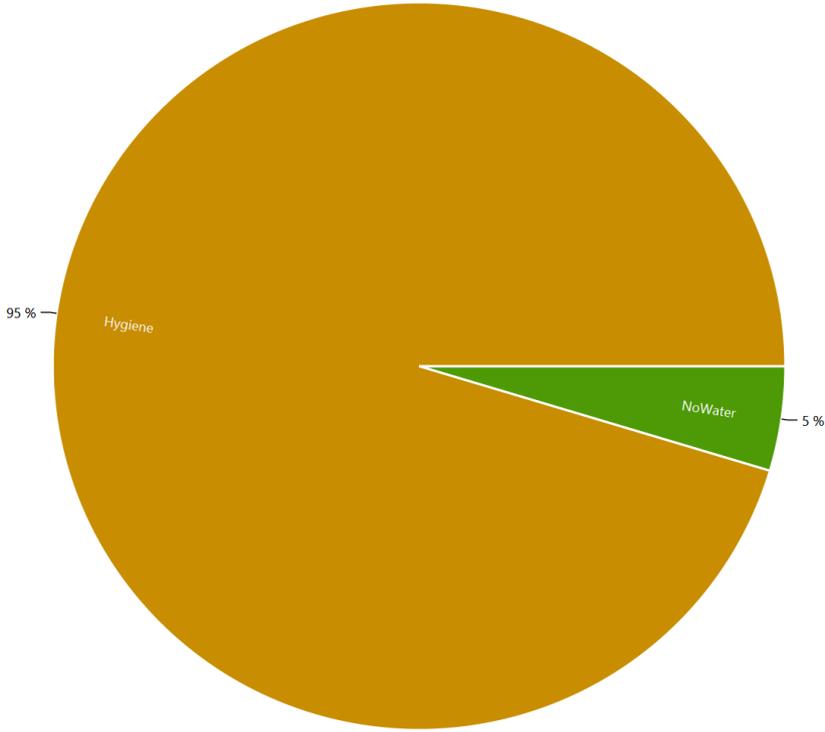
### HH0 - Energieagentur - Electricity



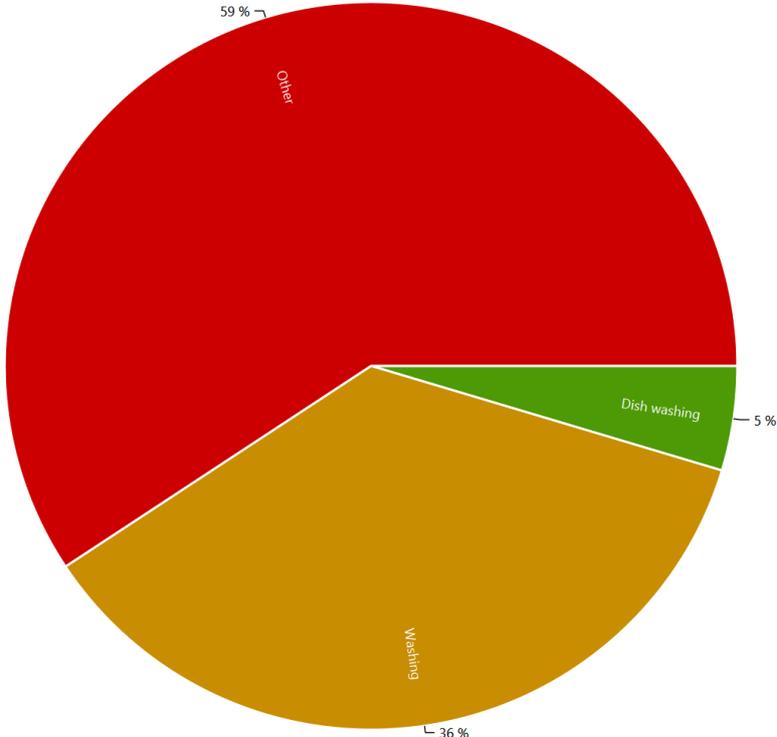
### HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

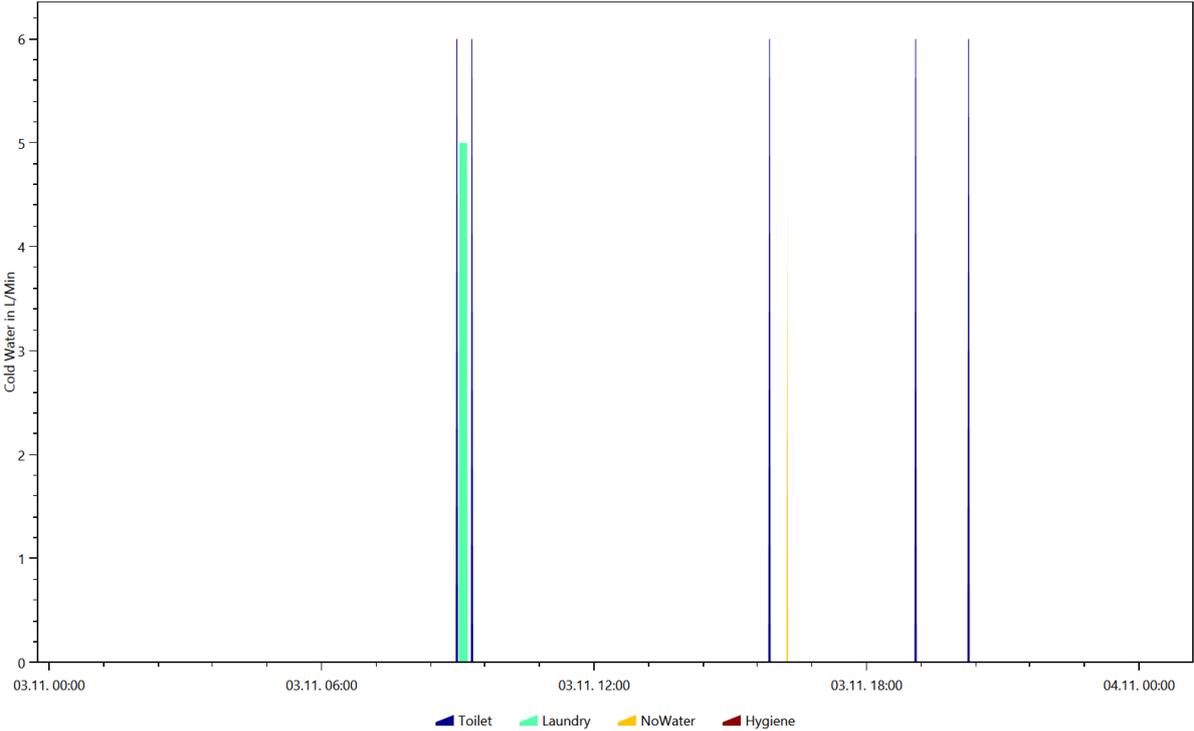


# Example of the device profiles for each load type

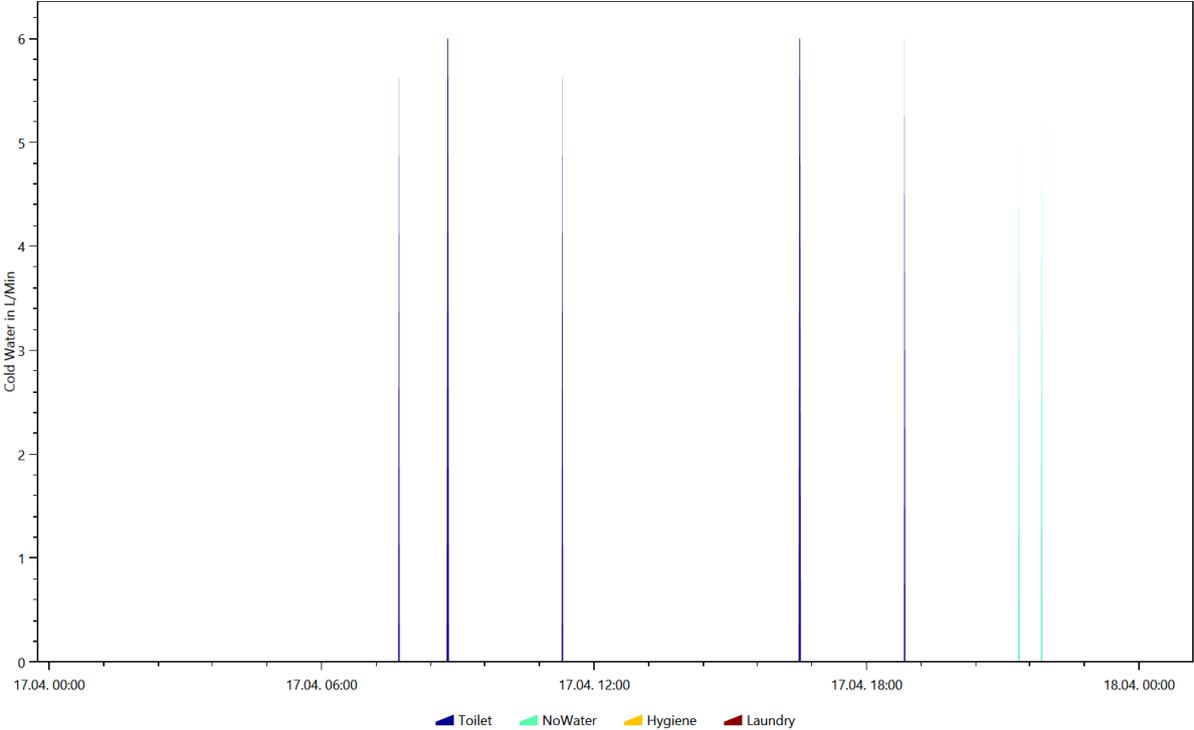
This is made from the files starting with: DeviceProfiles

The device profile files are the reason for the LPG. They show the power consumption of each device.

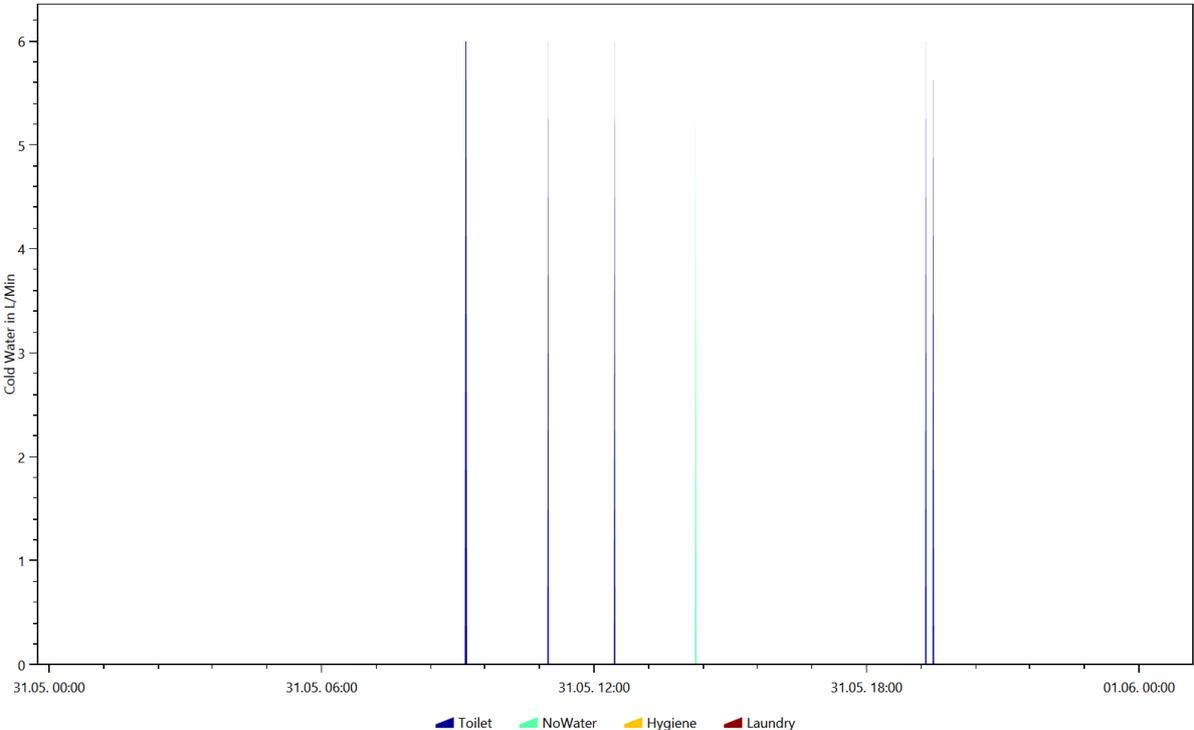
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.3



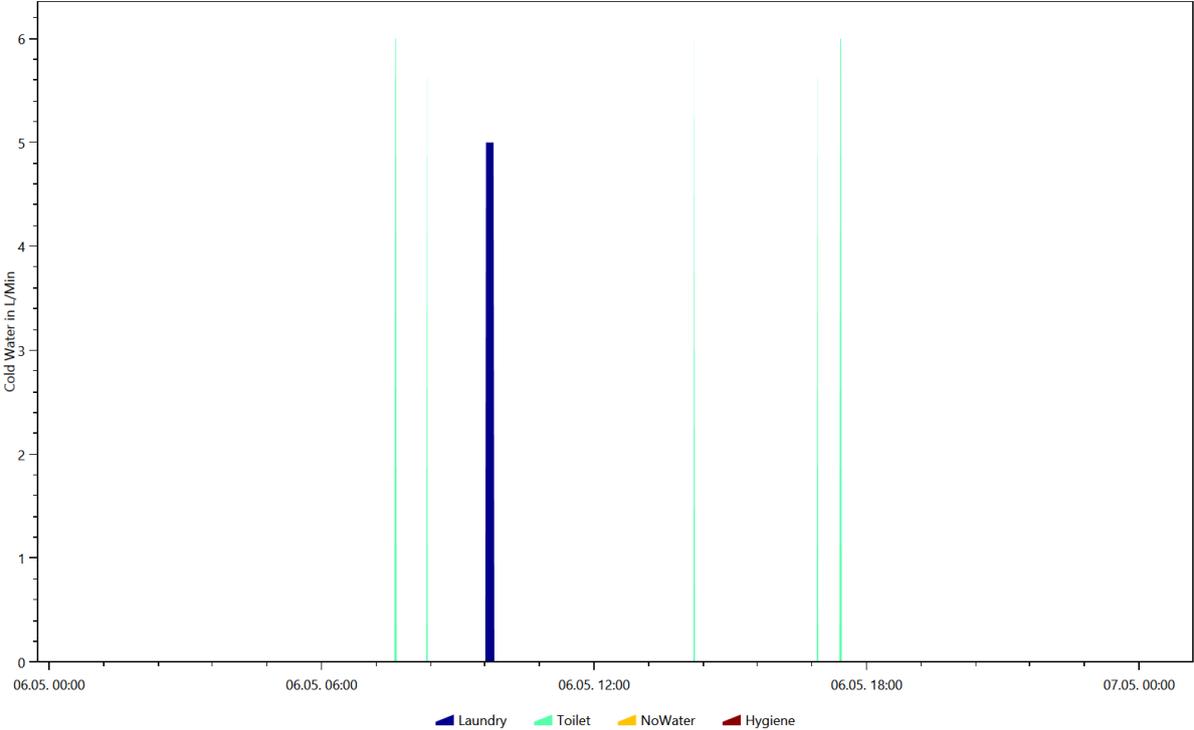
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.17



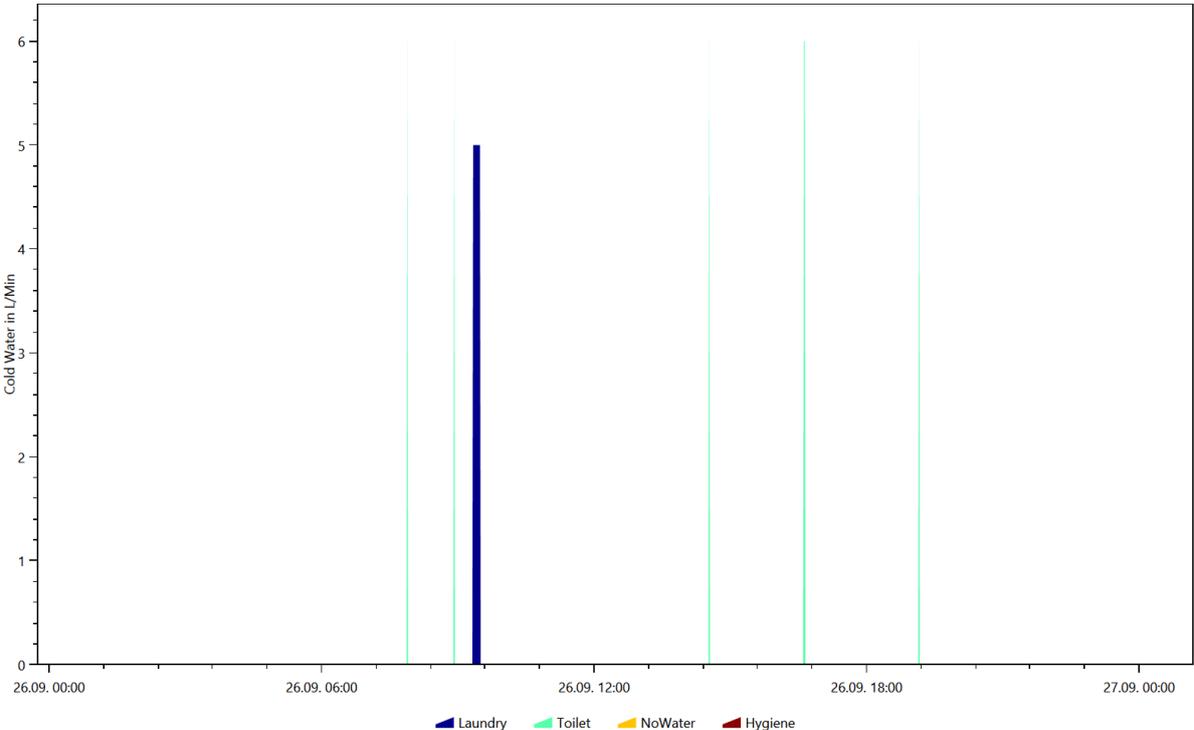
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.31



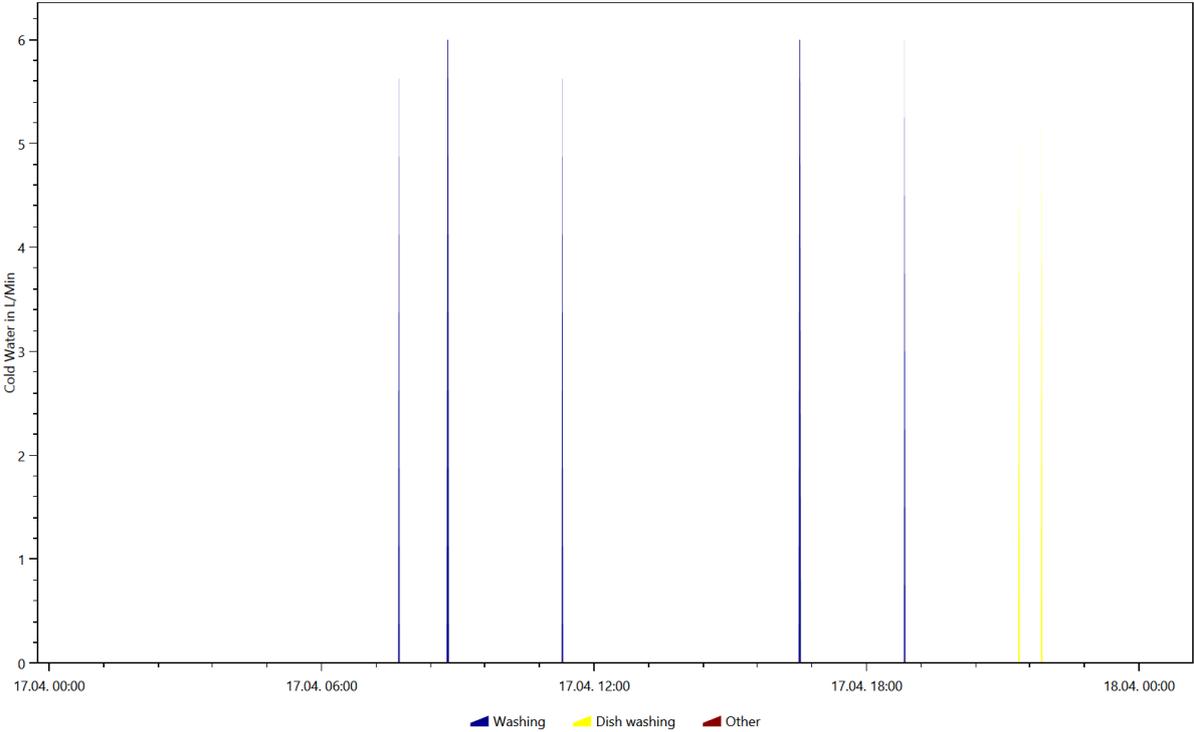
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.6



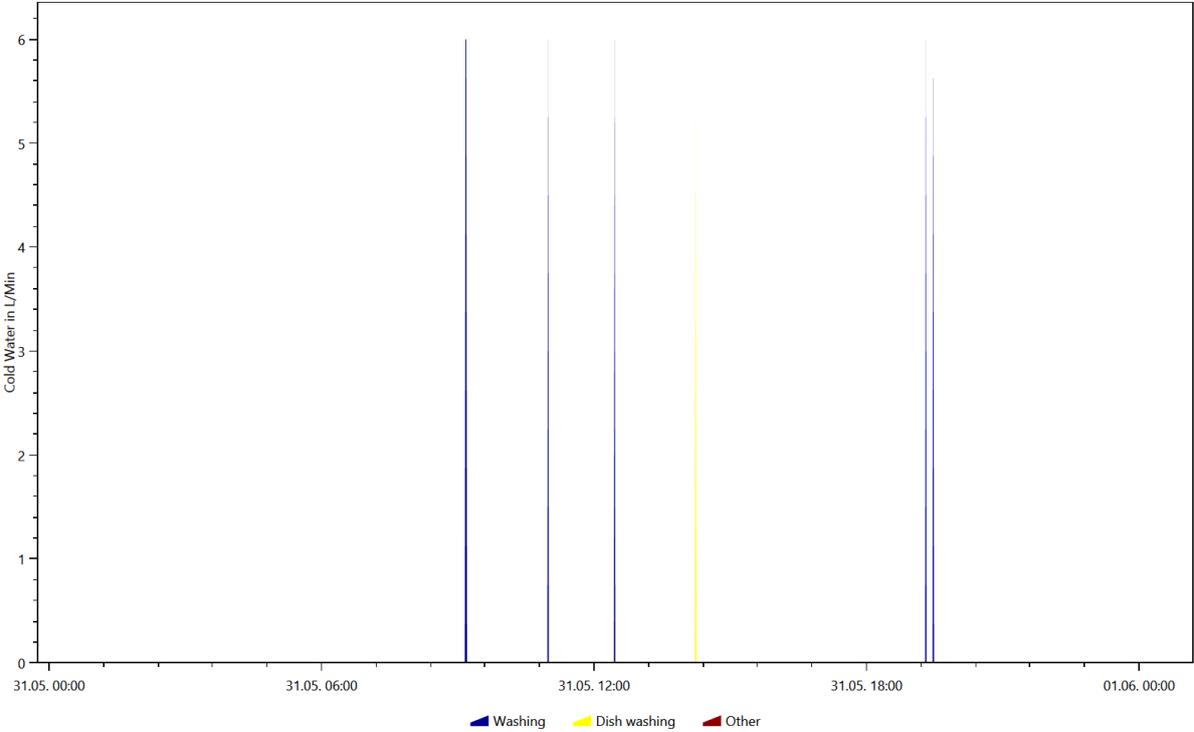
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.26



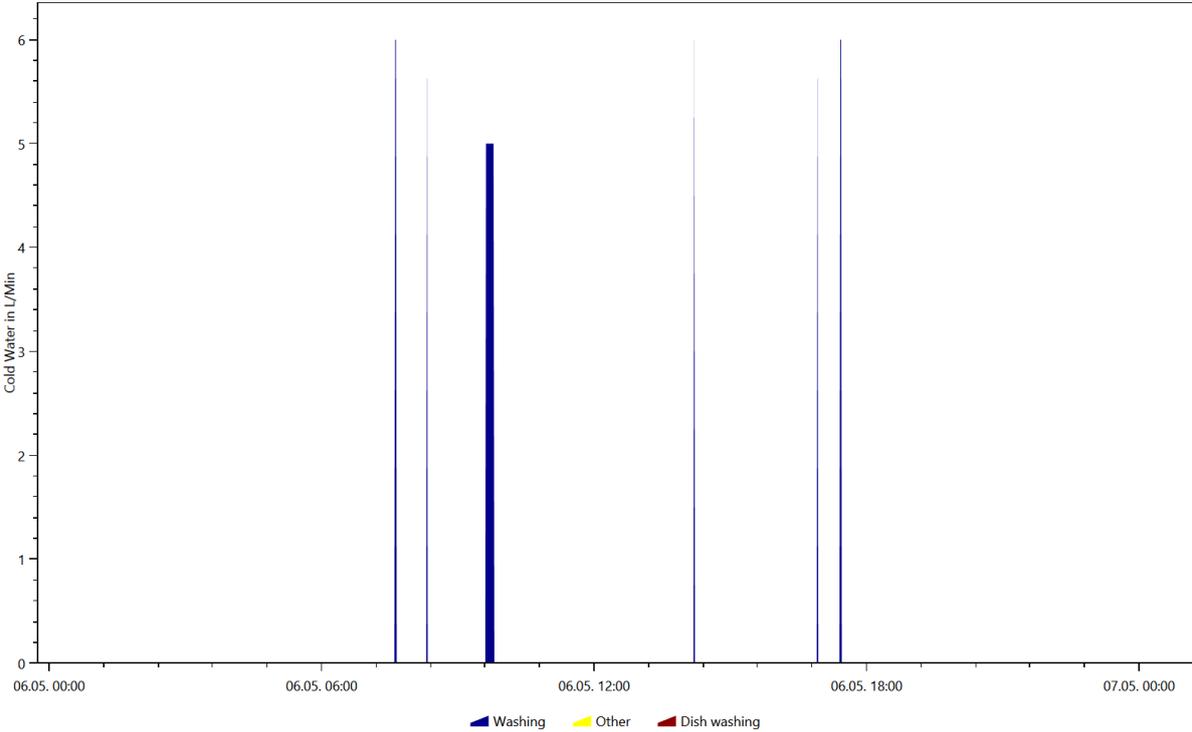
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.17



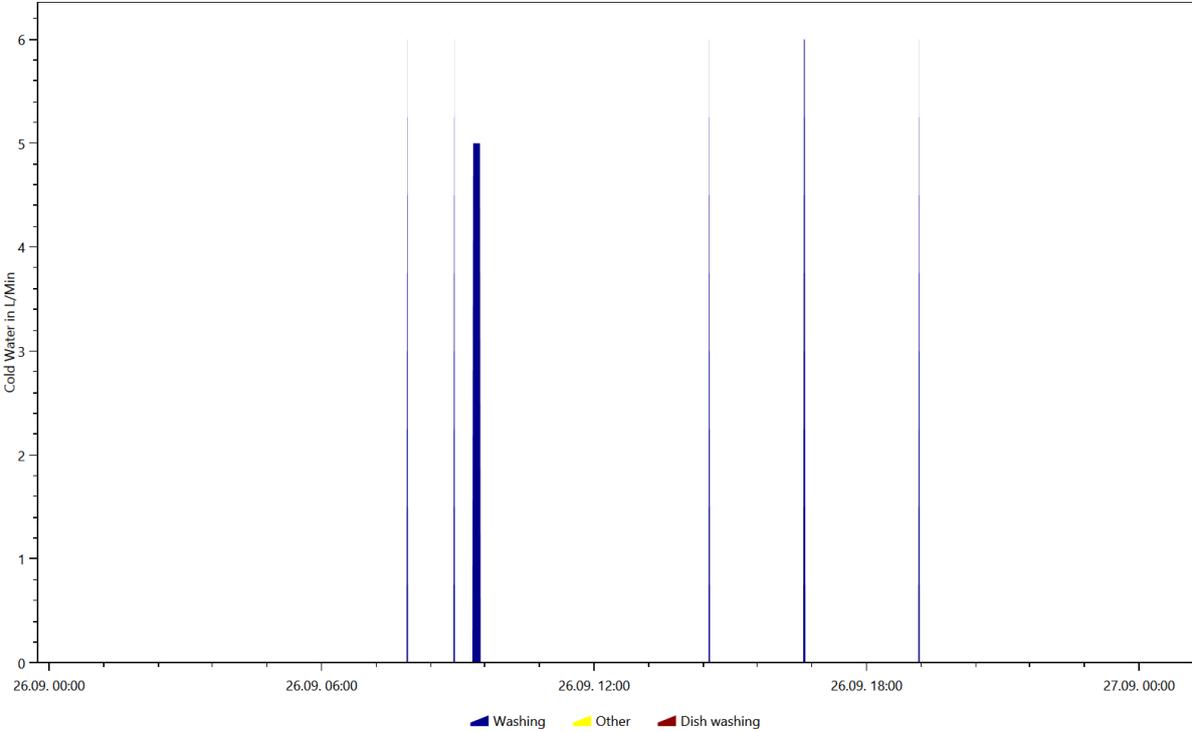
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.31



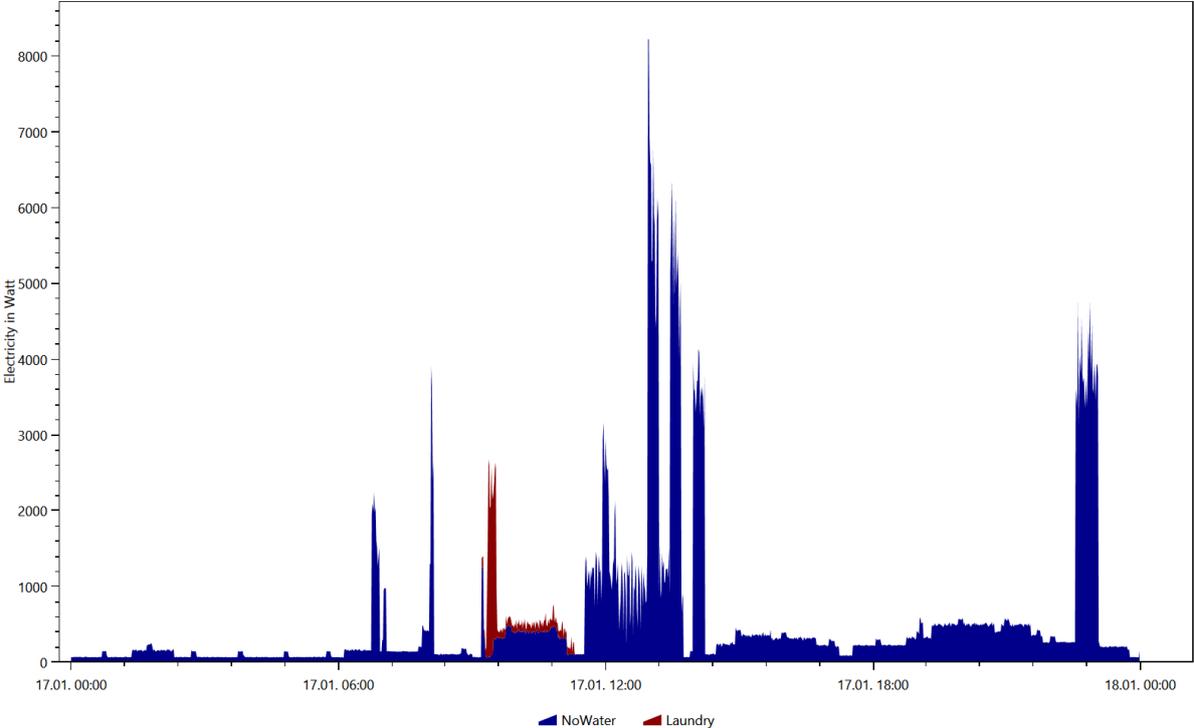
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.6



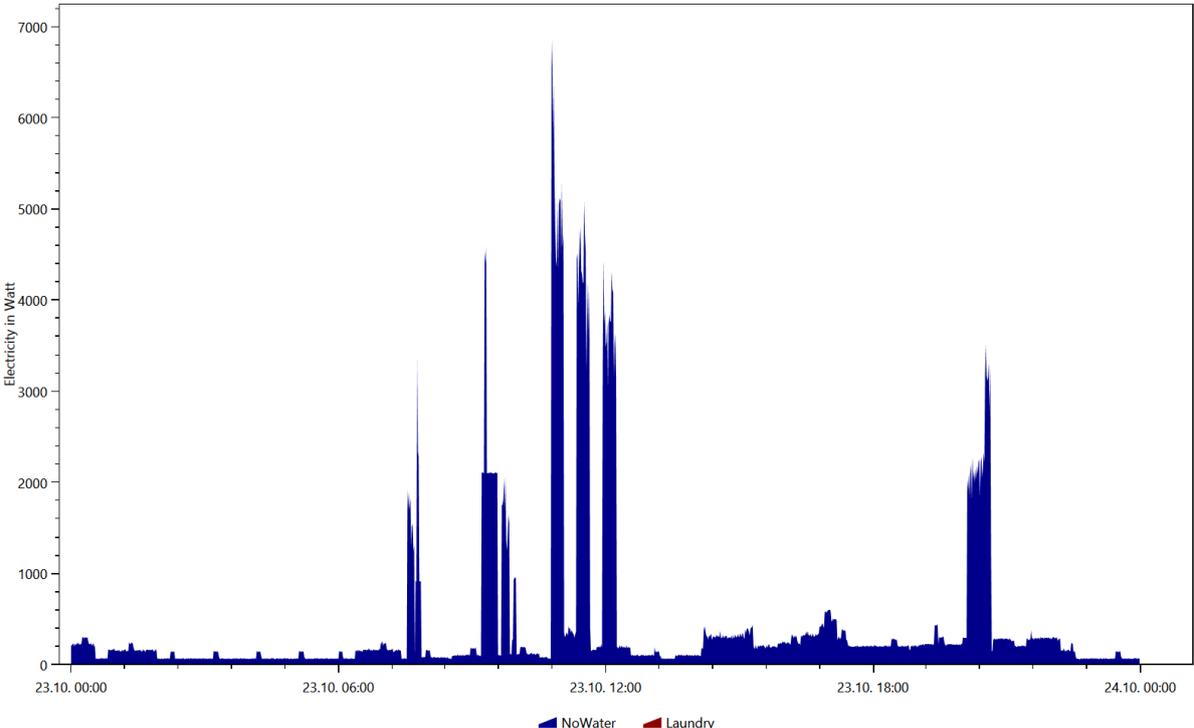
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.26



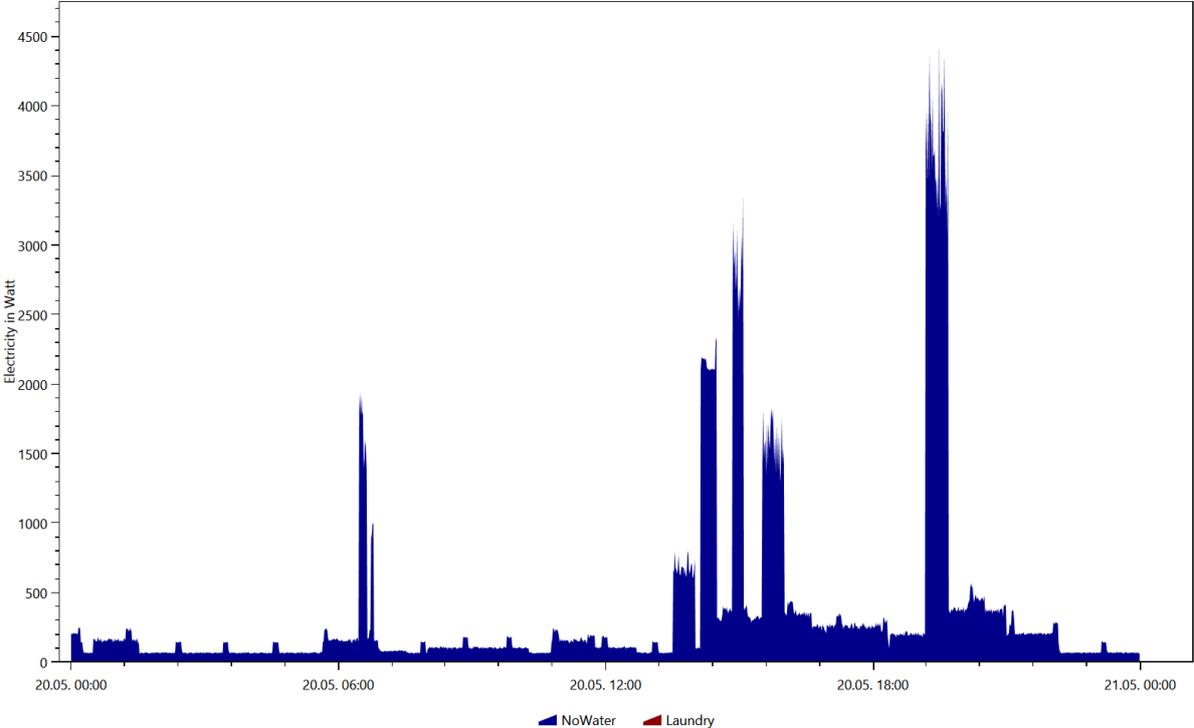
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.17



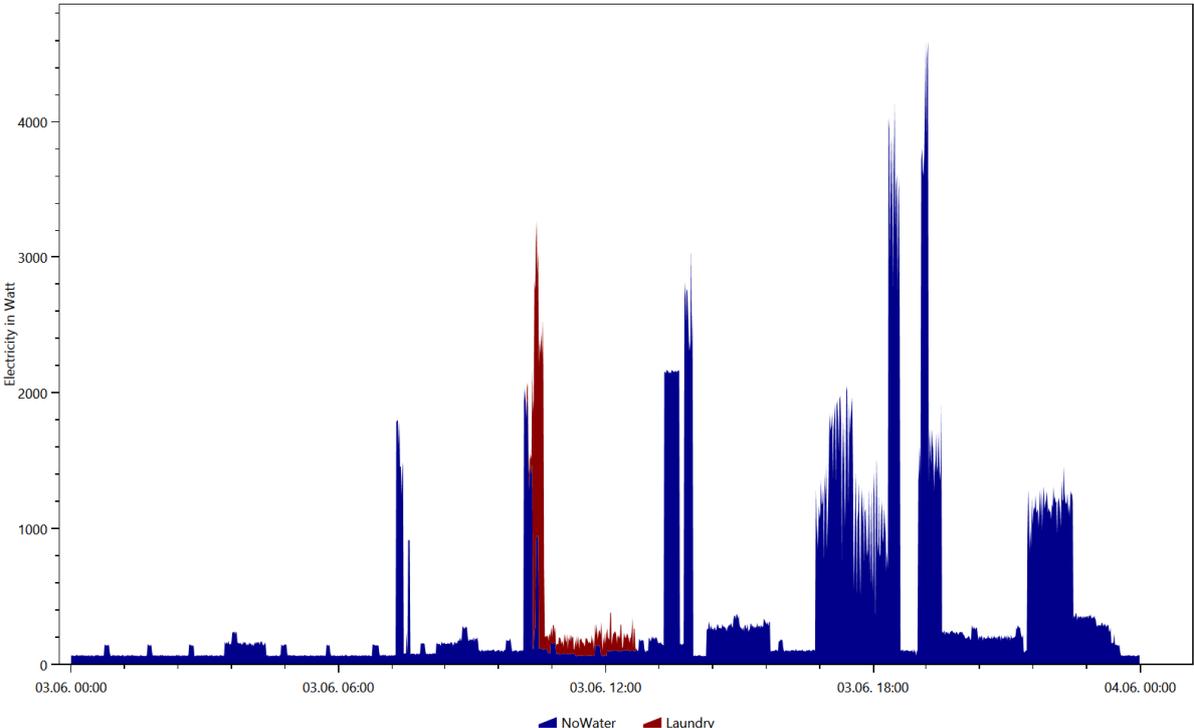
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.23



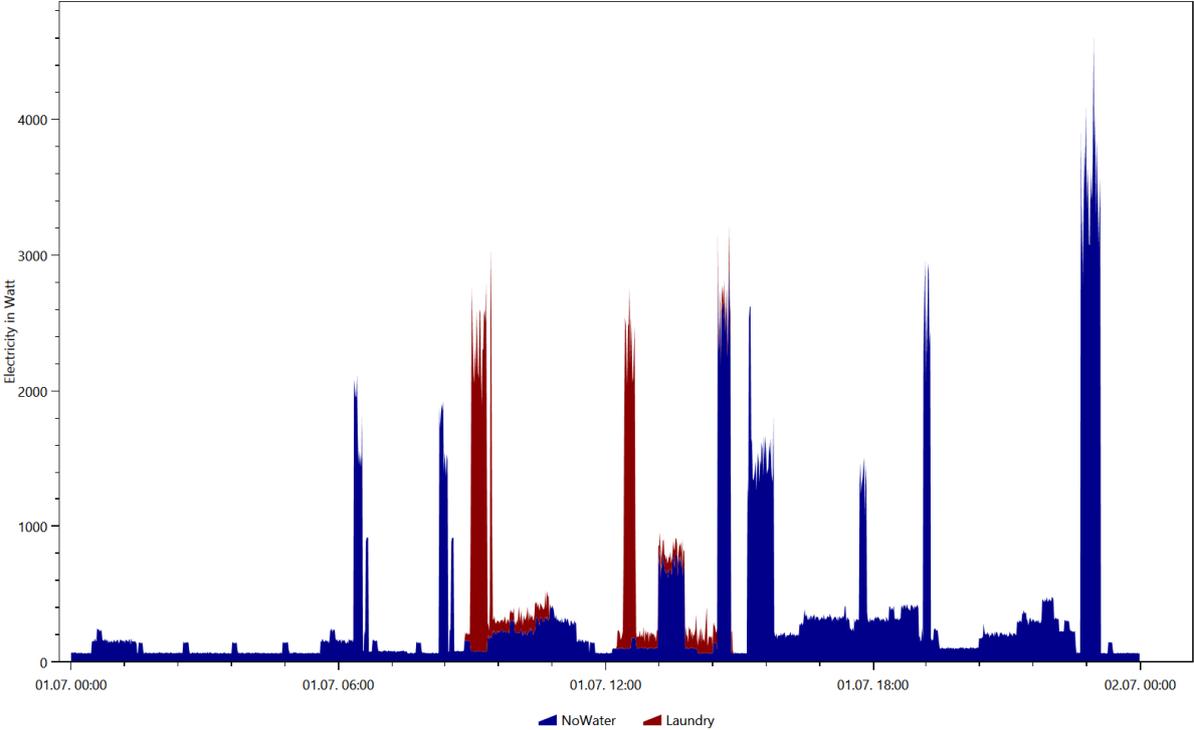
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.20



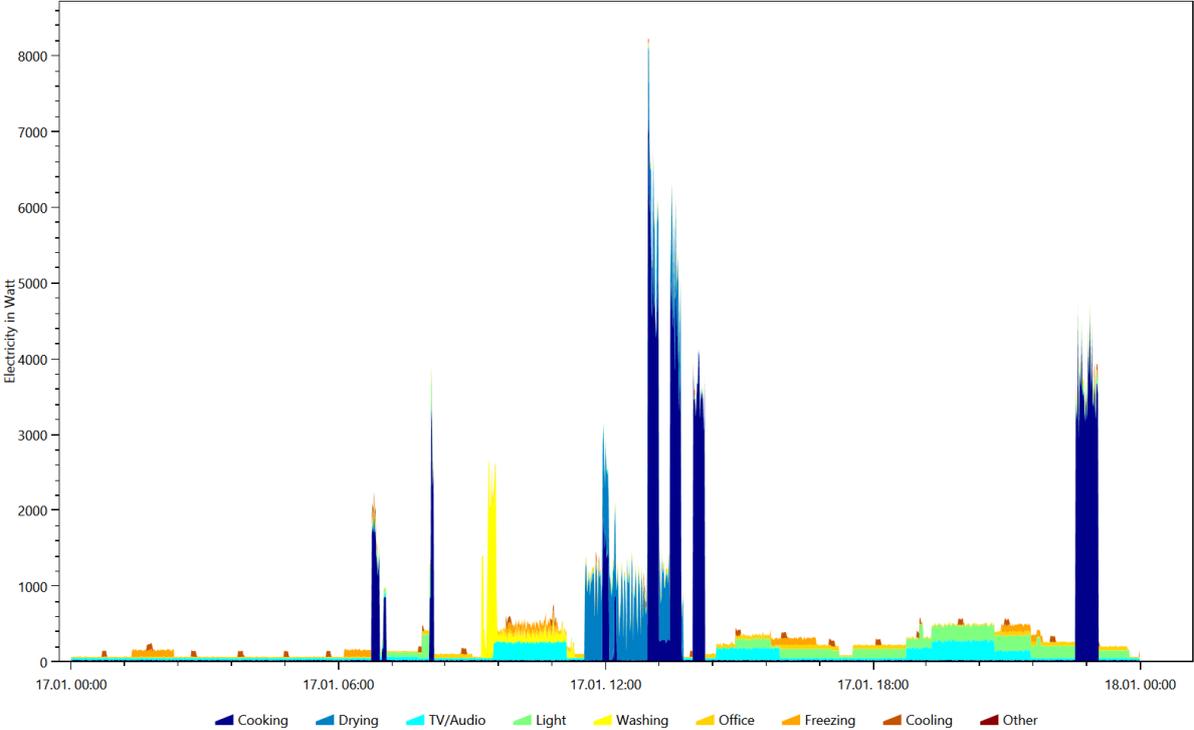
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.3



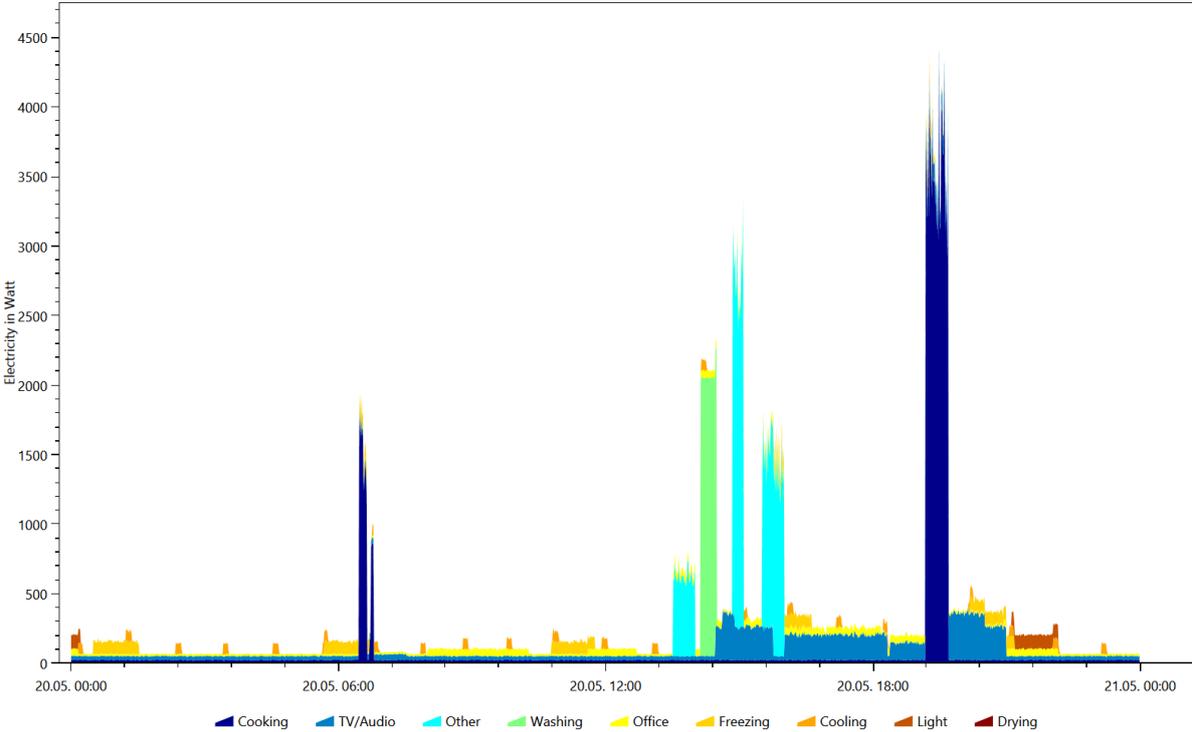
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.1



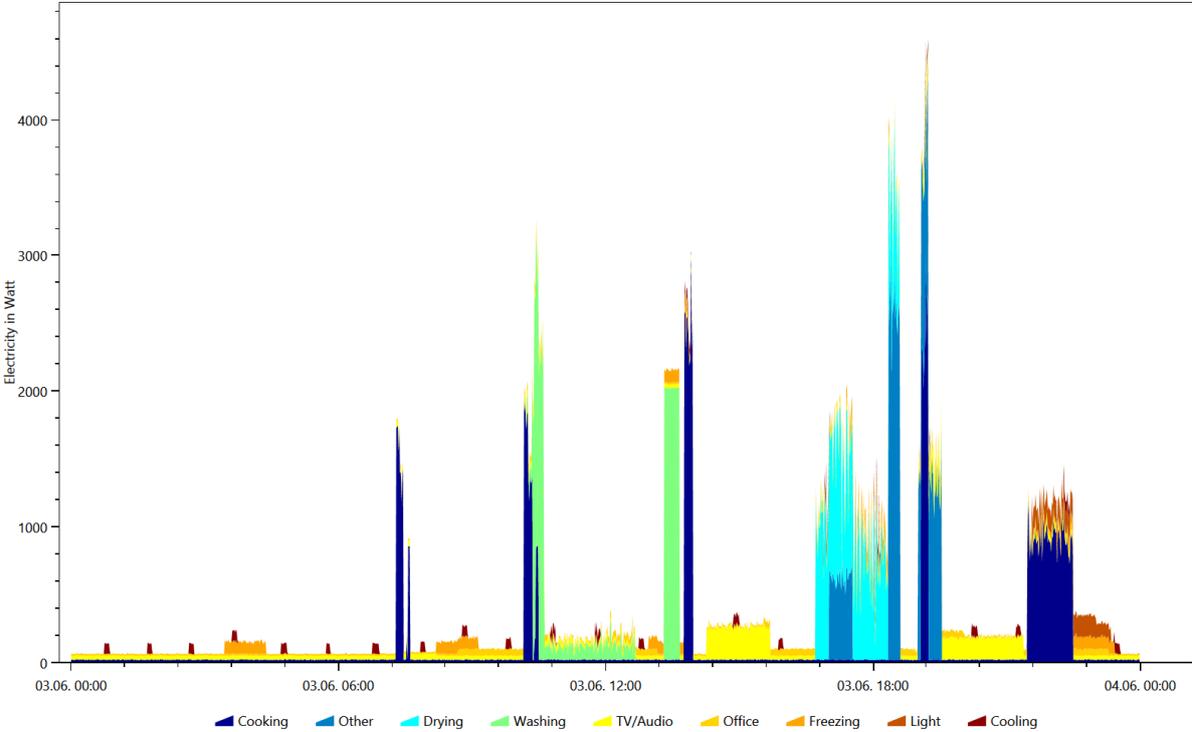
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.17



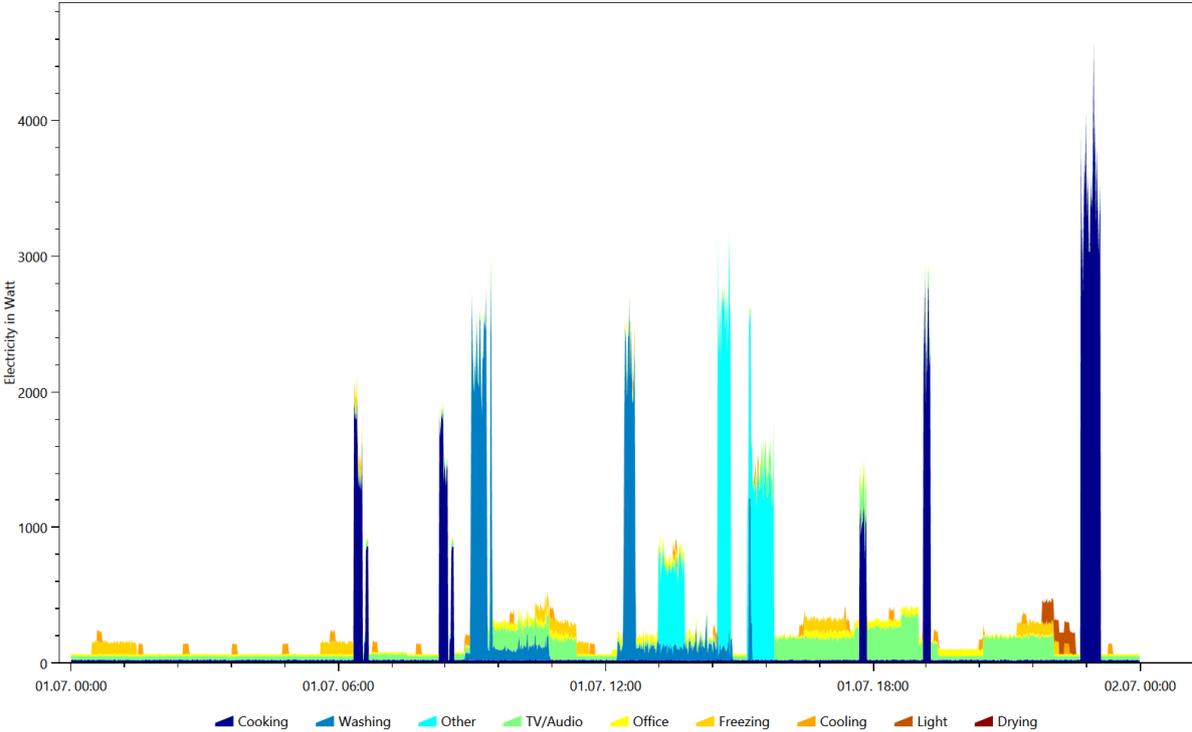
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.20



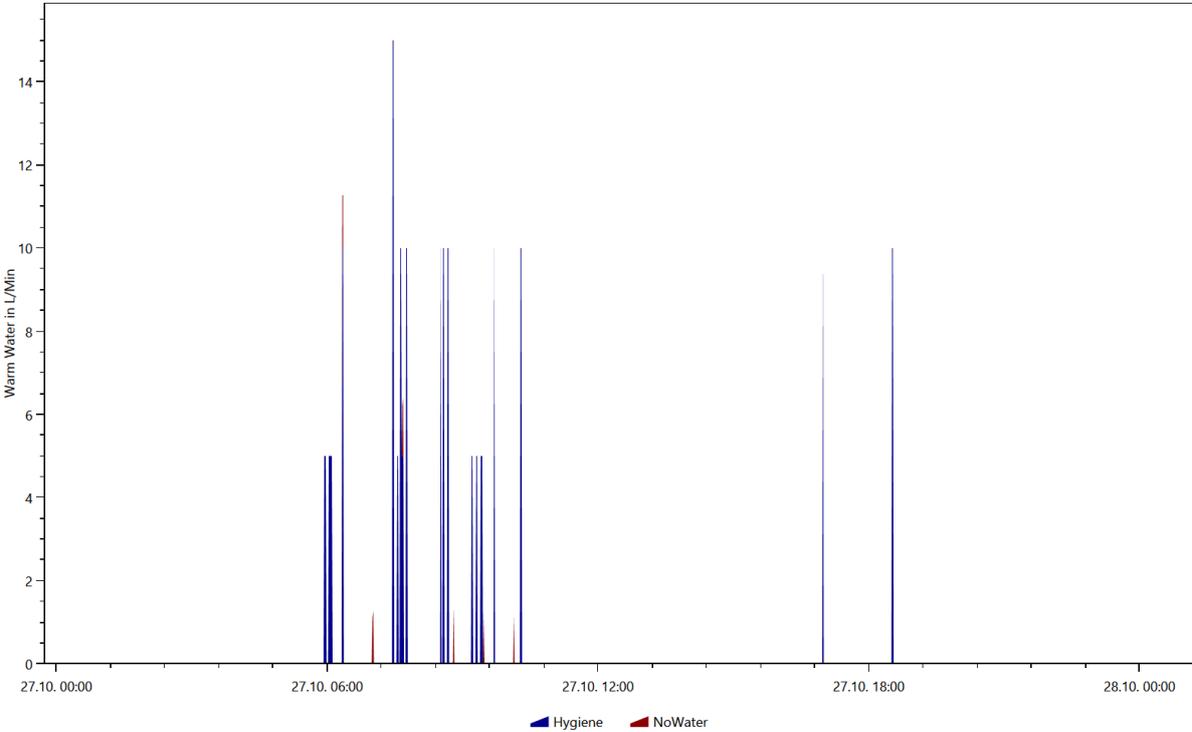
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.3



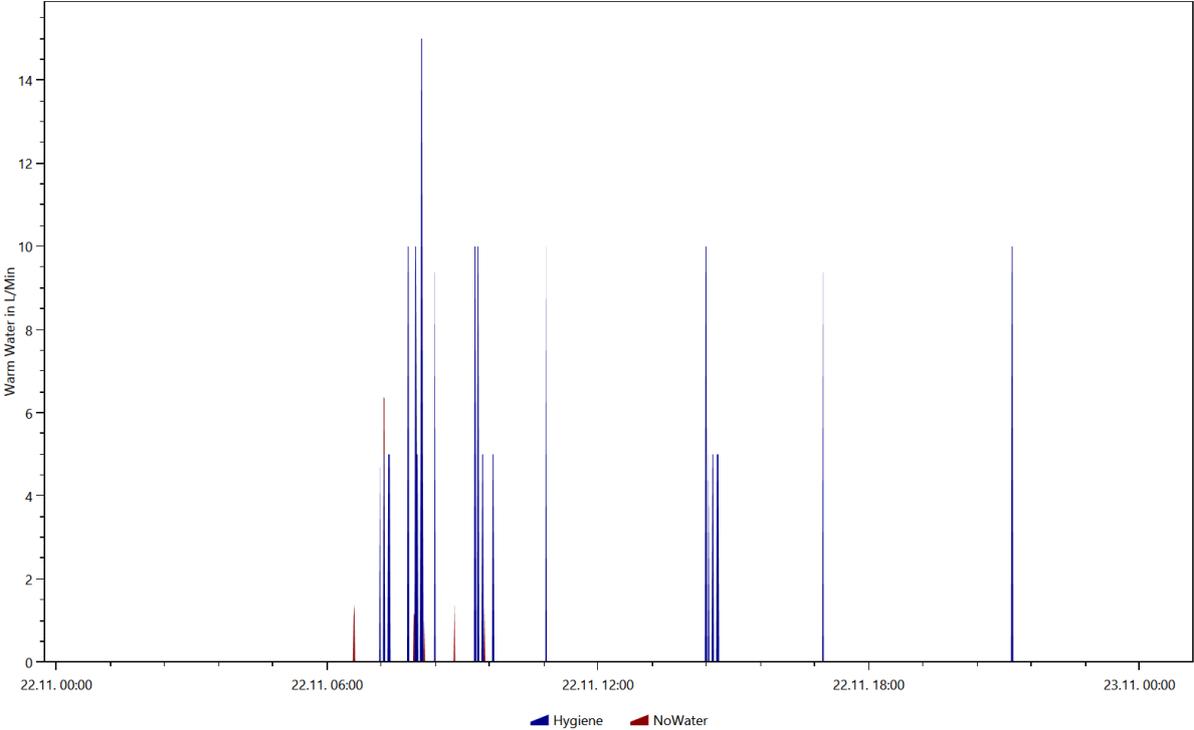
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.1



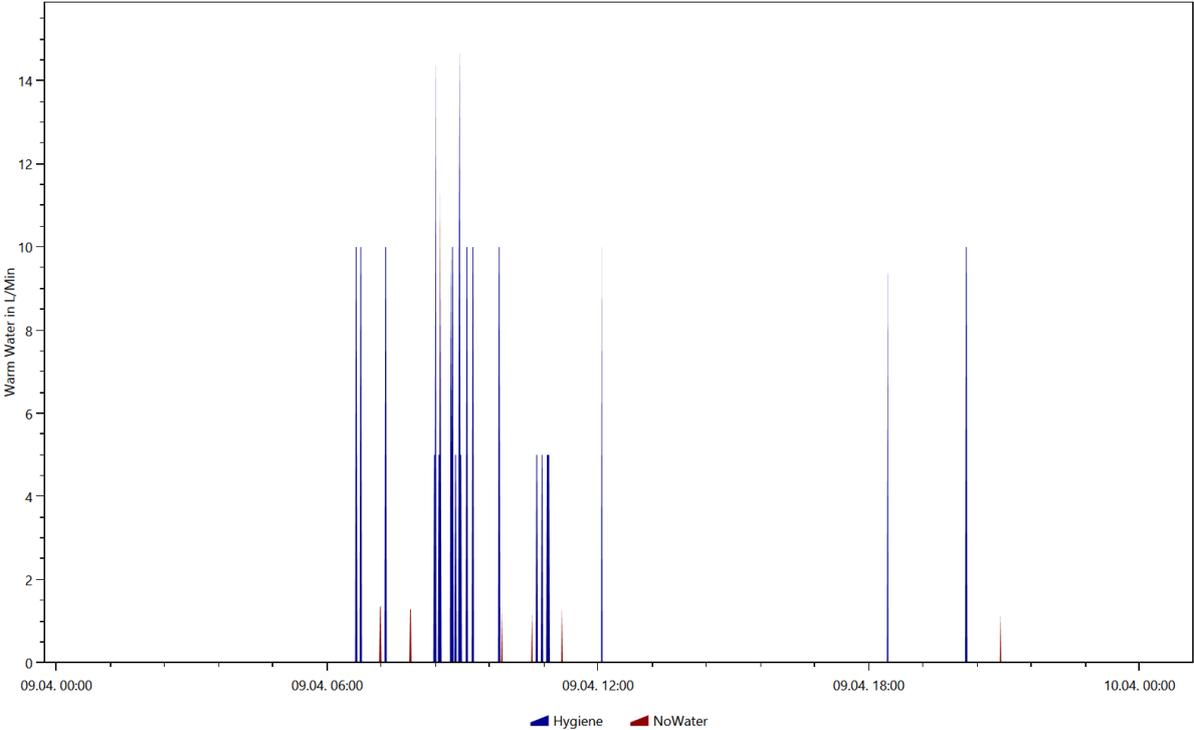
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.27



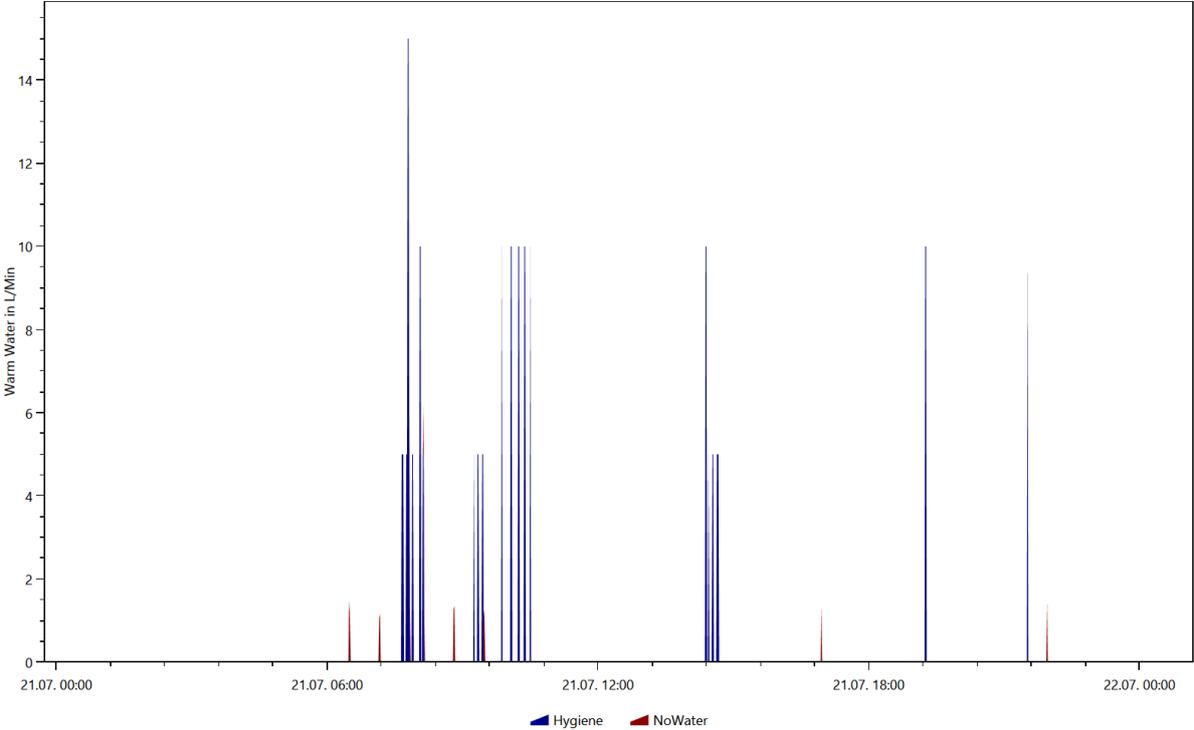
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.22



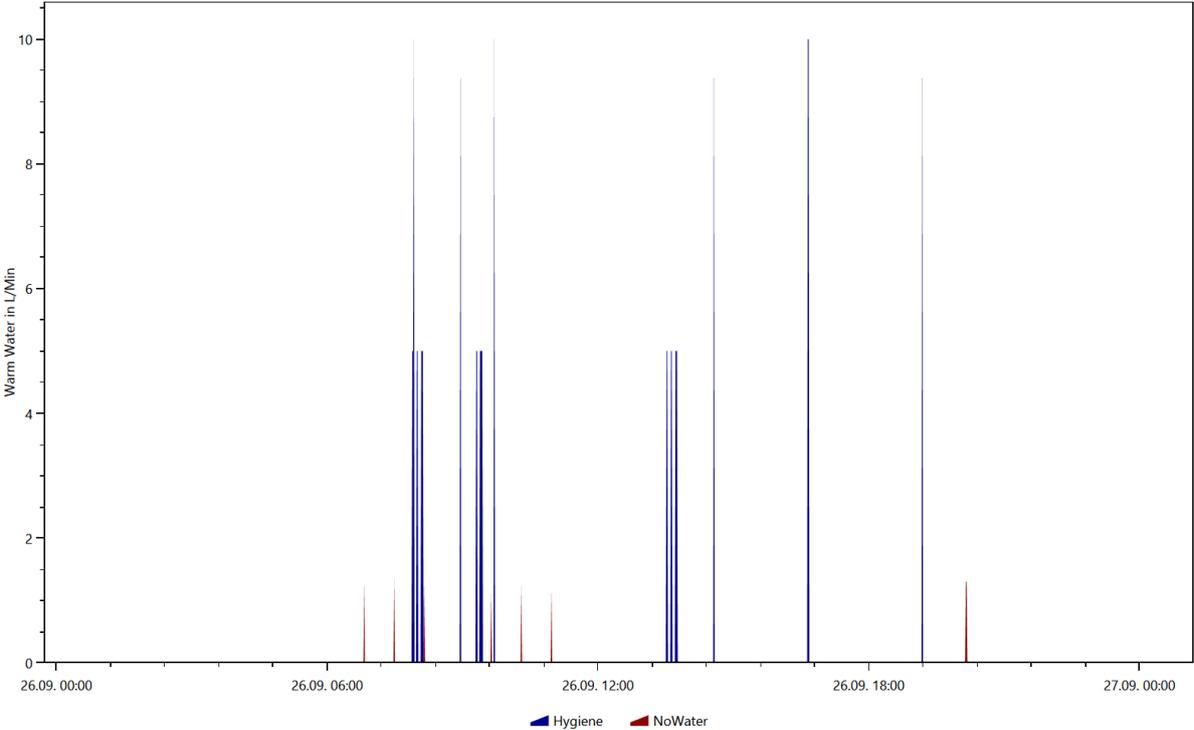
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.9



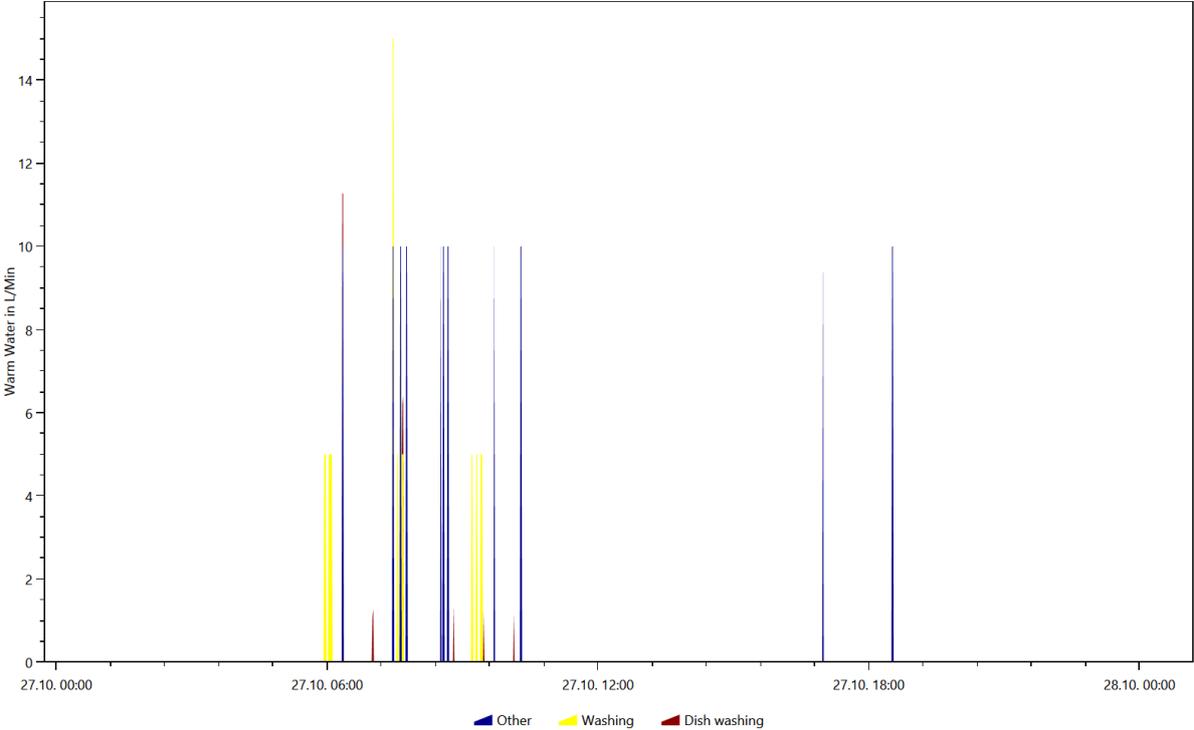
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.21



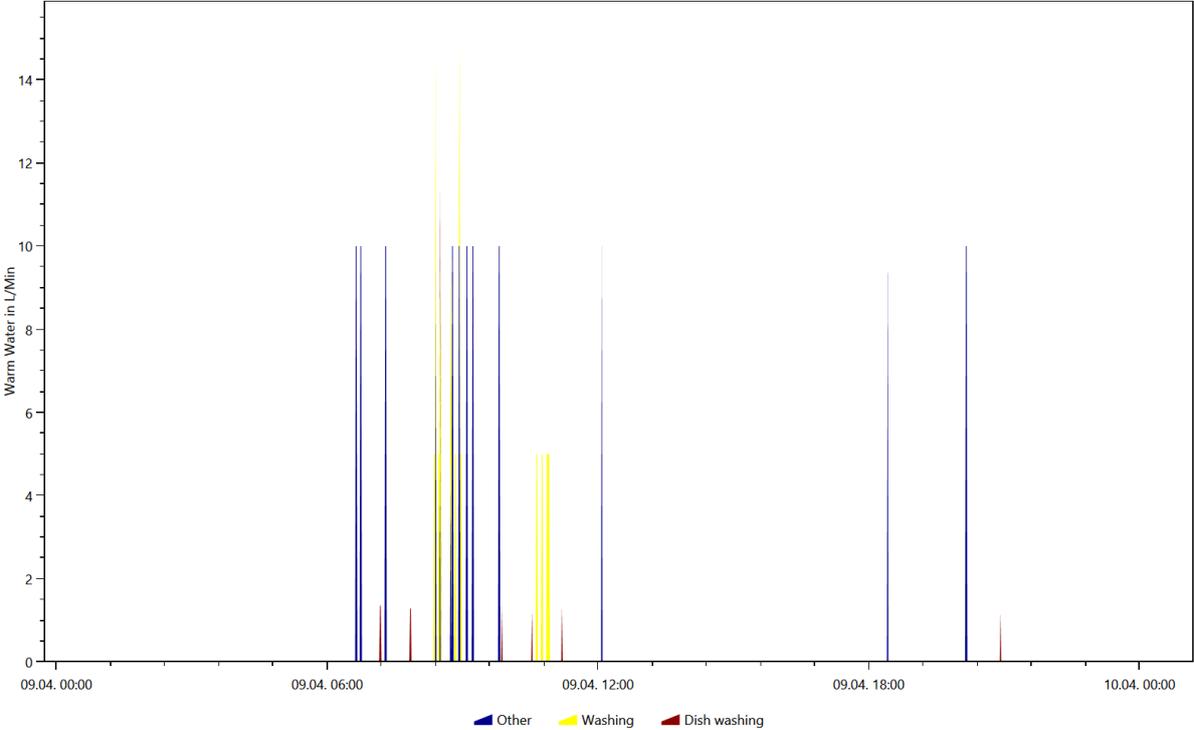
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.26



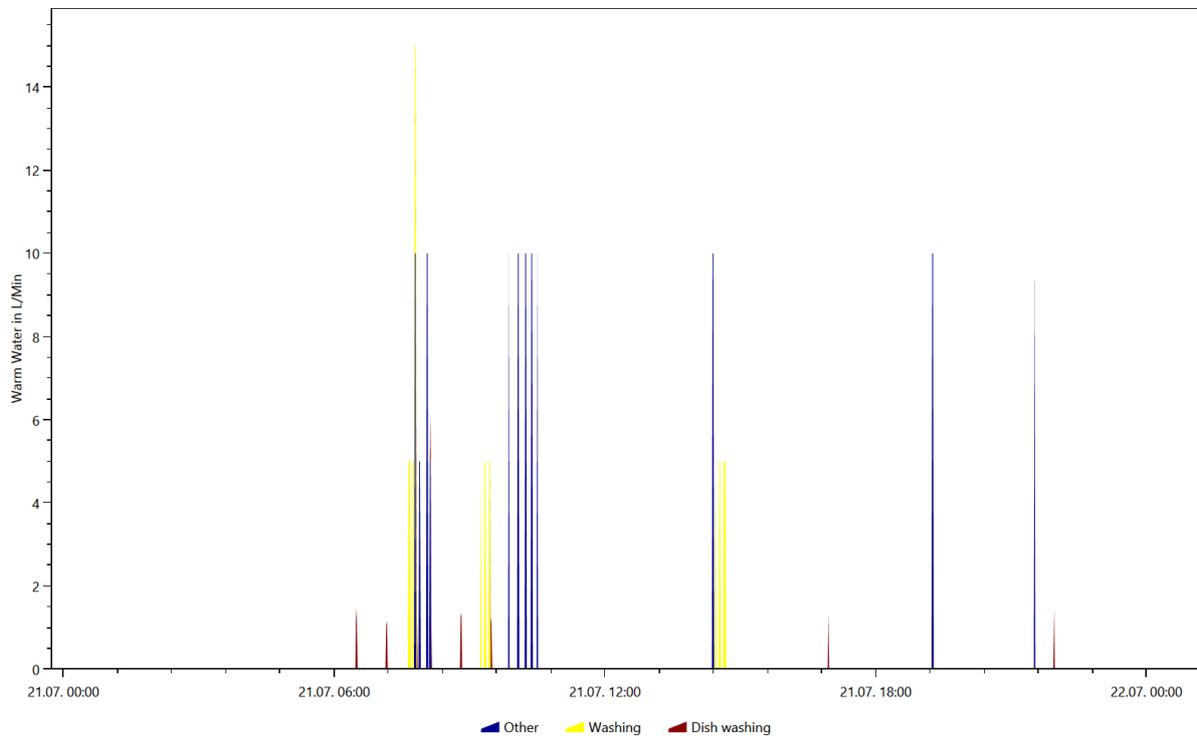
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.10.27



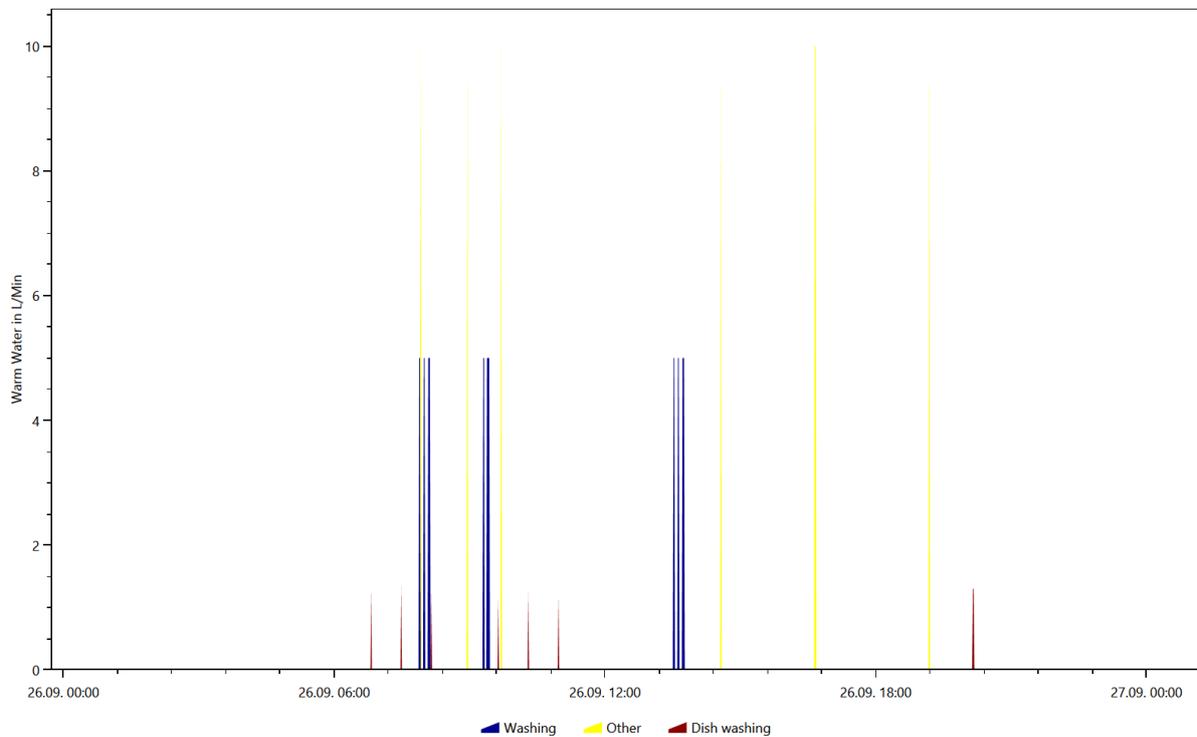
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.9



## Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.21



## Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.26

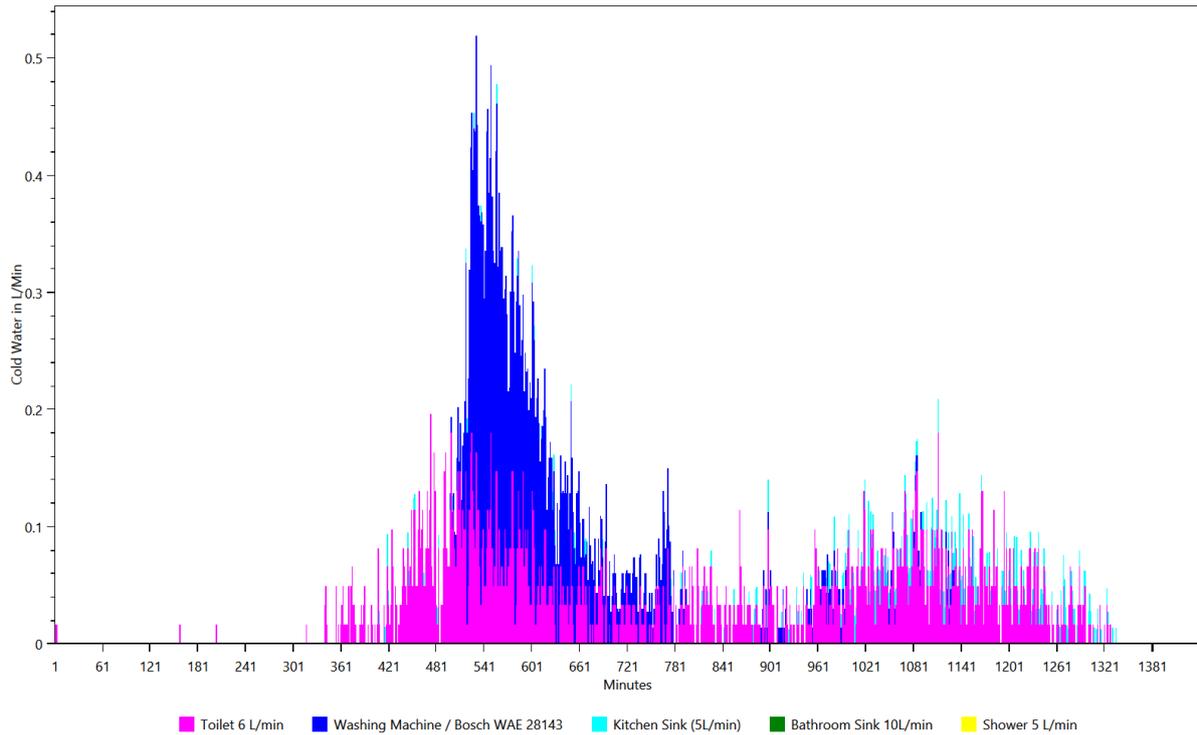


# Overview of the time and power of the use per load type per device

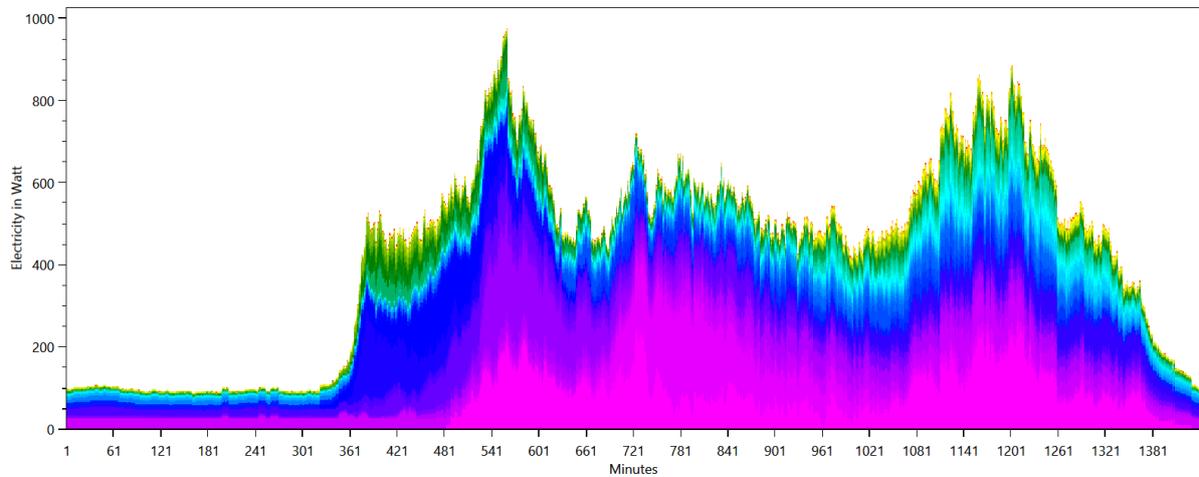
This is made from the files starting with: **TimeOfUseEnergyProfiles**

The time of use energy profiles show when each device was used and how much power it used.

## Cold Water

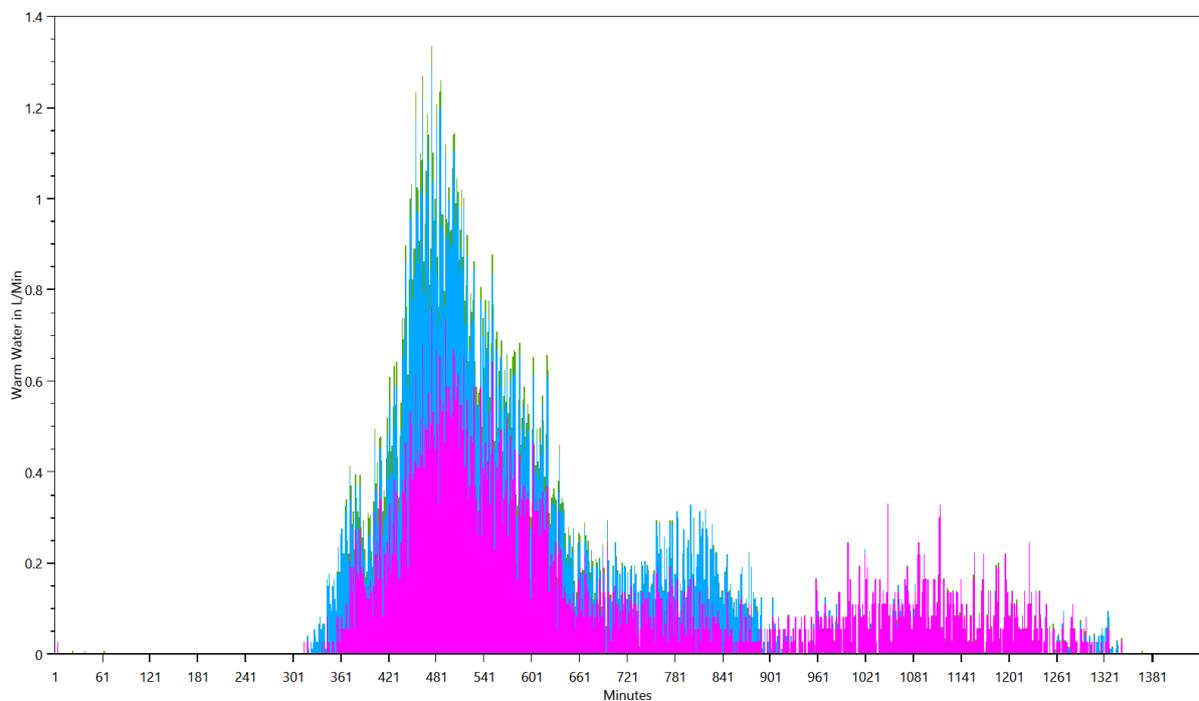


## Electricity



- Oven / AEG B 33512-5-M
- Laptop Lenovo Thinkpad x220
- Heater / Honeywell BH-888E
- Siemens KI 20 LA 65 (A+)
- Single Stove Plate
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Toaster Salco MT 400
- Moulinex electronic 833
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Children Room Light (100W)
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove left hind- semi aktiv
- Handmixer / Phillips Robust HR 1581
- Bathroom Mirror Light 10 W (LED)
- Dryer / Miele T 8626 WP
- Hair Dryer Babylliss 2000
- Yamaha RX-V667
- Home Cinema System / Samsung HT-D5550
- Hifi System / Sharp XL-HF300PH
- Hedge Trimmer / Bosch AHS 550-24 ST
- Kitchen Light (60W)
- Extractor Hood / Miele DA 429-4
- Canister Vacuum Cleaner / Siemens Z6.0 VSZ61260
- Electric Tooth Brush / Phillips HX9332
- Ricecooker / Tristar RK-6112
- Bedroom Light (20W)
- Miele DA 61
- Braun Multiquick 3 MR 300 Soup
- Microwave / Panasonic NN-CD757W
- Phillips 32-9615
- Washing Machine / Bosch WAE 28143
- Living Room Light (100W)
- Coffee Machine / Braun KF 580E
- Lawn Mower / Sabo 36-EL SA 752
- Atika LH 2500 G
- Router O2 Box 6431
- Fondue / Unold 48746 Asia
- TV / Phillips Goya 9770 VT
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right-semi aktiv
- SAT Receiver / Kathrein UFS913
- CD/DVD Player / Philips DVDR 725 H
- Electric Kettle / Phillips Essential HD 4685/90 Schwarz
- Bathroom Light (200W)
- Phone Siemens Gigaset C320
- Canister Vacuum Cleaner / Siemens Z6.0 VSZ61260
- Kitchen radio / AEG KRC 4323 CD
- Food Slicer / DOMO Schneidemaschine DO5215
- Electric Razor / Phillips PT860/16 Razor PowerTouch Plus

## Warm Water



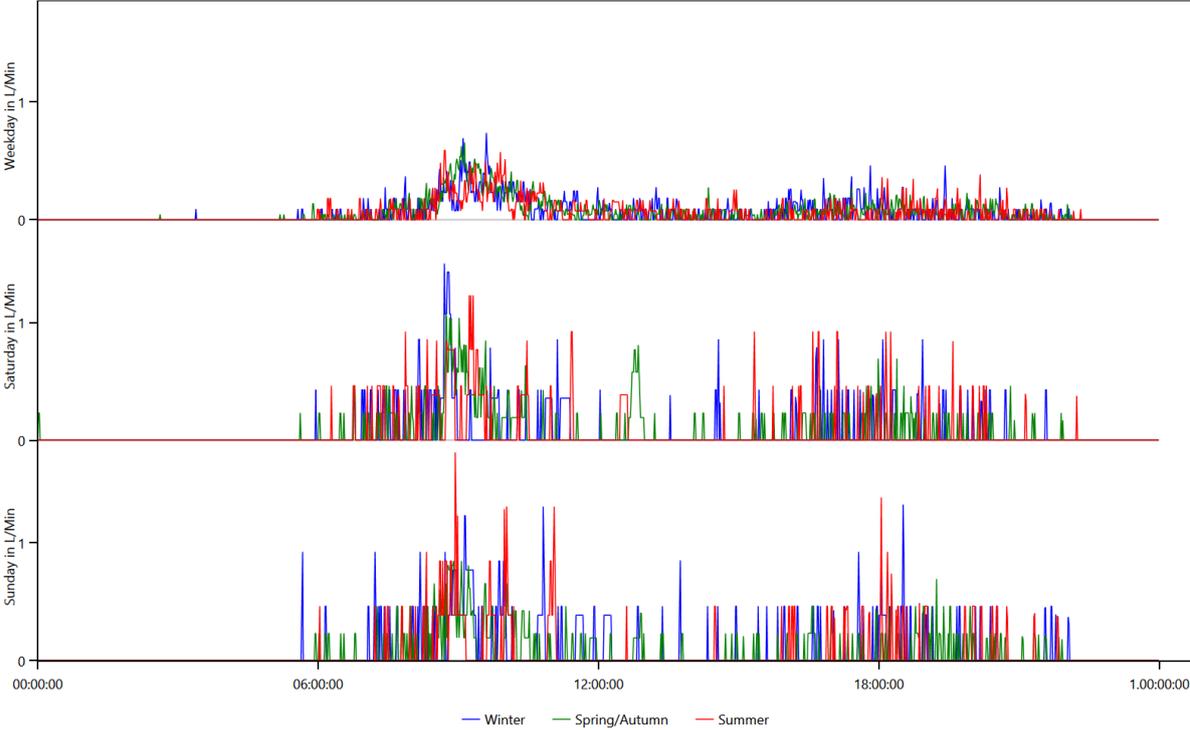
- Bathroom Sink 10L/min
- Shower 5 L/min
- Kitchen Sink (5L/min)

# Energy use per load type during different seasons, split by weekday/saturday/sunday

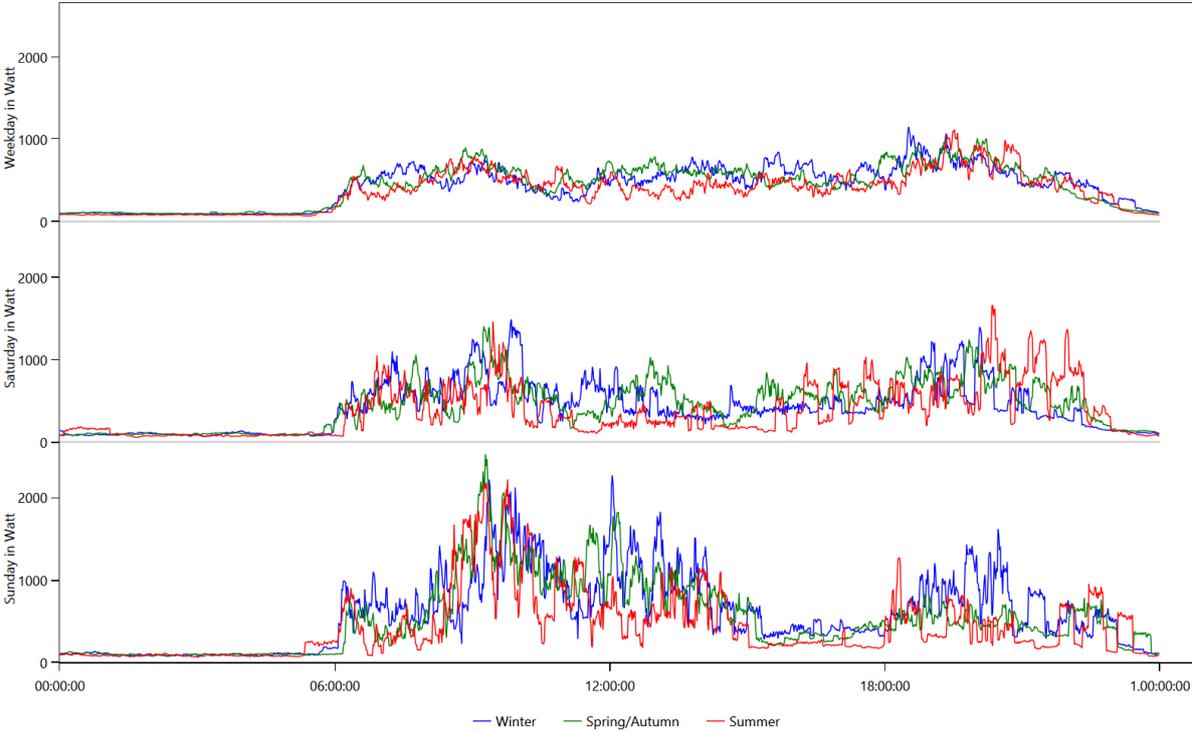
This is made from the files starting with: WeekdayProfiles

This graph shows for each load type the average power consumption per day grouped byseason and weekday/saturday/sunday.

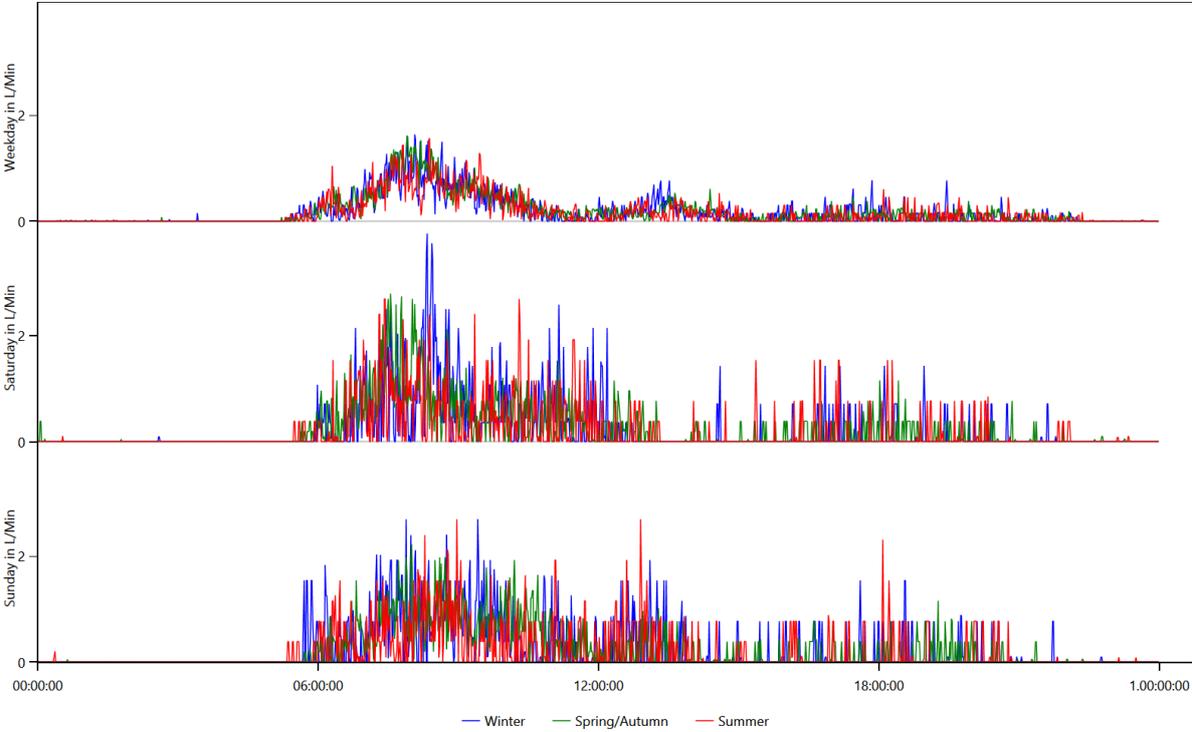
## Cold Water



# Electricity



# Warm Water

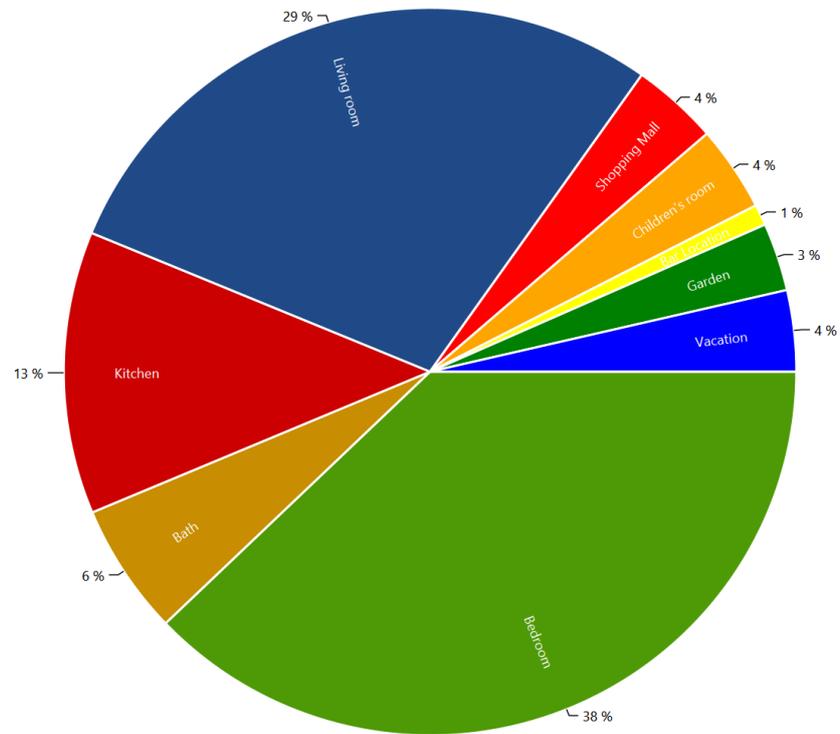


# Location Distribution per Person

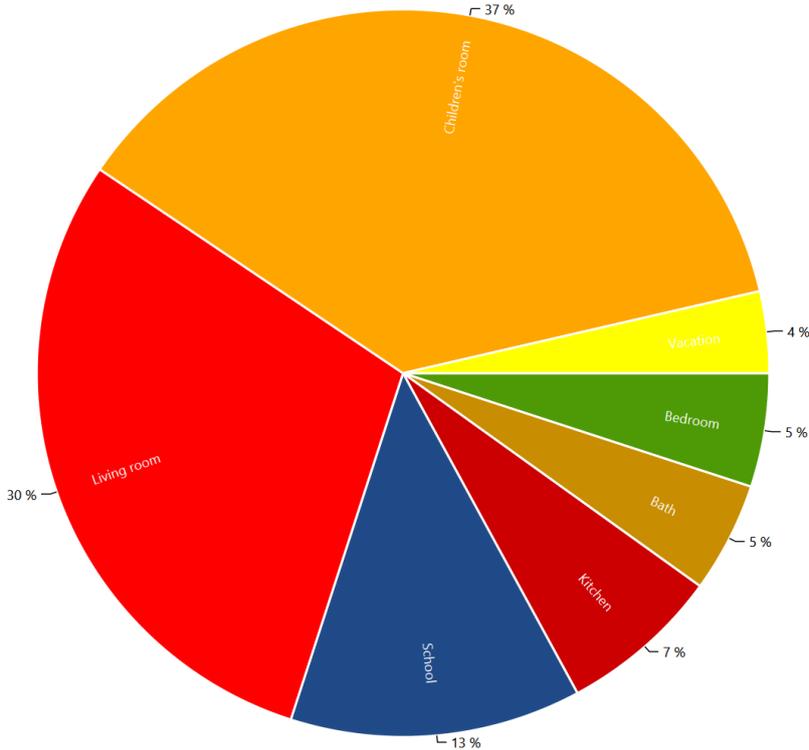
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

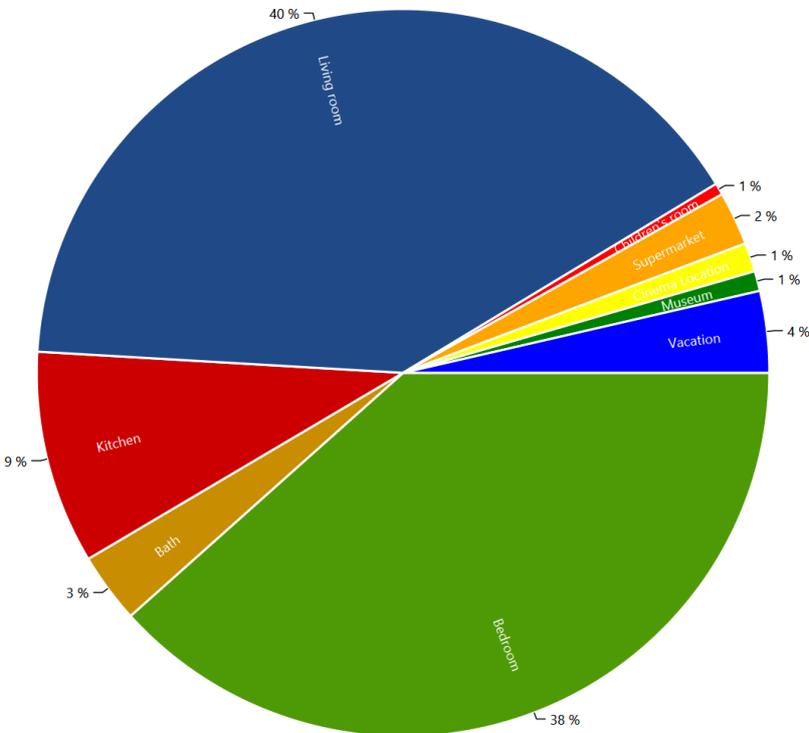
CHR49 March (37 Female)



CHR49 Michelle (13 Female)



CHR49 Wilhelm (45 Male)



# Actions.csv

## This is made from the files starting with: Actions

These files show the actions of each person in the household. The content looks like this:

Actions.HH0.csv

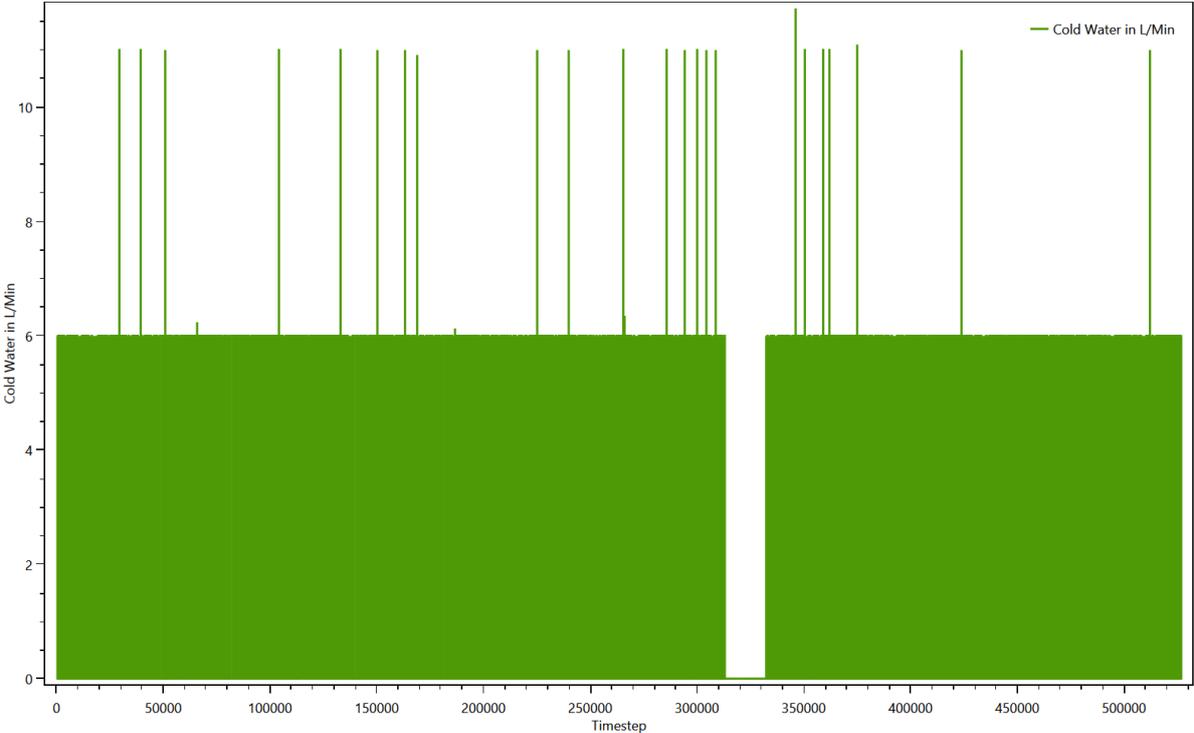
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick  
0;01.01.2016 00:00;CHR49 March (37/Female);sleep bed 02 (08 h);sleep;False;  
0;01.01.2016 00:00;CHR49 Michelle (13/Female);sleep bed 03 (10 h) Child;sleep;False;  
0;01.01.2016 00:00;CHR49 Wilhelm (45/Male);sleep bed 08 (08 h);sleep;False;  
373;01.01.2016 06:13;CHR49 Wilhelm (45/Male);get ready in the morning (men);hygiene;False;  
384;01.01.2016 06:24;CHR49 Wilhelm (45/Male);eat breakfast (1 h);cooking;False;  
395;01.01.2016 06:35;CHR49 March (37/Female);eat a cooked meal (interrupting) (eat breakfast (1 h));cooking;False;  
395;01.01.2016 06:35;CHR49 Michelle (13/Female);eat a cooked meal (interrupting) (eat breakfast (1 h));cooking;False;  
458;01.01.2016 07:38;CHR49 March (37/Female);go to the toilet;hygiene;False;  
458;01.01.2016 07:38;CHR49 Michelle (13/Female);go to grammer school ;school;False;  
458;01.01.2016 07:38;CHR49 Wilhelm (45/Male);take a shower (men);hygiene;False;  
463;01.01.2016 07:43;CHR49 March (37/Female);play board games (1 h);Offline Entertainment;False;  
477;01.01.2016 07:57;CHR49 Wilhelm (45/Male);go to the toilet;hygiene;False;  
482;01.01.2016 08:02;CHR49 Wilhelm (45/Male);use the laptop for Internet, Movie, Music, News (2 h);Active Entertainment (Computer, Internet etc);False;  
527;01.01.2016 08:47;CHR49 March (37/Female);take a shower without hair washing (women);hygiene;False;  
588;01.01.2016 09:48;CHR49 March (37/Female);eat breakfast (1 h);cooking;False;  
602;01.01.2016 10:02;CHR49 Wilhelm (45/Male);rest for 10 min;sleep;False;  
611;01.01.2016 10:11;CHR49 Wilhelm (45/Male);use the laptop (1 h);Active Entertainment (Computer, Internet etc);False;  
640;01.01.2016 10:40;CHR49 March (37/Female);take a nap;sleep;False;  
670;01.01.2016 11:10;CHR49 Wilhelm (45/Male);play board games (1 h);Offline Entertainment;False;

# Sum Profiles

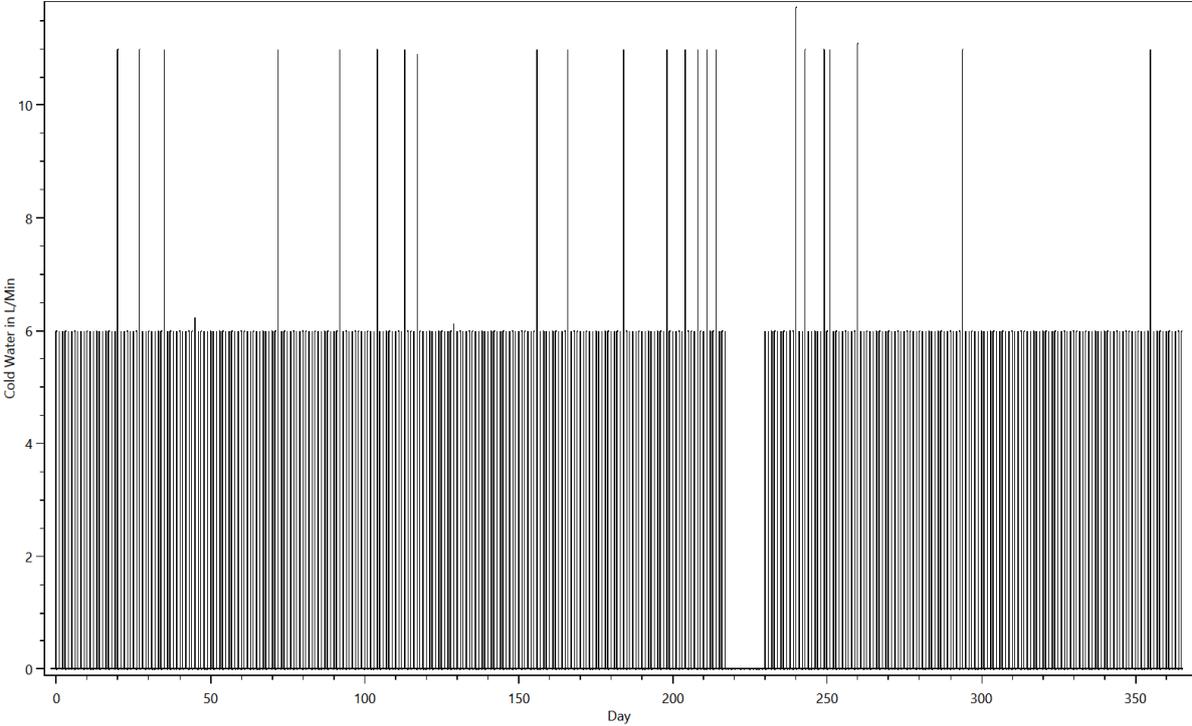
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

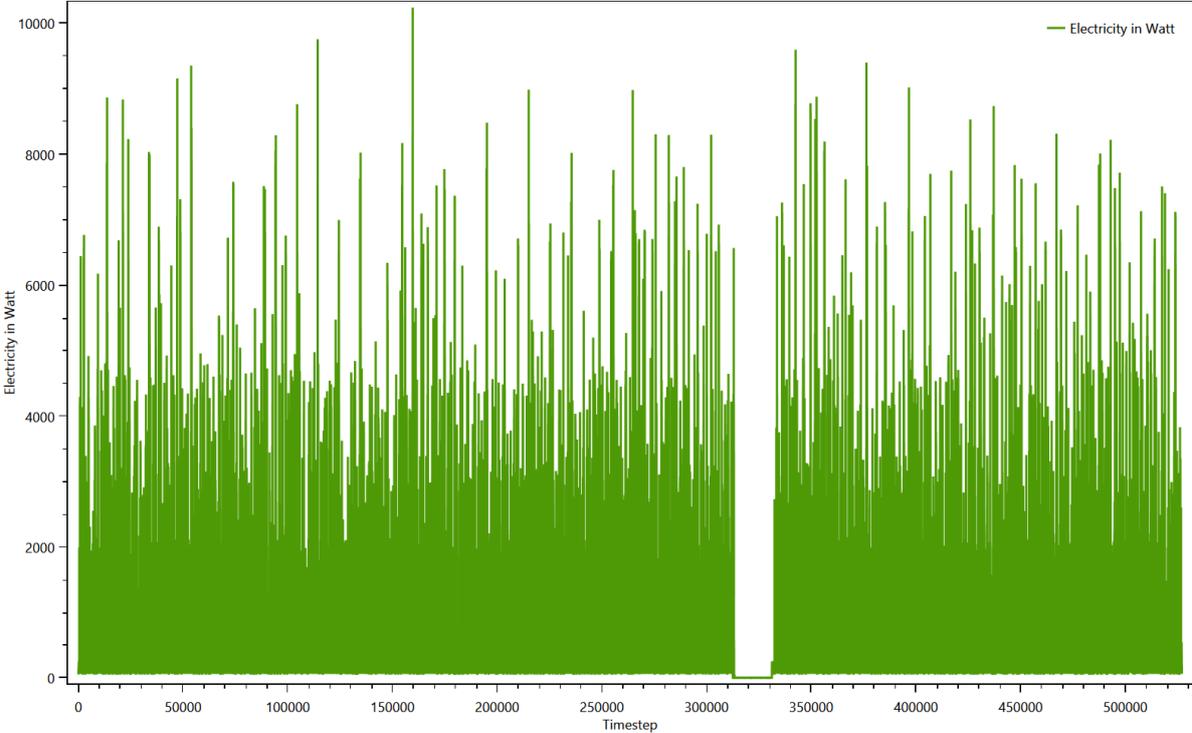
Summed up curve for Cold Water from SumProfiles.Cold Water.png



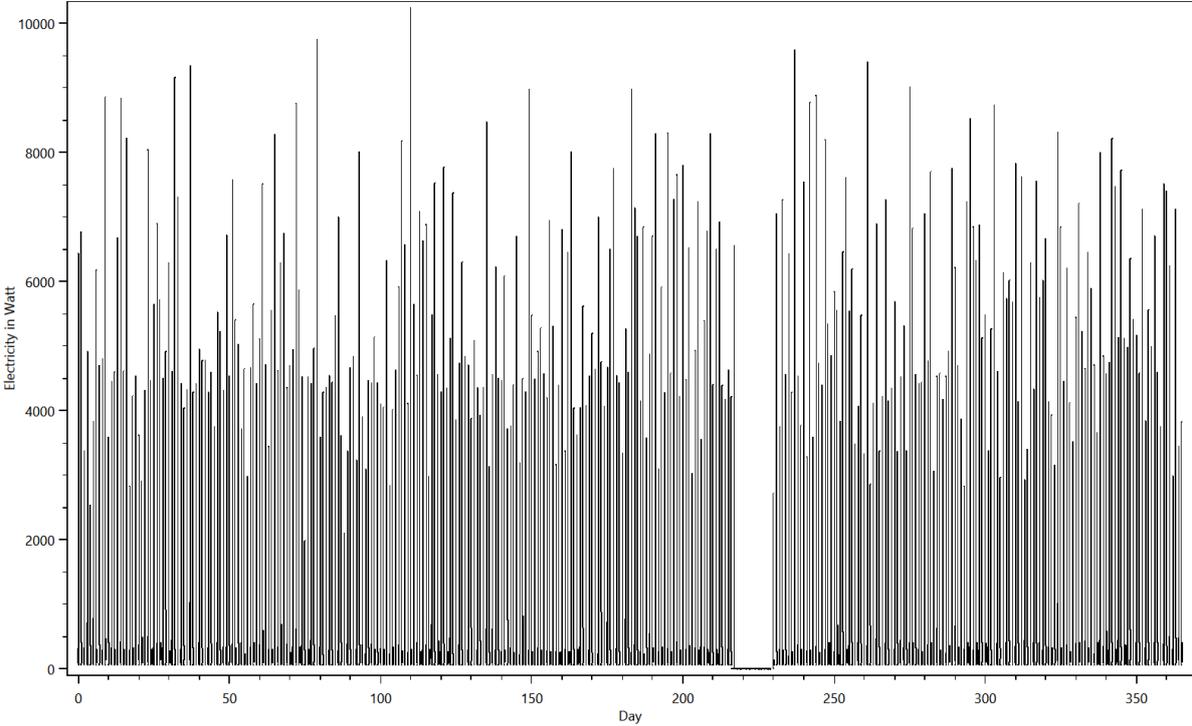
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



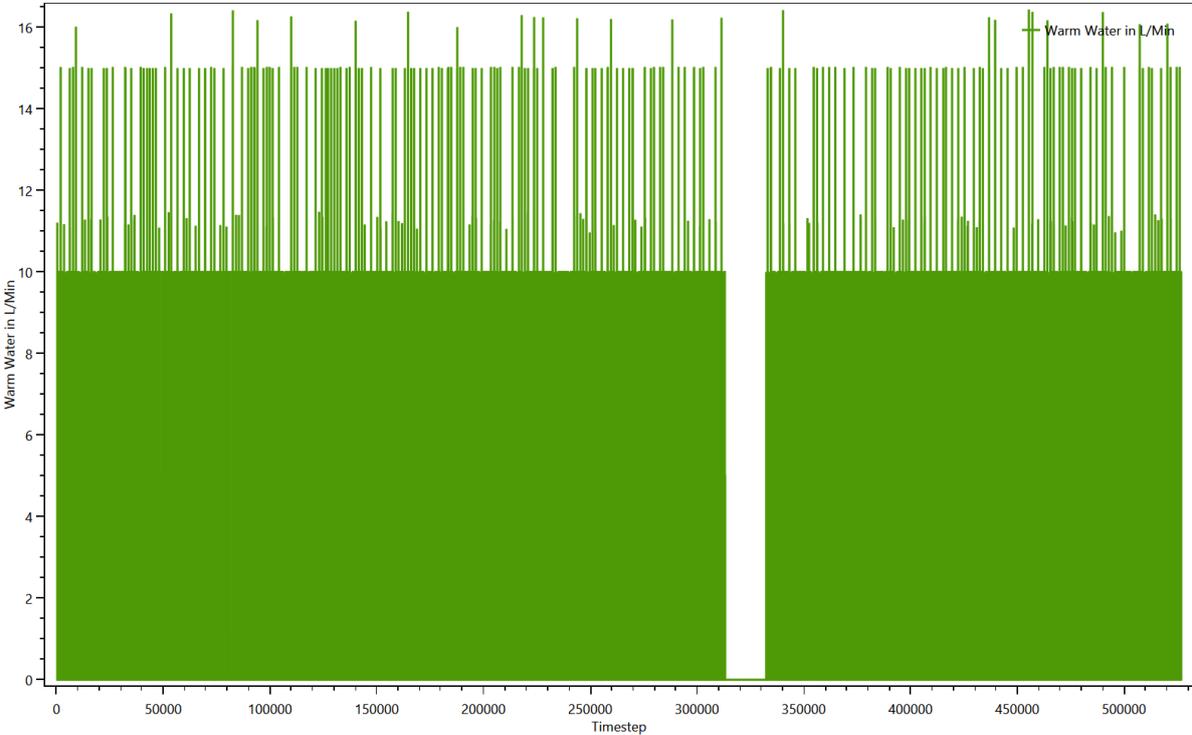
Summed up curve for Electricity from SumProfiles.Electricity.png



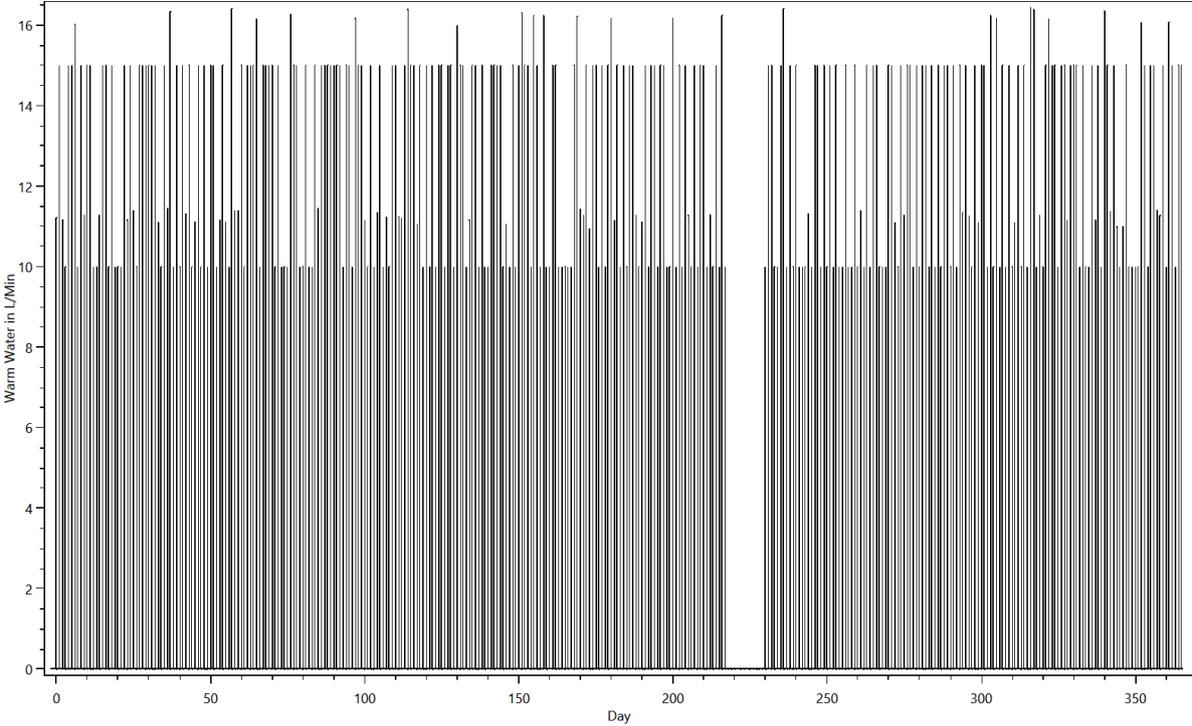
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



Summed up curve for Warm Water from SumProfiles.Warm Water.png



Summed up curve for Warm WaterMinMax from SumProfiles.Warm WaterMinMax.png



# Time Profiles

## This is made from the files starting with: Time Profiles

These files show which time profiles were used for each device and how often. The content looks like this:

TimeProfiles.HH0.CHR49 Family with 1 child, without work 0.txt

Device;Load Type;Profile;Number of Activations

Atika LH 2500 G;Electricity;0 h 15 min 100% [Synthetic];132

Bar;None;04 h 0 min 100% [Synthetic];20

Bathroom Light (200W);Electricity;Bath - light [Synthetic for Light Device];701

Bathroom Mirror Light 10 W (LED);Electricity;Bath - light [Synthetic for Light Device];701

Bathroom Sink 10L/min;Warm Water;0 h 01 min 100% [Synthetic];3545

Bathroom Sink 10L/min;Warm Water;0 h 01 min 50% [Synthetic];490

Bed 2;None;08 h 0 min 100% [Synthetic];353

Bed 3 (Children);None;10 h 0 min 100% [Synthetic];356

Bed 8;None;08 h 0 min 100% [Synthetic];353

Bedroom Light (20W);Electricity;Bedroom - light [Synthetic for Light Device];488

Board Games;None;01 h 0 min 100% [Synthetic];290

Book;None;01 h 0 min 100% [Synthetic];51

Braun Multiquick 3 MR 300 Soup;Electricity;0 h 01 min 100% [Synthetic];42

CD/DVD Player / Philips DVDR 725 H;Electricity;01 h 30 min 100% [Synthetic];438

CD/DVD Player / Philips DVDR 725 H;Electricity;02 h 0 min 100% [Synthetic];66

CD/DVD Player / Philips DVDR 725 H;Electricity;Standby TV / Receiver 1 h 0 min 3% [Synthetic];8490

Canister Vacuum Cleaner / Siemens Z6.0 VSZ61260;Electricity;0 h 30 min 100% [Synthetic];37

Chair;None;0 h 10 min 100% [Synthetic];999

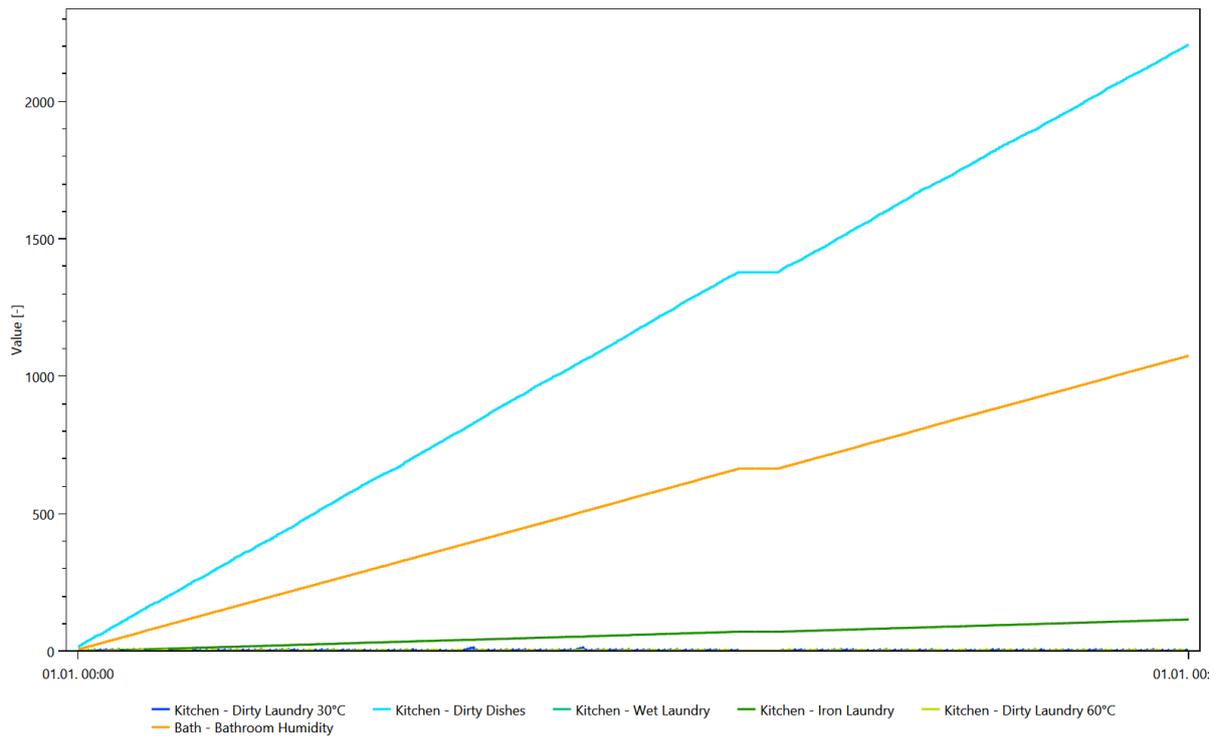
Children Room Light (100W);Electricity;Children's room - light [Synthetic for Light Device];199

# Variables

This is made from the files starting with: Variablelogfile

The variables are used to keep track of things like dirty laundry, dirty dishes and the amount of laundry to iron. They are used to ensure that for example the dishwasher is only turned on if there are sufficient dirty dishes. One chart shows the first 25000 timesteps of the contents of all variables, the other shows the entire time span.

## Variables



## Variables

