

## Overview of the results of the household CHR56 Couple with 2 children, husband at work 0

Calculation Time

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

Energy Intensity: EnergySaving

Seed 1626

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:39:05

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## Totals

### Totals for each Loadtype

Load Type	Value	Unit
Cold Water	76791.43	L
Electricity	4204.57	kWh
Warm Water	164210.00	L

### Totals for each Loadtype per Day

Load Type	Value	Unit
Cold Water	209.81	L
Electricity	11.49	kWh
Warm Water	448.66	L

### Minimum and Maximum for each Loadtype

Household	Minimum	Maximum	Unit
Cold Water	0.00	21.62	L/Min
Electricity	2.29	10649.56	Watt
Warm Water	0.00	25.00	L/Min

### Totals for each Loadtype per Person

Load Type	Value	Unit
Cold Water	19197.86	L
Electricity	1051.14	kWh

Warm Water	41052.50	L
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### Totals for each Loadtype per Person per Day

Load Type	Value	Unit
Cold Water	52.45	L
Electricity	2.87	kWh
Warm Water	112.17	L

## Persons

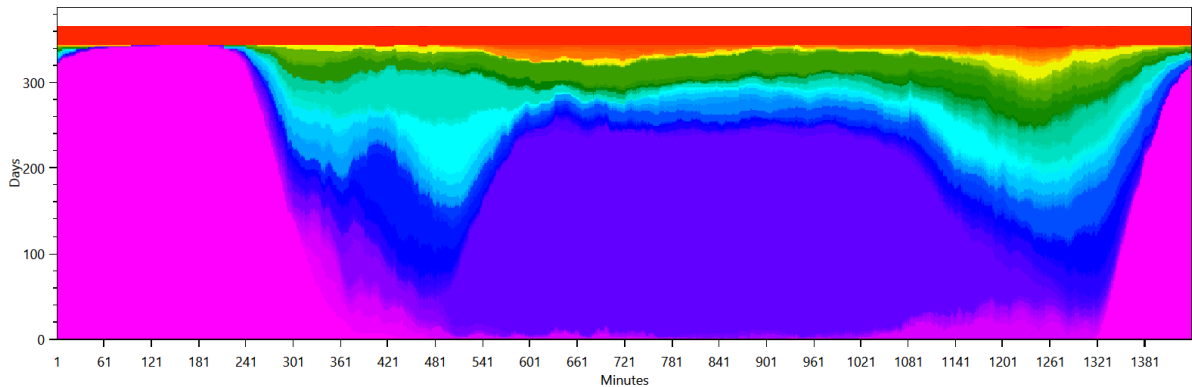
- HH0
  - CHR56 Andreas (50/Male)(50/Male)
  - CHR56 Anton (16/Male)(16/Male)
  - CHR56 Sabine (45/Female)(45/Female)
  - CHR56 Sandi (14/Female)(14/Female)

# Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

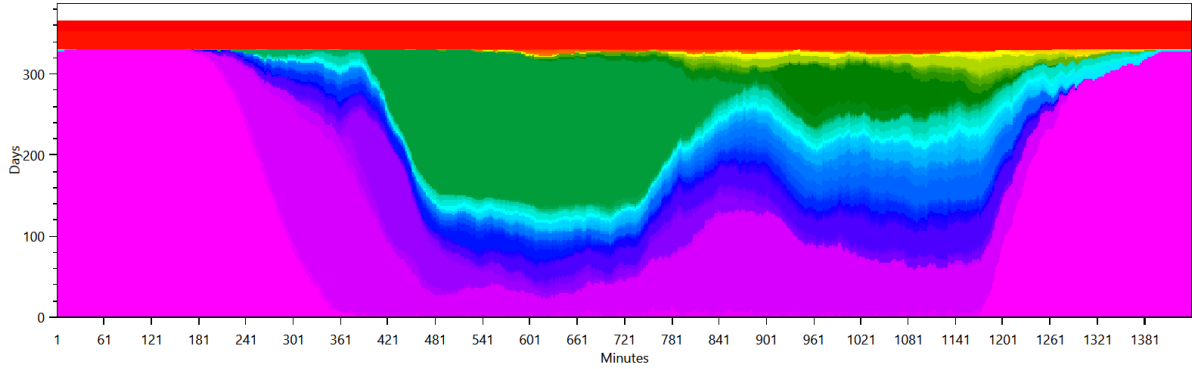
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR56 Andreas (50 Male)



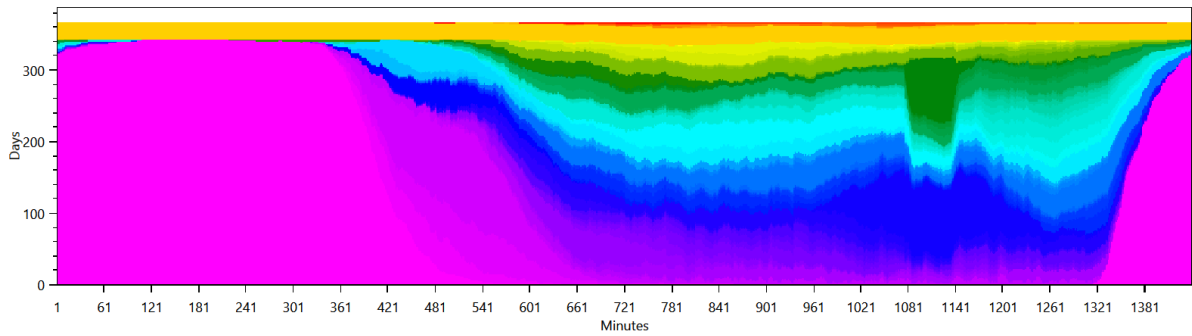
- sleep bed 01 (06 h)
- cook coffee
- take a shower (men)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- go to the toilet
- use the laptop (1 h)
- get ready in the morning (men)
- use the computer for recreation (2 h)
- work at the office from 8:00 (10 h)
- play Wii
- exercise for 30 min on the treadmill
- watch sports on TV with SAT Reciever (2 h)
- talk with friends on the phone
- play digital piano (1 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- use the computer with 2 screens (2 h)
- run the dishwasher (triggered)
- read a book on the couch only 9:00 to 22:00
- clean eye glasses
- do paperwork in the home office
- do it yourself house fixing and building
- use the laptop (1.5 h)
- shovel snow
- use the laptop for Internet, Movie, Music, News (2 h)
- watch the news
- use the computer (1.5 h)
- go shopping for food in the supermarket (1.5 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- use the computer with external HD (1 h)
- read a book on the couch all the time
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- watch TV (1 h)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- bake bread
- play together (play board games (1 h))
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- take a bath (150L)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- redecorate the house
- go to a concert (4 h)
- use the computer (2 h)
- take a saturday day trip (10 h)
- watch a movie for 2 h
- use the computer (1 h)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (make roulades and eat them)
- take a bath (200L)
- eat a cooked meal (interrupting) (make soup)
- take a trip together (take a saturday day trip (10 h))
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- watch a movie for 1 h 30 min
- make and drink tea (15 min)
- take a nap
- read a newspaper for 30min
- read a magazine
- join going to a concert (4h) (go to a concert (4 h))
- take nap on the weekend (2 h)
- mow the lawn on saturday above 15°C
- relax in the garden 2
- do garden work only on saturday
- relax in the garden
- eat a cooked meal (interrupting) (heat up leftovers)
- taking a vacation
- eat a cooked meal (noninterrupting) (make and eat an salad with a kitchen machine)
- read a book (1 h)

## HH0 - CHR56 Anton (16 Male)



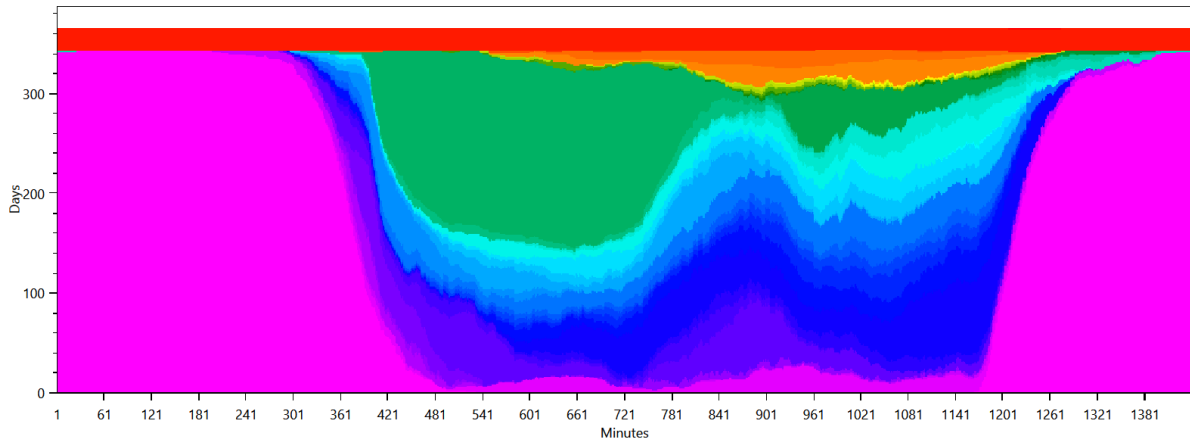
- sleep bed 03 (08 h) Child
- eat breakfast (1 h)
- watch TV (1 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- go swimming in an indoor swimming pool (2 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- make custom pizza and eat it
- make frozen pizza and eat it
- eat a cooked meal (noninterrupting) (make and eat an salad with a kitchen machine)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- join swimming in an indoor swimming pool for 2h (go swimming in an indoor swimming pool (2 h))
- make and drink tea (15 min)
- go to summer camp for two weeks
- go to the toilet
- do computer programming (2 h)
- cook food with rice and eat it
- get ready in the morning (men)
- take a shower (men)
- play with smartphone (1 h)
- use the computer with external HD (1 h)
- play computer games
- use the computer (1 h)
- listen to music with active speakers (2 h)
- fry two eggs and eat them with toast
- use the laptop (1.5 h)
- play with smartphone 30 min
- use the computer (1.5 h)
- use the laptop for Internet, Movie, Music, News (2 h)
- use the laptop (1 h)
- clean eye glasses
- watch sports on TV with SAT Reciever (2 h)
- read a book on the couch all the time
- use the computer with 2 screens (2 h)
- use the computer for recreation (2 h)
- use the computer (2 h)
- play board games (1 h)
- read a book (1 h)
- cook pasta and eat it
- go shopping (4 h)
- do homework
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- make soup
- listen to music on active speakers (1.5 h)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (make soup)
- make fondue and eat it
- visit the cinema
- heat up leftovers
- watch a movie for 1 h 30 min
- make mashed potatoes and eat them
- eat a cooked meal (interrupting) (make roulades and eat them)
- eat a cooked meal (interrupting) (heat up leftovers)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- read a newspaper for 30min
- read a magazine
- take nap on the weekend (2 h)
- taking a vacation

## HH0 - CHR56 Sabine (45 Female)



- sleep bed 02 (08 h)
- do laundry at 30°C (by variable)
- exercise on cross trainer (30 min)
- clean the bath
- bake a cake
- make and eat an salad with a kitchen machine
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- use the computer (2 h)
- cook food with rice and eat it
- vacuum the household
- take a trip together (take a saturday day trip (10 h))
- eat a cooked meal (interrupting) (make fondue and eat it)
- do hair coloration
- relax in the garden 2
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- read a newspaper for 30min
- watch sports on TV with SAT Reciever (2 h)
- watch a movie for 1 h 30 min
- eat small breakfast (25min) interrupting subaff, no alarm
- cook for Christmas with Baking (5 h)
- get ready in the morning (women)
- take a shower without hair washing (women)
- eat breakfast (1 h)
- go to the toilet
- run the dryer with wet laundry (by variable)
- talk with friends on the phone
- use the computer (1 h)
- iron Clothes
- watch TV with someone (watch TV (1 h))
- do volunteer work
- take a shower with hair washing (women) (20 min hair drying)
- use the computer (1.5 h)
- use the computer with external HD (1 h)
- read romance novel
- dust the house
- use the laptop for Internet, Movie, Music, News (2 h)
- make custom pizza and eat it
- sweep the floors
- take a bath (150L)
- take a shower with hair washing (women) (5 min hair drying)
- invite friends for coffee
- make fondue and eat it
- cook food with steam cooker and eat it
- use the computer for recreation (2 h)
- cook food with a deep fryer and eat it
- cook pasta and eat it
- make frozen pizza and eat it
- cook a sunday feast with extractor hood and eat it
- take a bath (200L)
- join going to a concert (4h) (go to a concert (4 h))
- watch TV with someone (watch a movie for 2 h)
- take a saturday day trip (10 h)
- watch TV series on weekdays 18:00
- make soup
- go to doctor
- eat a cooked meal (interrupting) (make roulades and eat them)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- fry two eggs and eat them with toast
- heat up leftovers
- take a saturday day trip (10 h)
- clean the windows
- make roulades and eat them
- heat up leftovers
- take a saturday day trip (10 h)
- water the garden outside
- go to a concert (4 h)
- eat icecream from from freezer
- turn on ceiling fan (4 h)
- taking a vacation
- watch a movie for 2 h
- make and drink tea (15 min)
- read a magazine
- take nap on the weekend (2 h)
- read a book on the couch only 9:00 to 22:00
- watch TV (1 h)
- read a book on the couch all the time

## HH0 - CHR56 Sandi (14 Female)



- sleep bed 04 (10 h) Child
- go to the toilet
- play Wii
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- join Wii gaming (play Wii)
- eat a cooked meal (interrupting) (make fondue and eat it)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (heat up leftovers)
- take a nap
- watch TV (1 h)
- eat a cooked meal (noninterrupting) (make and eat an salad with a kitchen machine)
- relax in the garden 2
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- use the computer (1.5 h)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- read a book on the couch all the time
- eat a cooked meal (interrupting) (make pasta and eat it)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- watch a movie for 2 h
- watch a movie for 1 h 30 min
- eat a cooked meal (interrupting) (make soup)
- go swimming in the outdoor swimming pool (6 h)
- read a book (1 h)
- eat a cooked meal (interrupting) (make roulades and eat them)
- get ready in the morning (children)
- practice generic music instrument (1 h)
- use the laptop (1.5 h)
- use the laptop for Internet, Movie, Music, News (2 h)
- use the laptop (1 h)
- play with smartphone (1 h)
- go swimming in an indoor swimming pool (2 h)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- do homework
- make and drink tea (15 min)
- watch sports on TV with SAT Reciever (2 h)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- taking a vacation

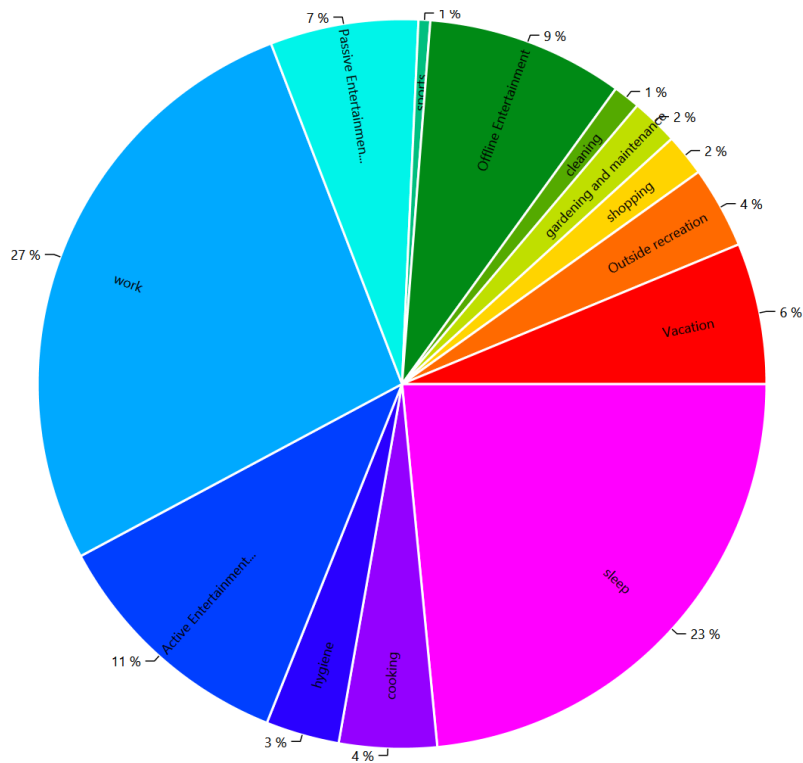


# Activity Distribution per Person

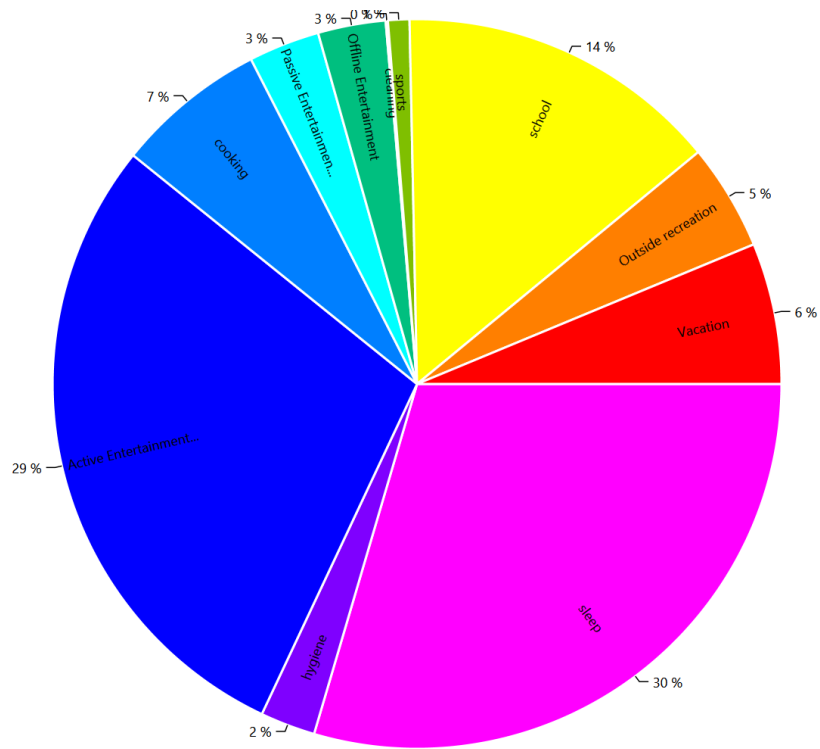
This is made from the files starting with: ActivityPercentage

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

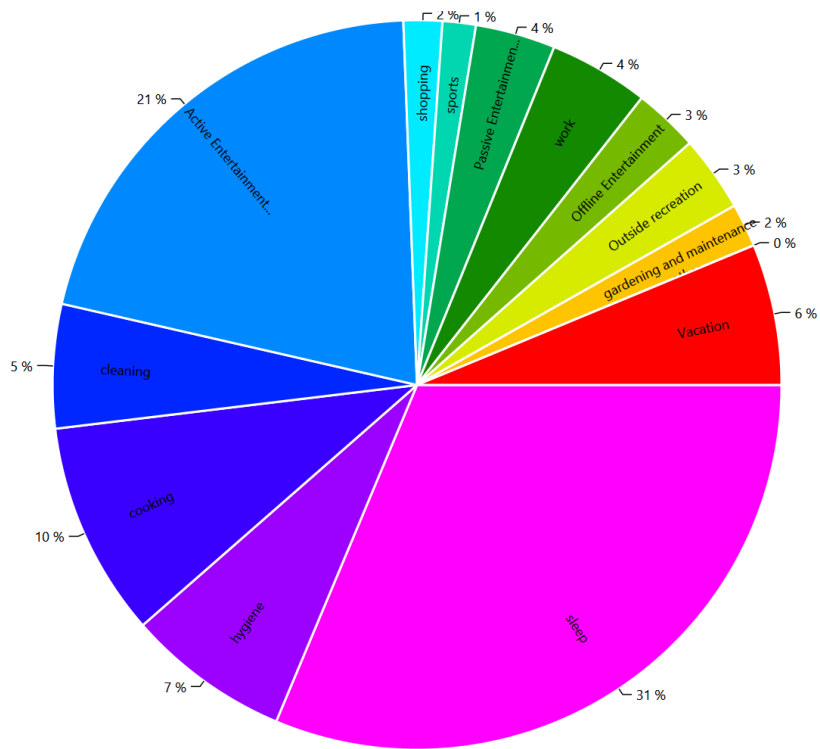
HH0 - CHR56 Andreas (50 Male)



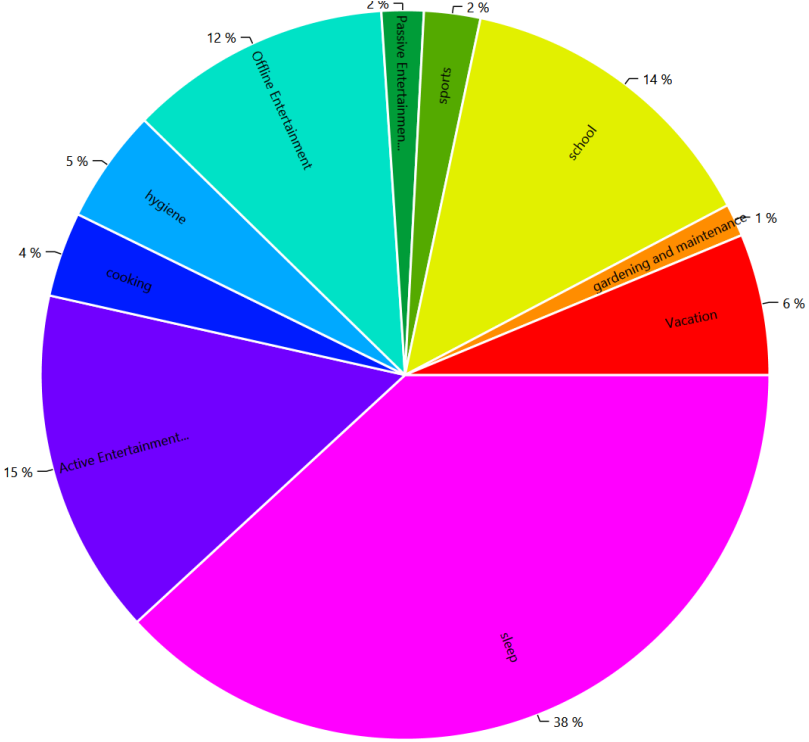
### HH0 - CHR56 Anton (16 Male)



### HH0 - CHR56 Sabine (45 Female)



HH0 - CHR56 Sandi (14 Female)

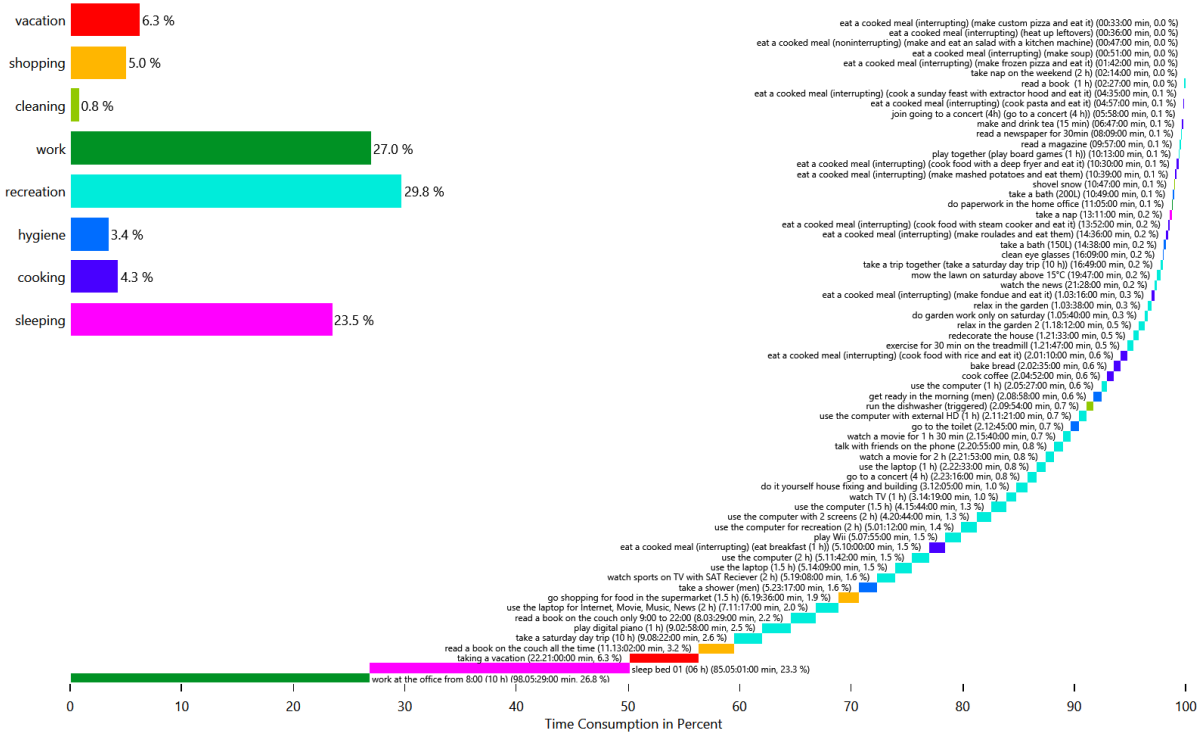


# Time Use per Person per Affordance Per Person

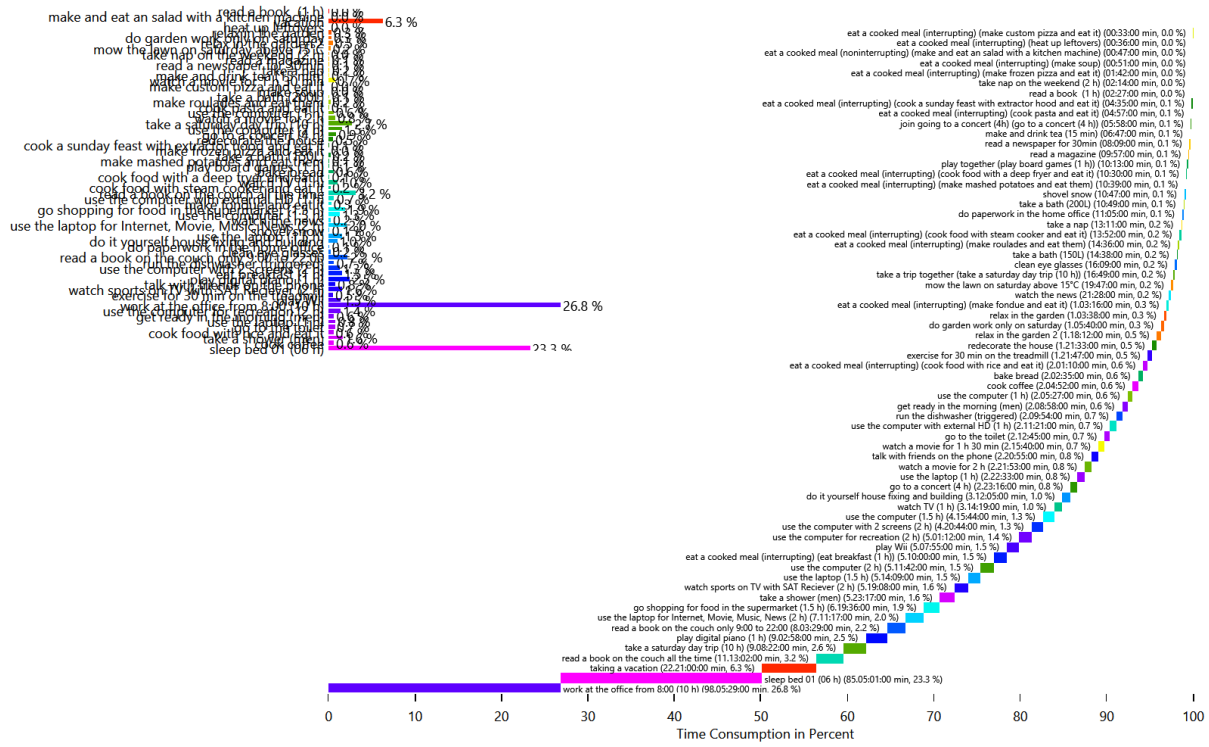
This is made from the files starting with: AffordanceTimeUse

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.

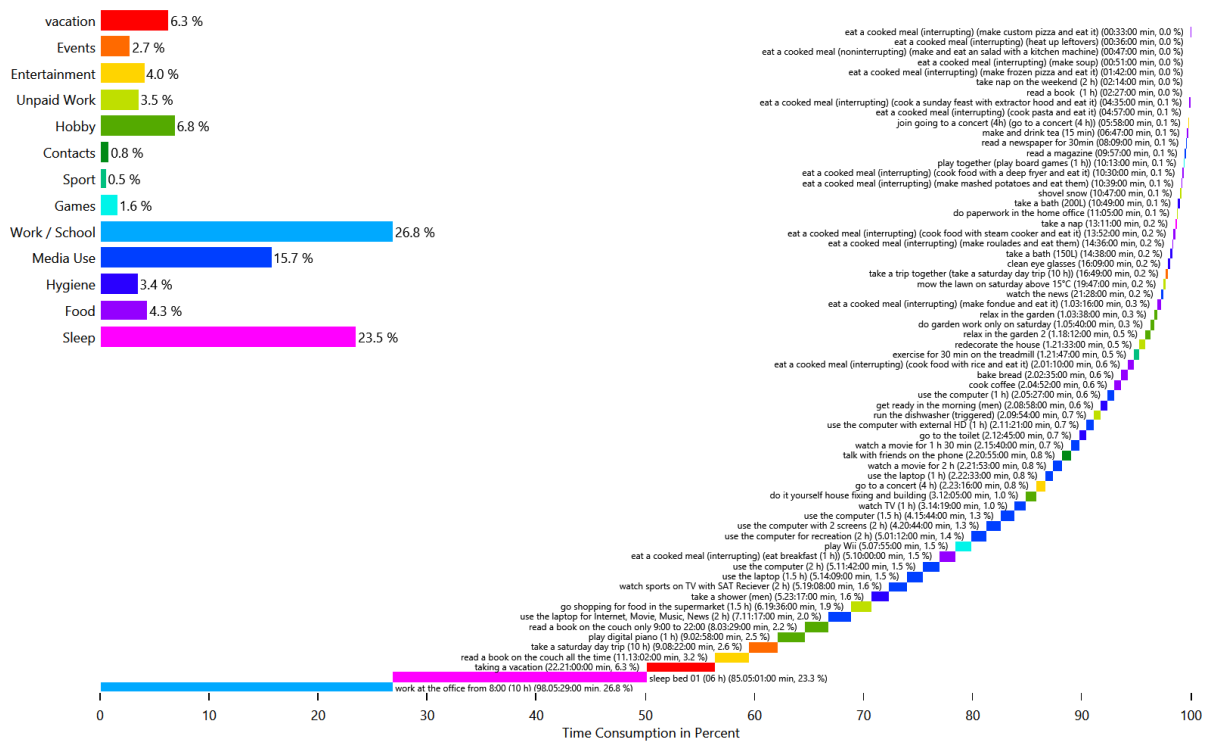
## HH0 - CHR56 Andreas (50 Male)



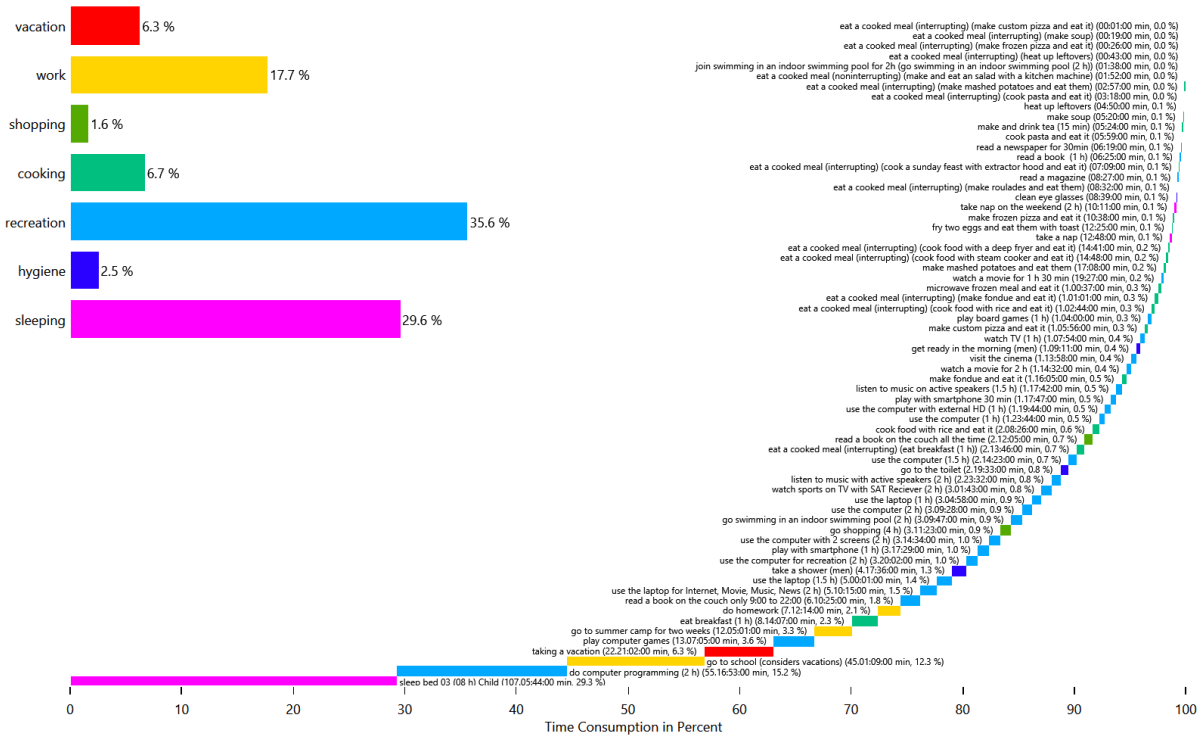
# HH0 - CHR56 Andreas (50 Male)



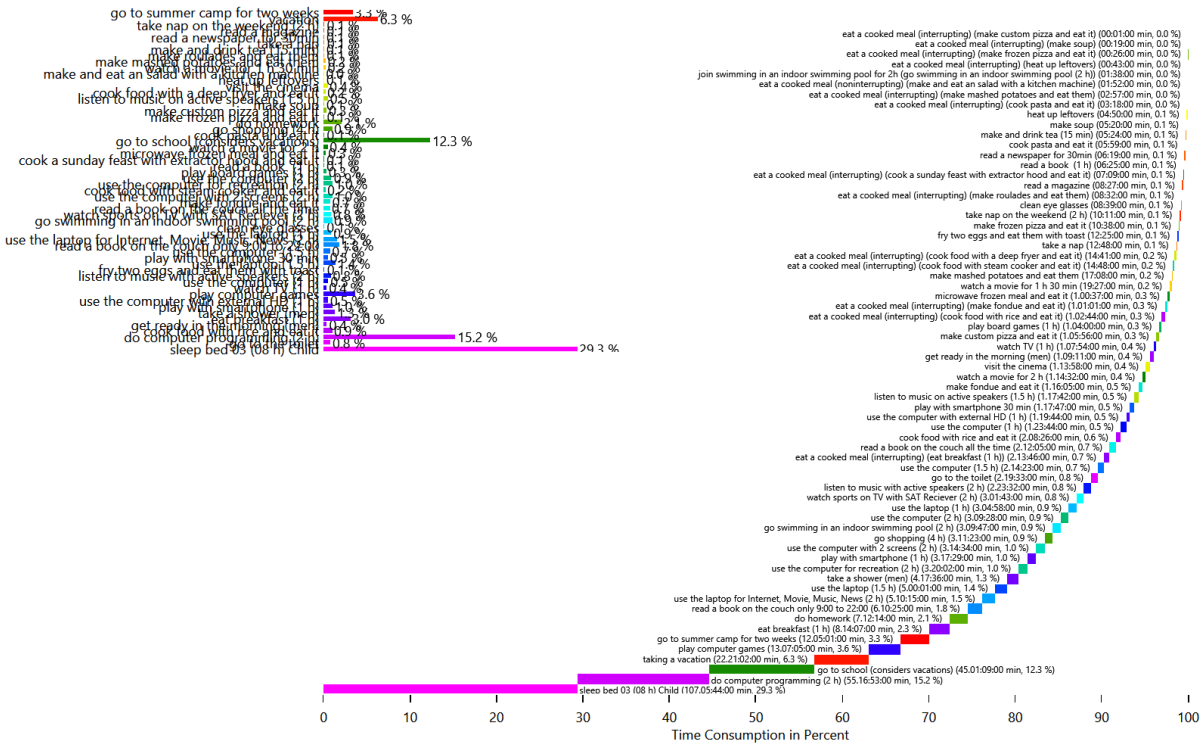
# HH0 - CHR56 Andreas (50 Male)



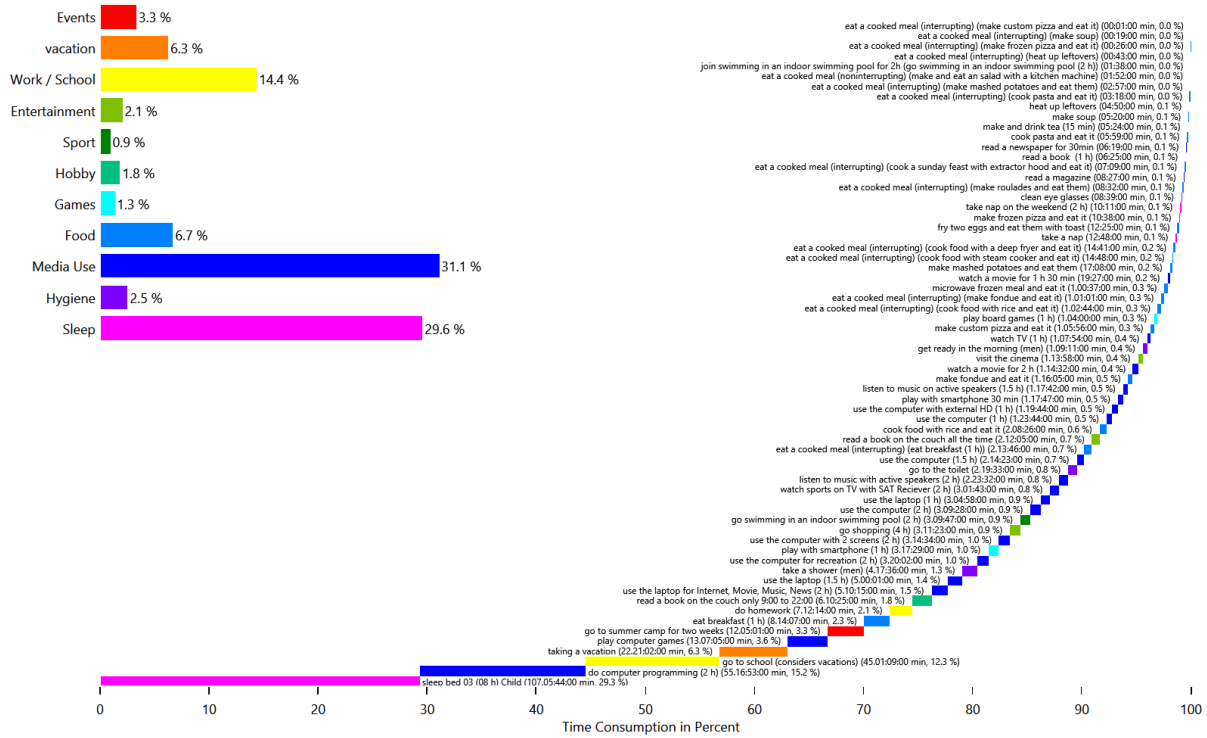
# HH0 - CHR56 Anton (16 Male)



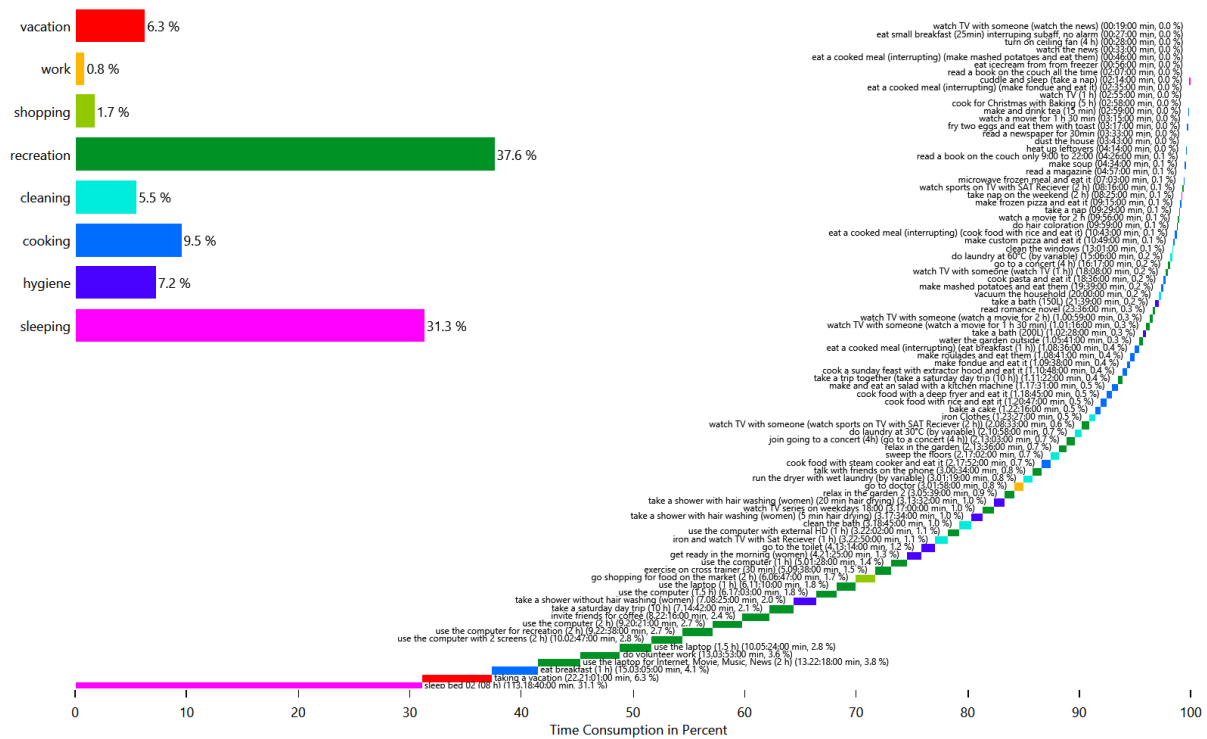
# HH0 - CHR56 Anton (16 Male)



## HH0 - CHR56 Anton (16 Male)



## HH0 - CHR56 Sabine (45 Female)

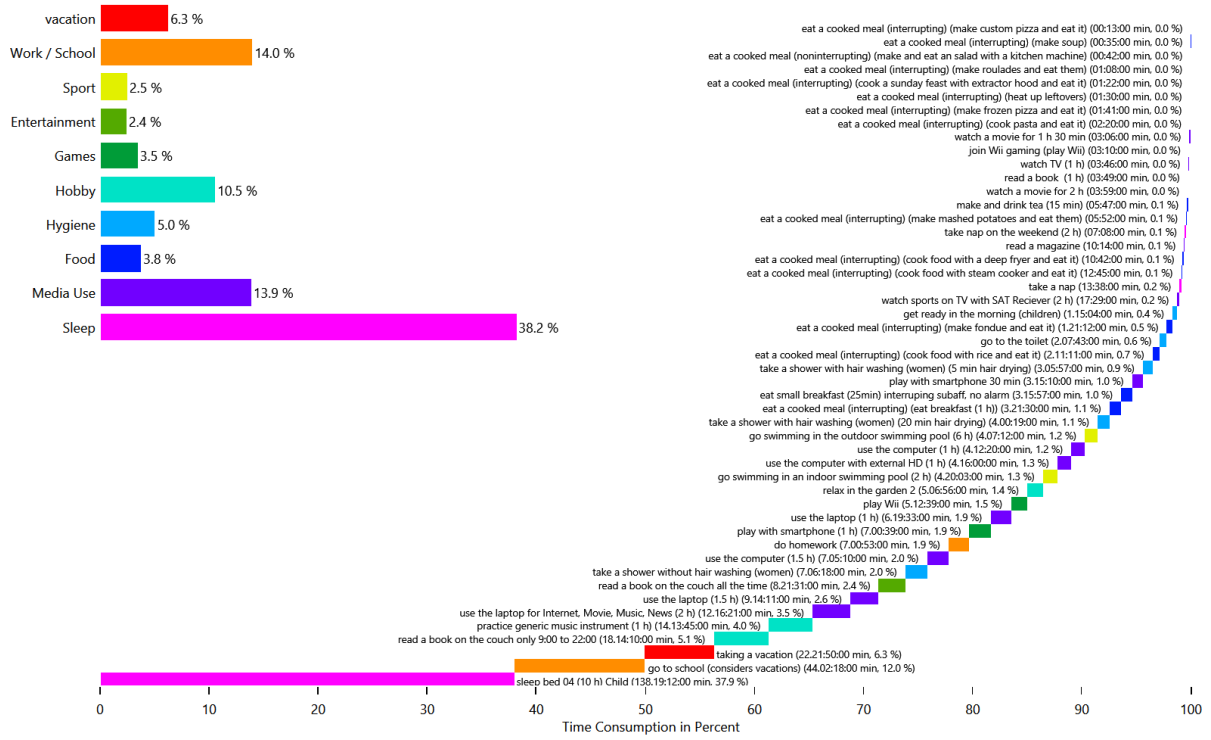








# HH0 - CHR56 Sandi (14 Female)

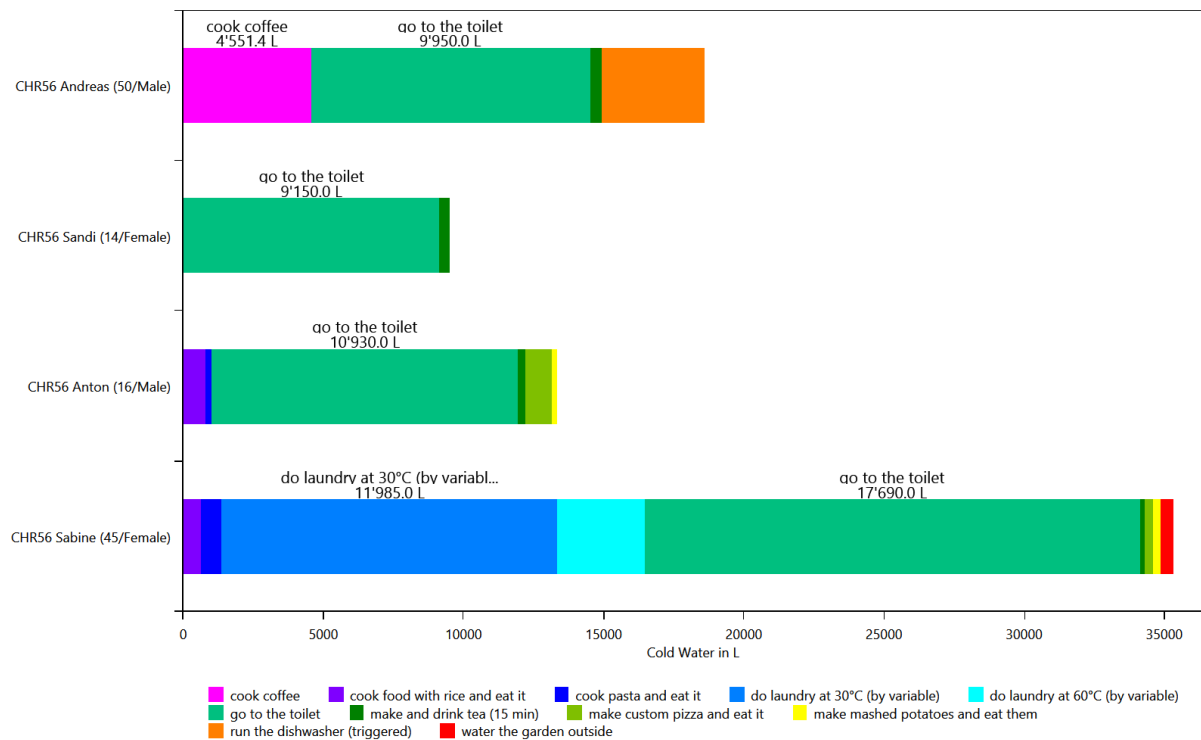


# Energy use per person per affordance

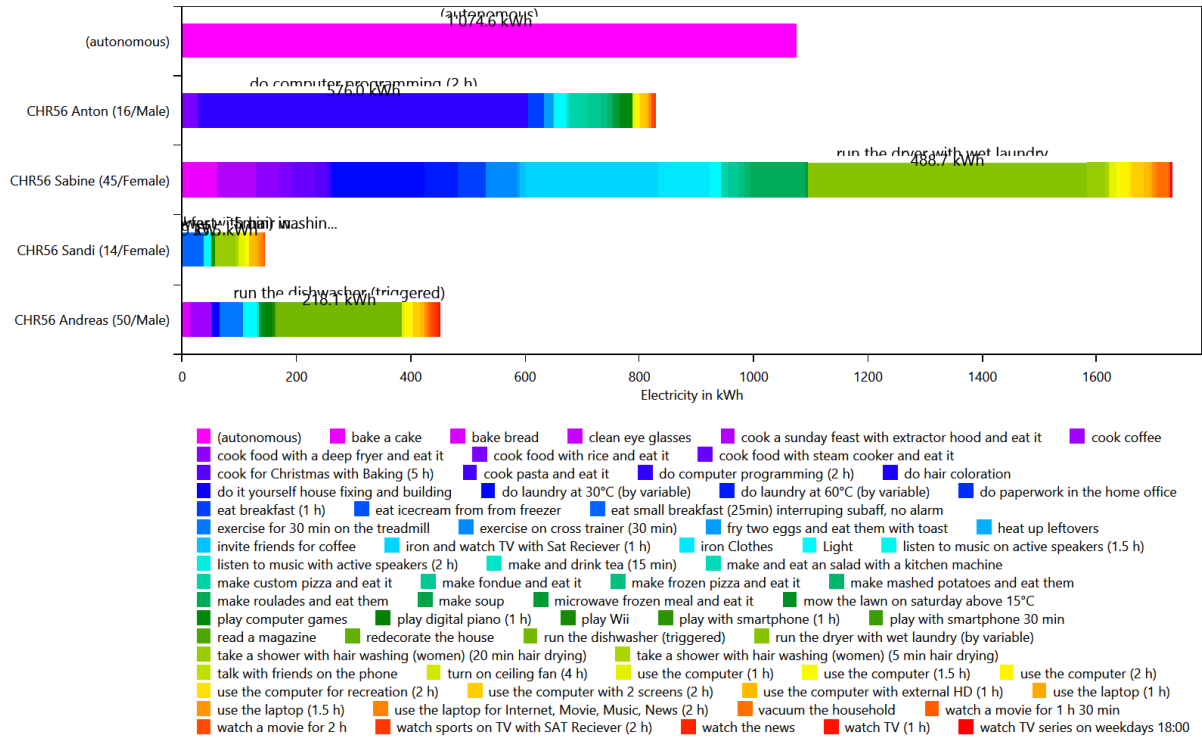
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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.

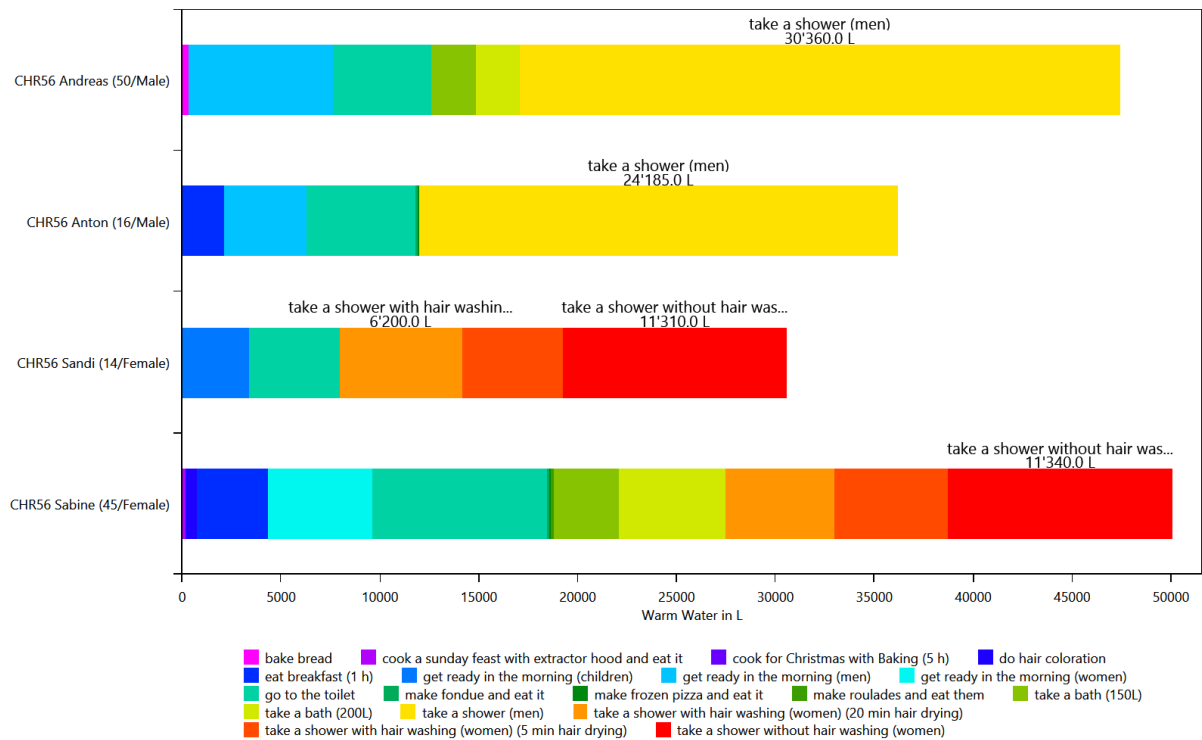
## HH0 - Cold Water



## HH0 - Electricity



## HH0 - Warm Water

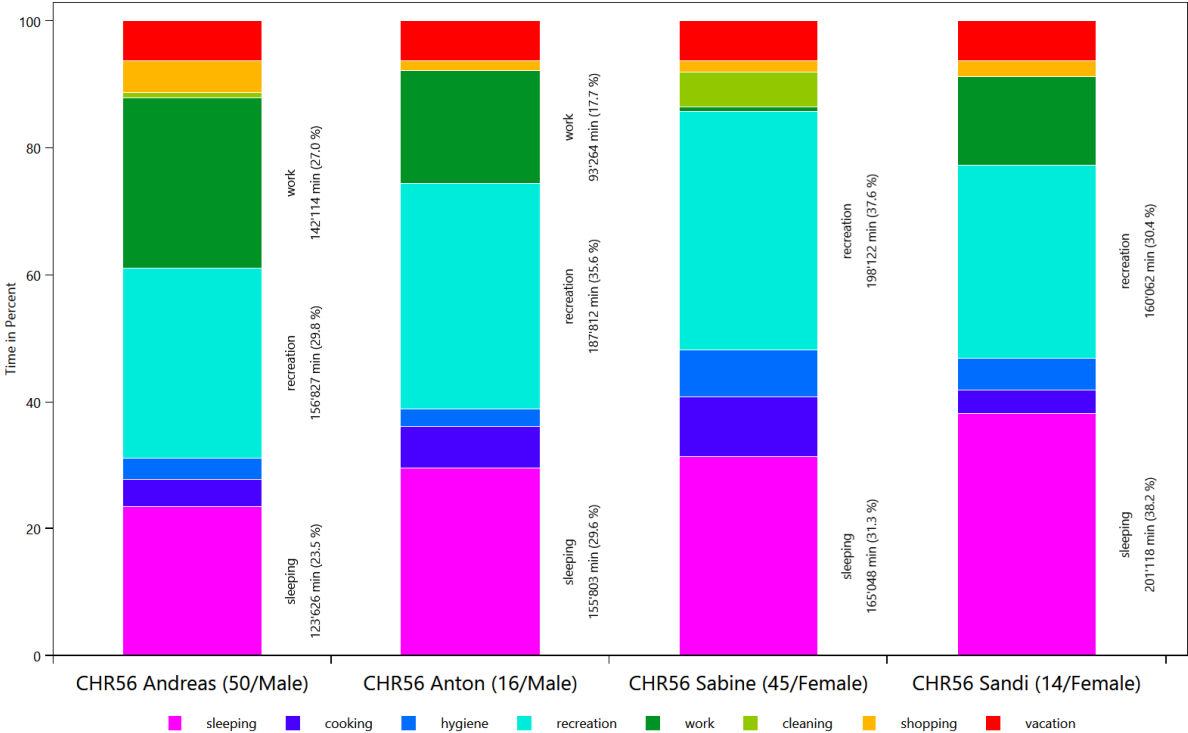


# Time Use per Person Per Affordance according to different category definitions

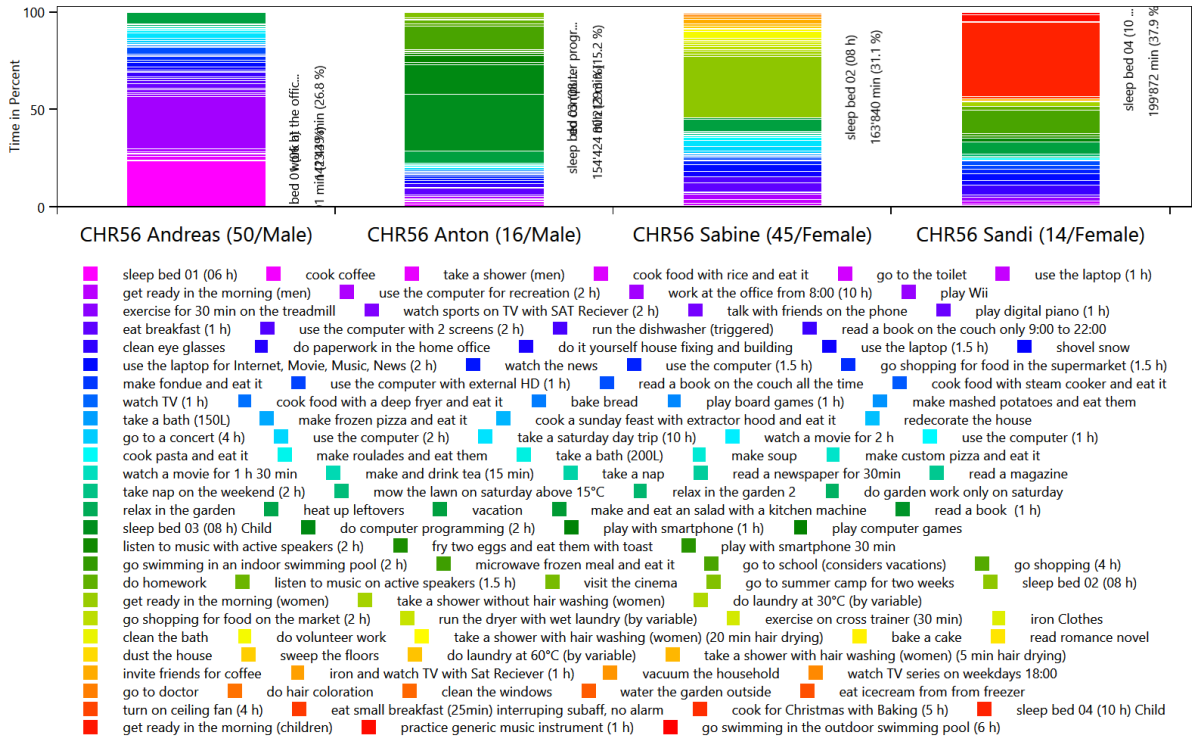
This is made from the files starting with: AffordanceTaggingSet

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.

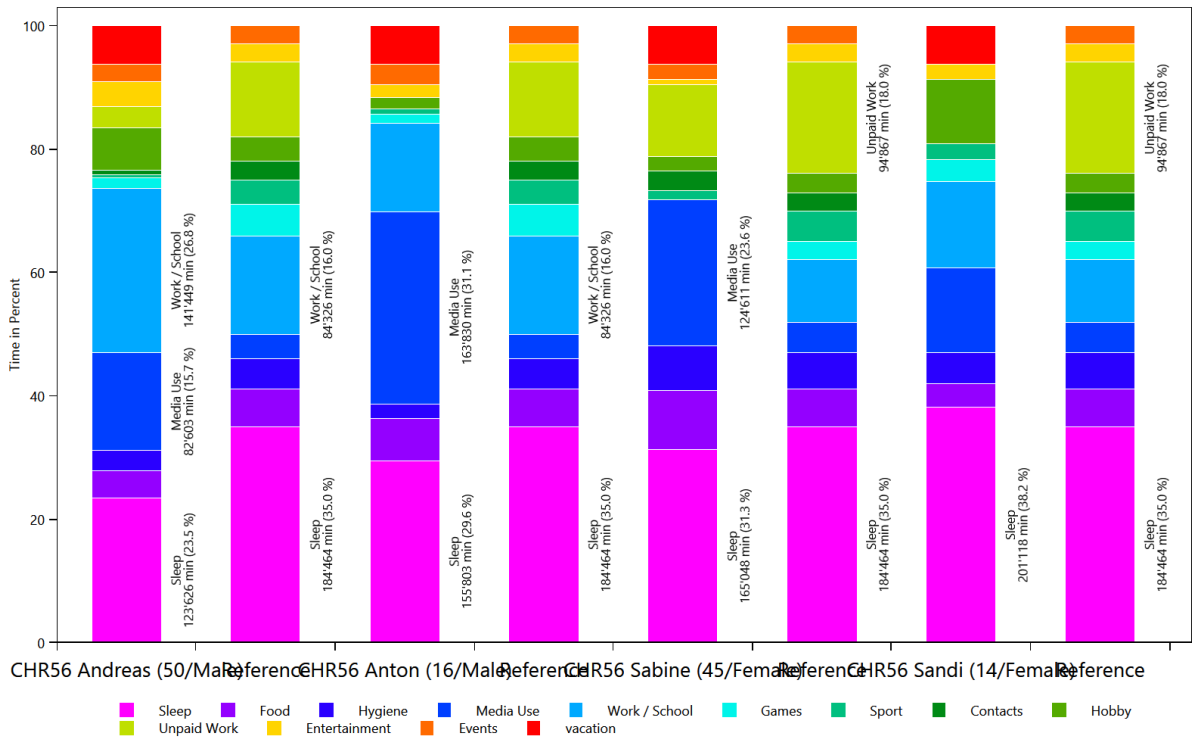
## Basic Tagging - HH0



## Tagging Set For Planning - HH0



## Wo bleibt die Zeit - HH0

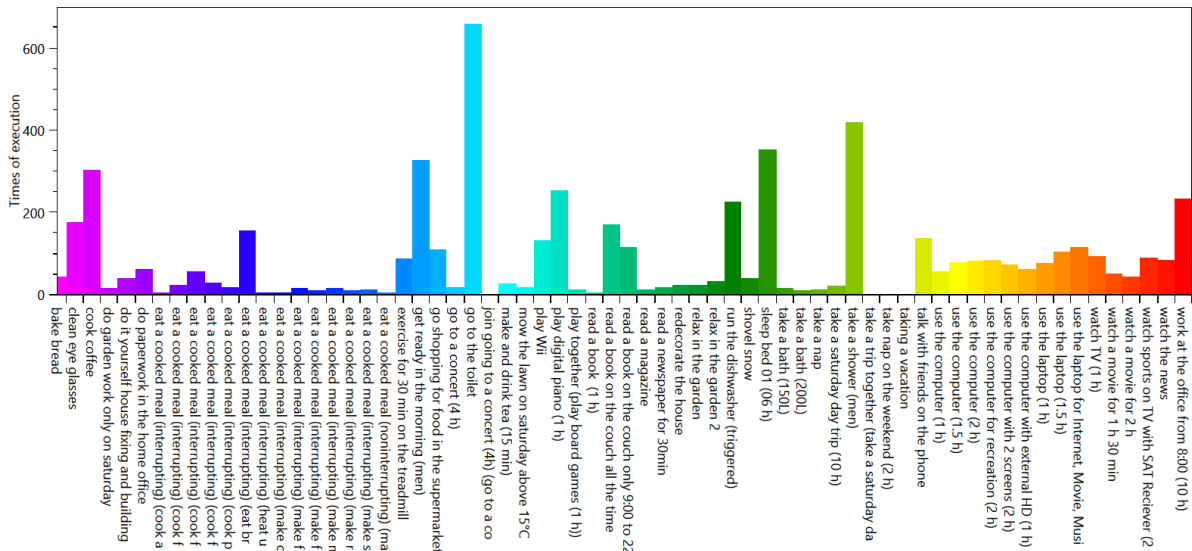


# Overview of the actions of each member of the household

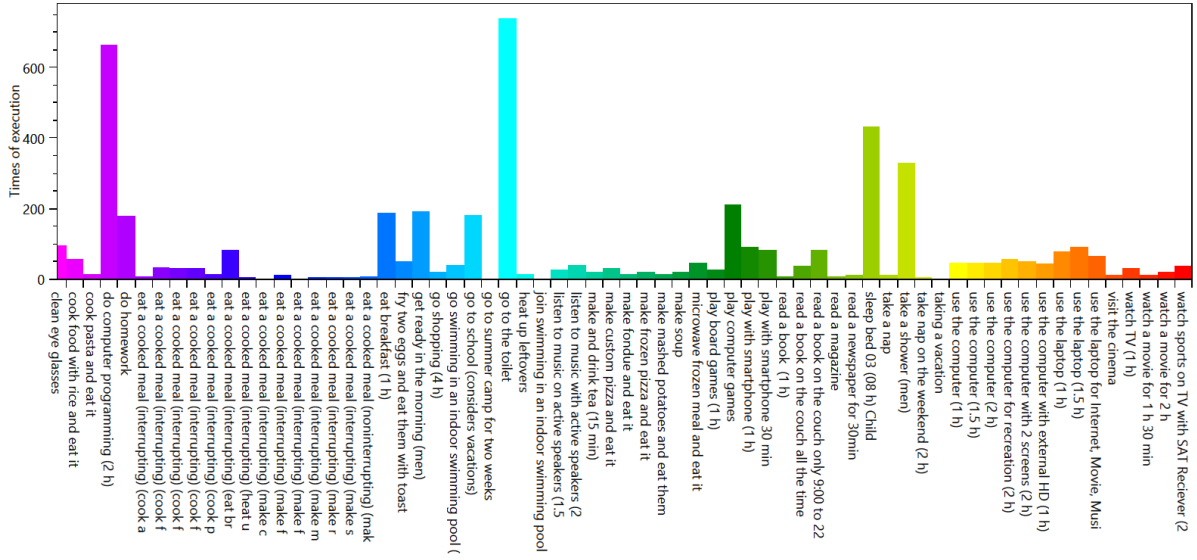
This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

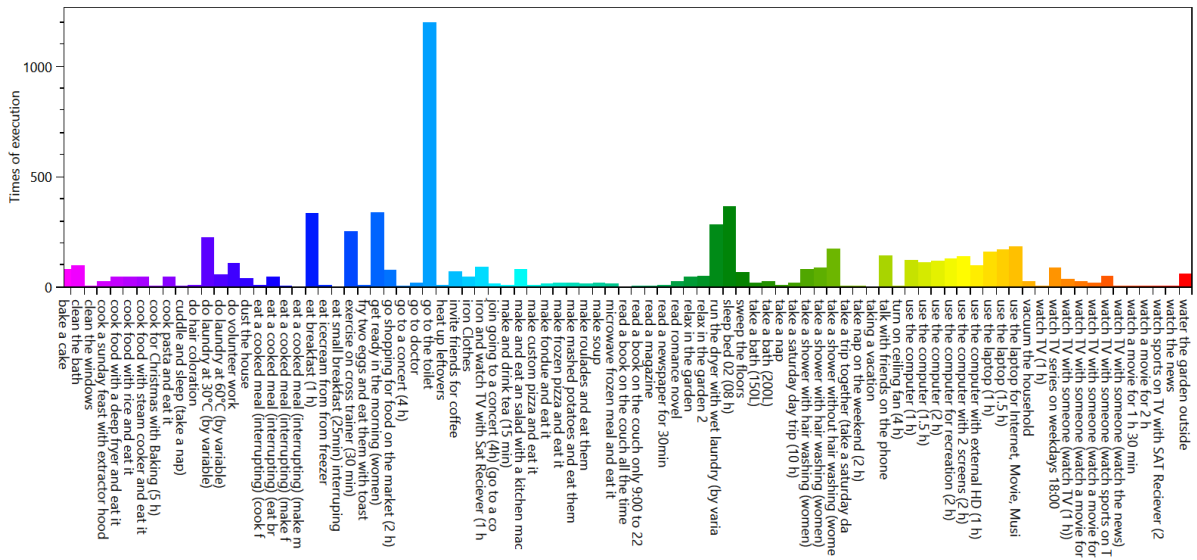
HH0 - CHR56 Andreas (50 Male)



## HH0 - CHR56 Anton (16 Male)

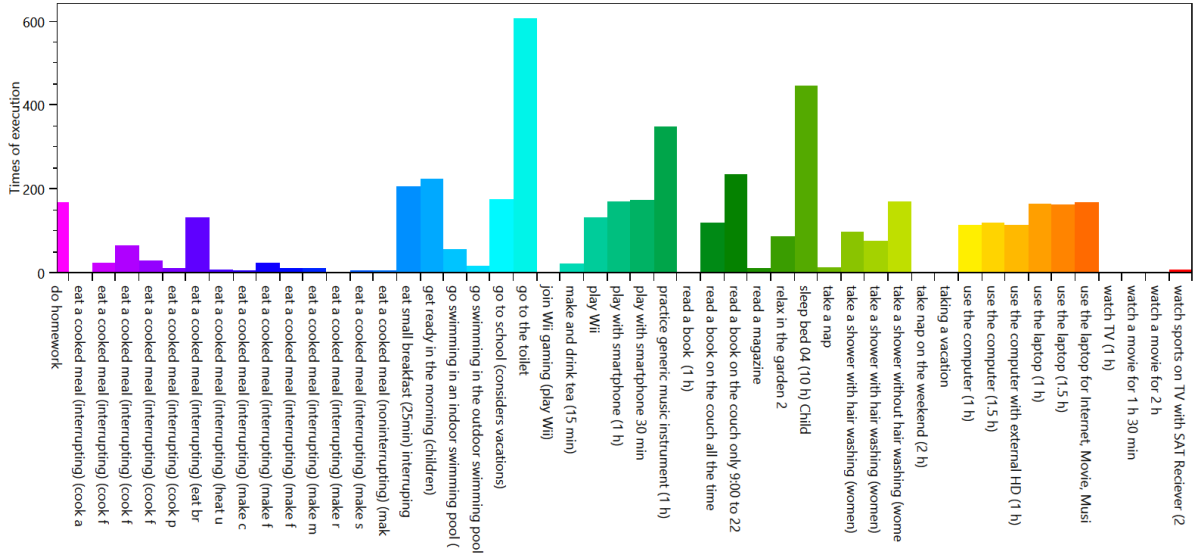


## HH0 - CHR56 Sabine (45 Female)





# HH0 - CHR56 Sandi (14 Female)

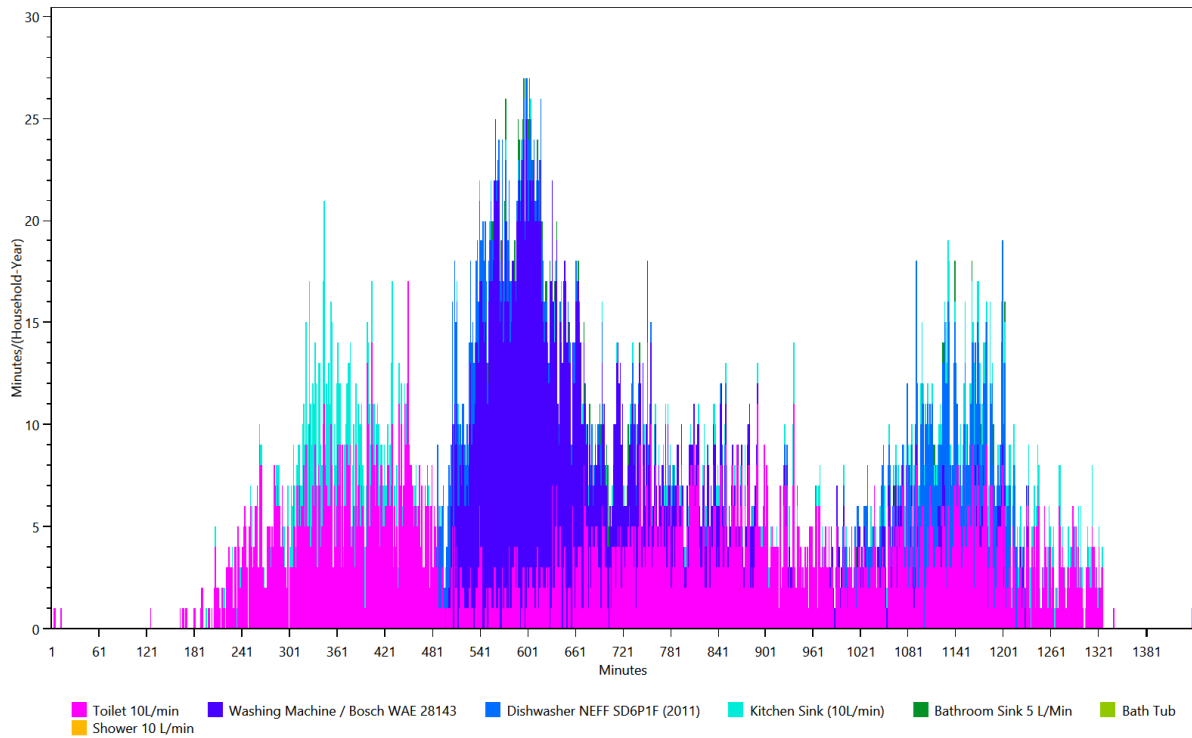


# Overview of the time of the use per load type per device

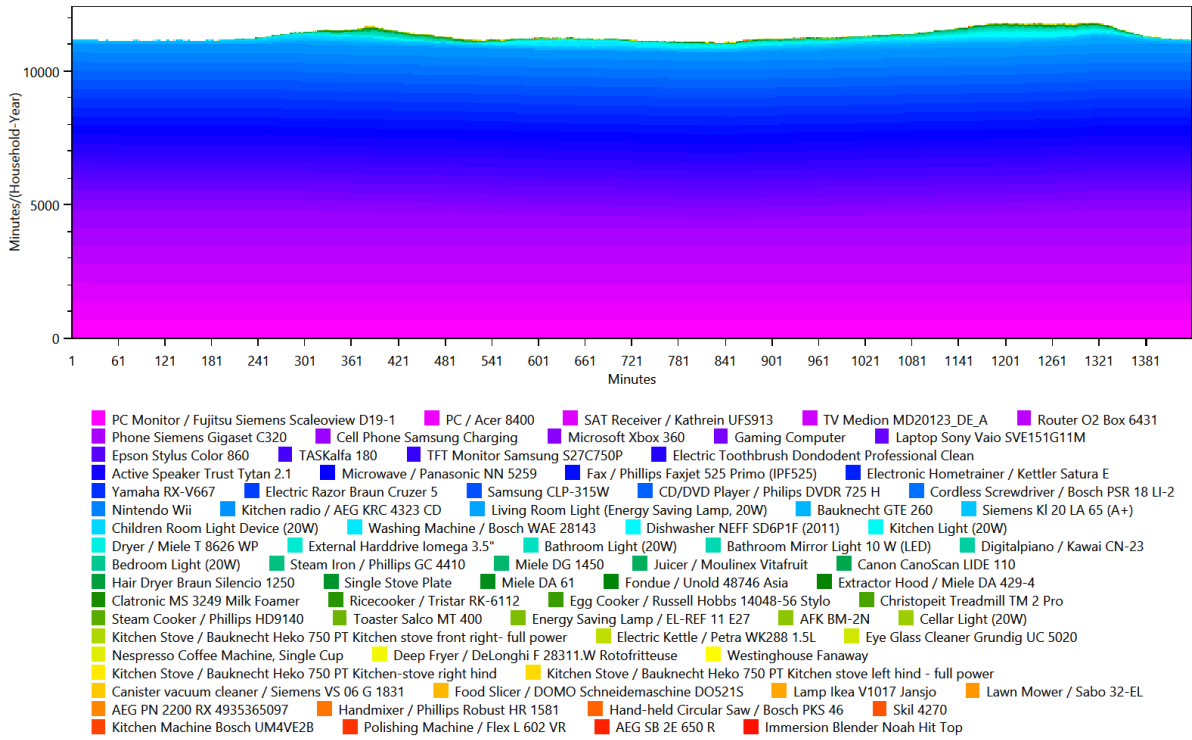
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

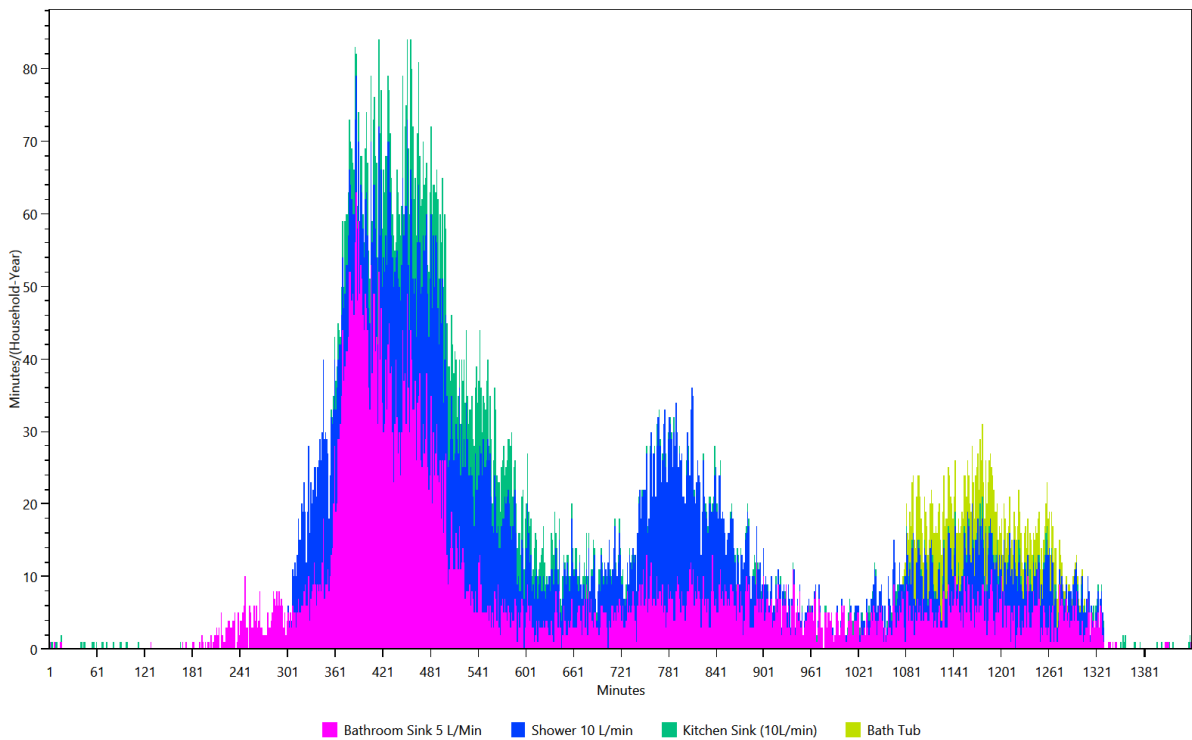
## Cold Water



## Electricity



## Warm Water

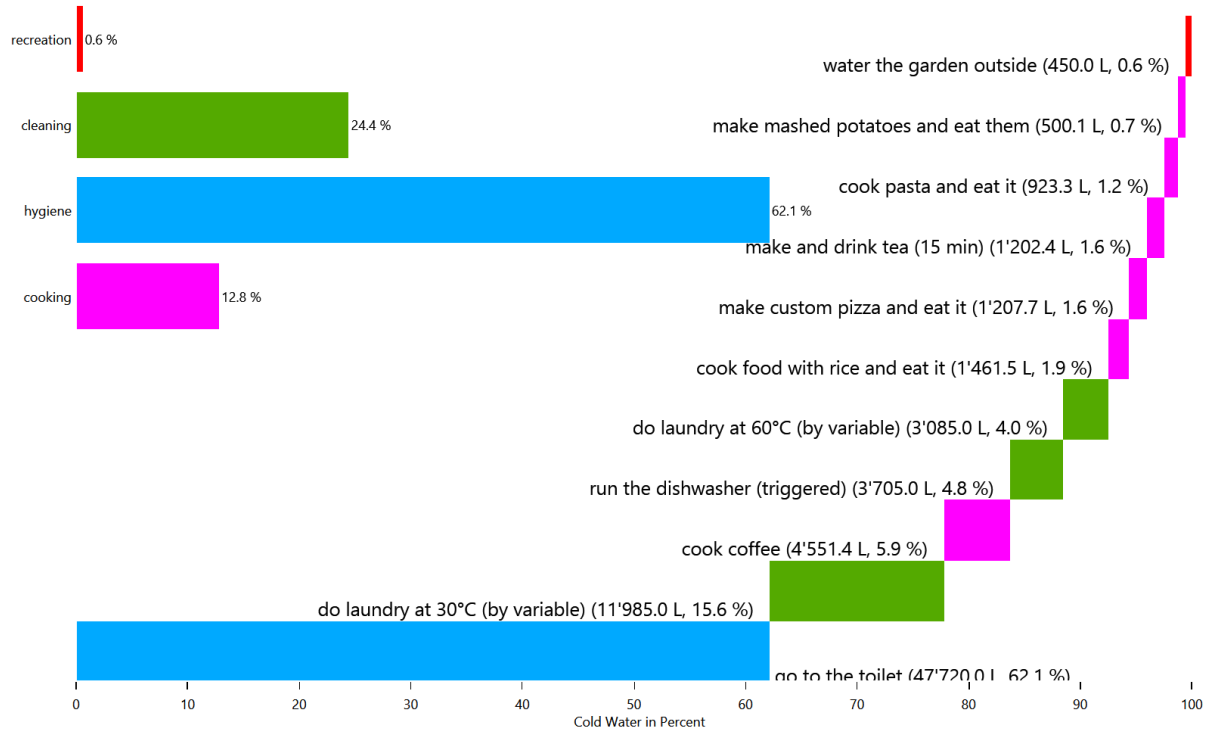


# Energy/Resource use distribution per load type per affordance

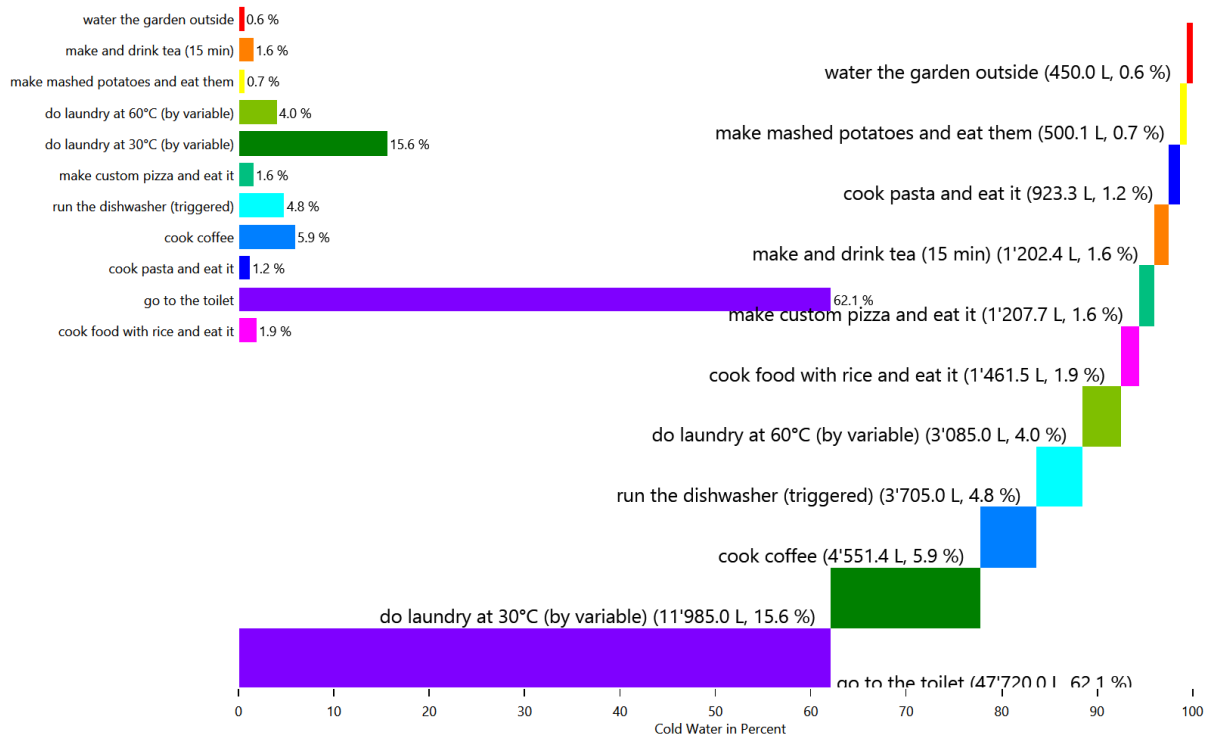
This is made from the files starting with: **AffordanceEnergyUse**

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

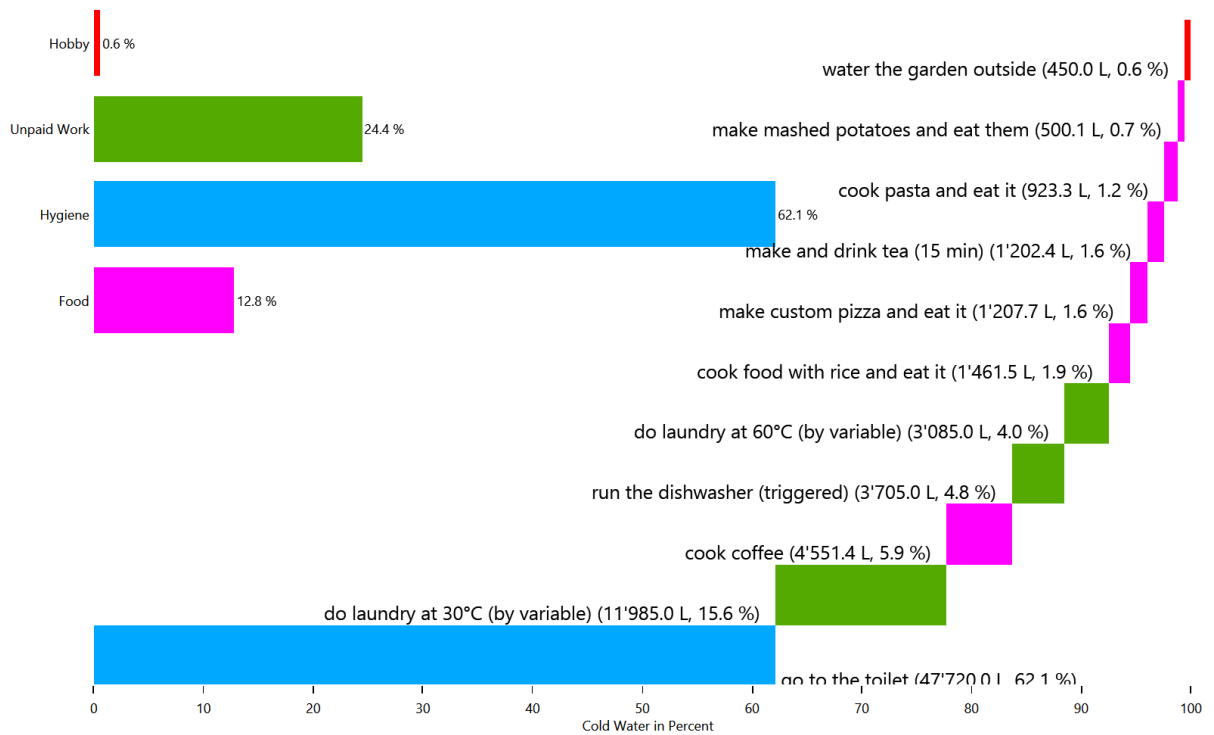
## HH0 - Cold Water



## HH0 - Cold Water

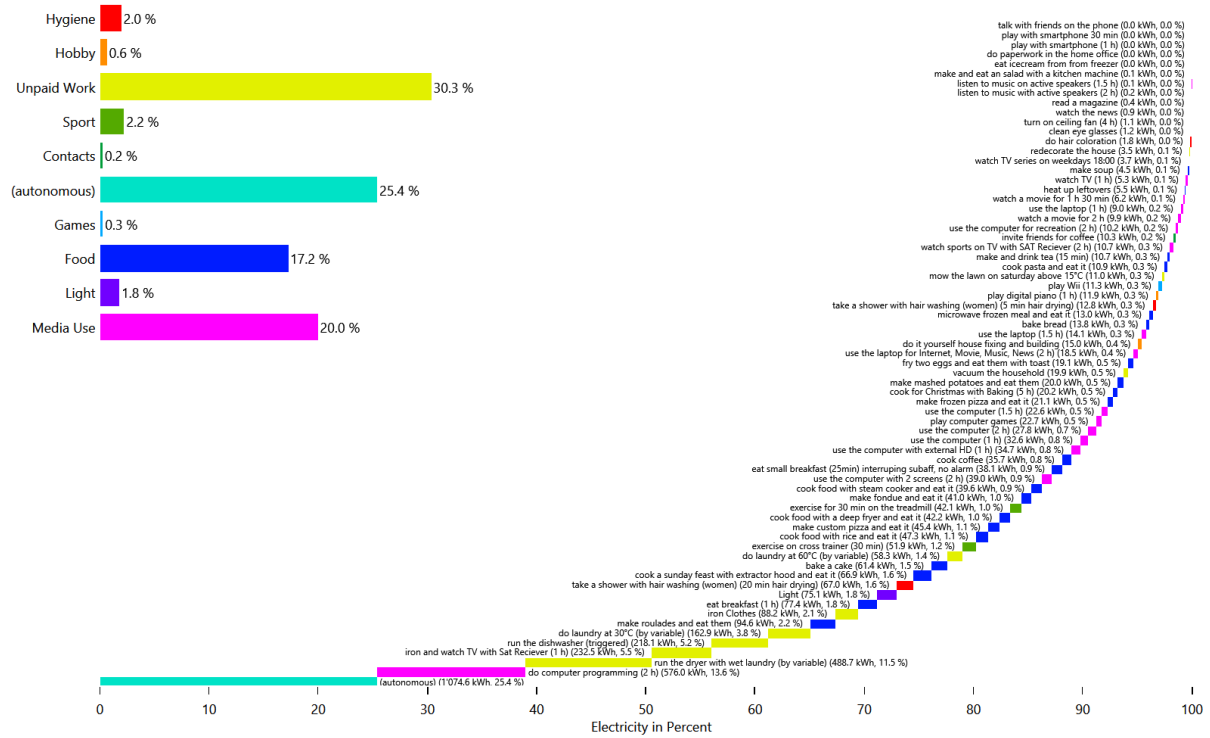


## HH0 - Cold Water

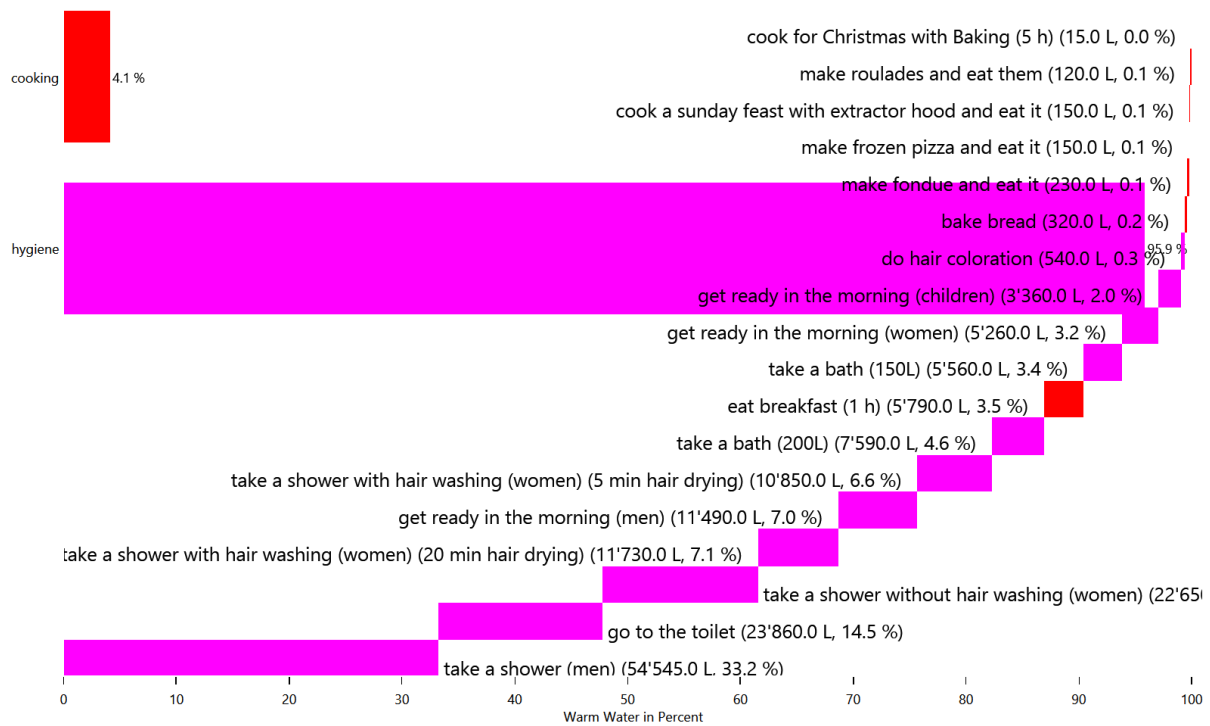




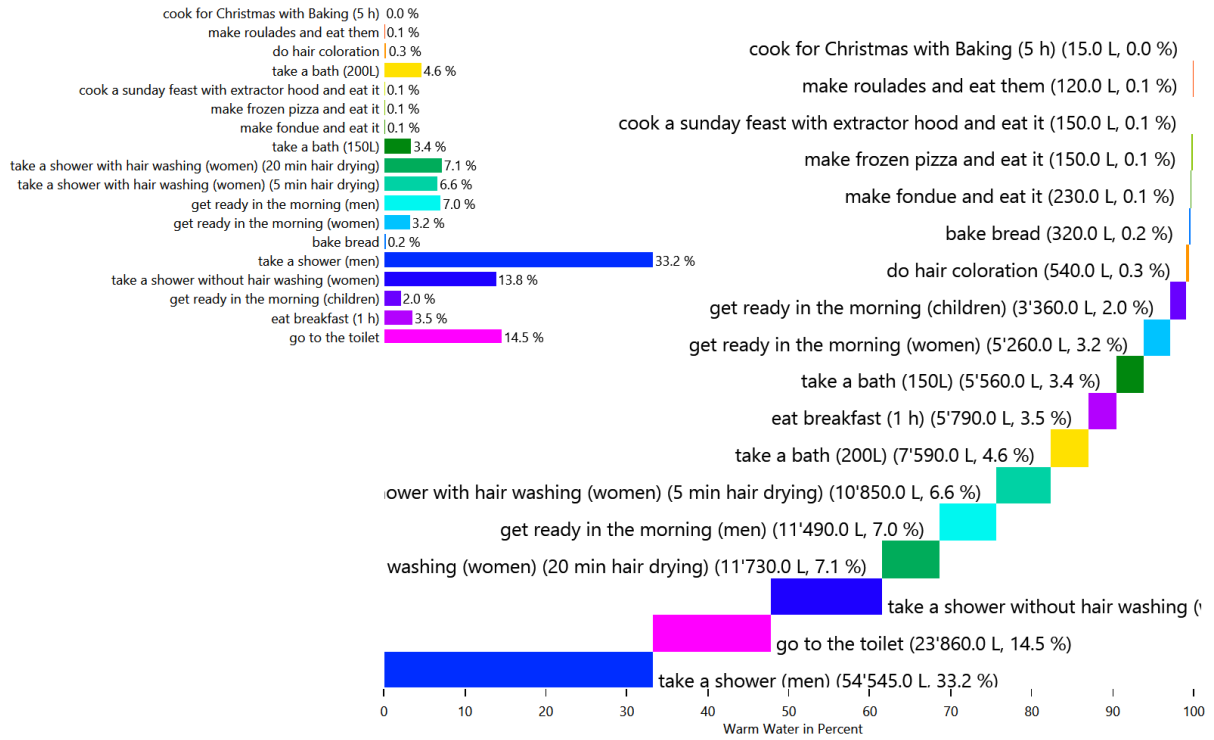
## HH0 - Electricity



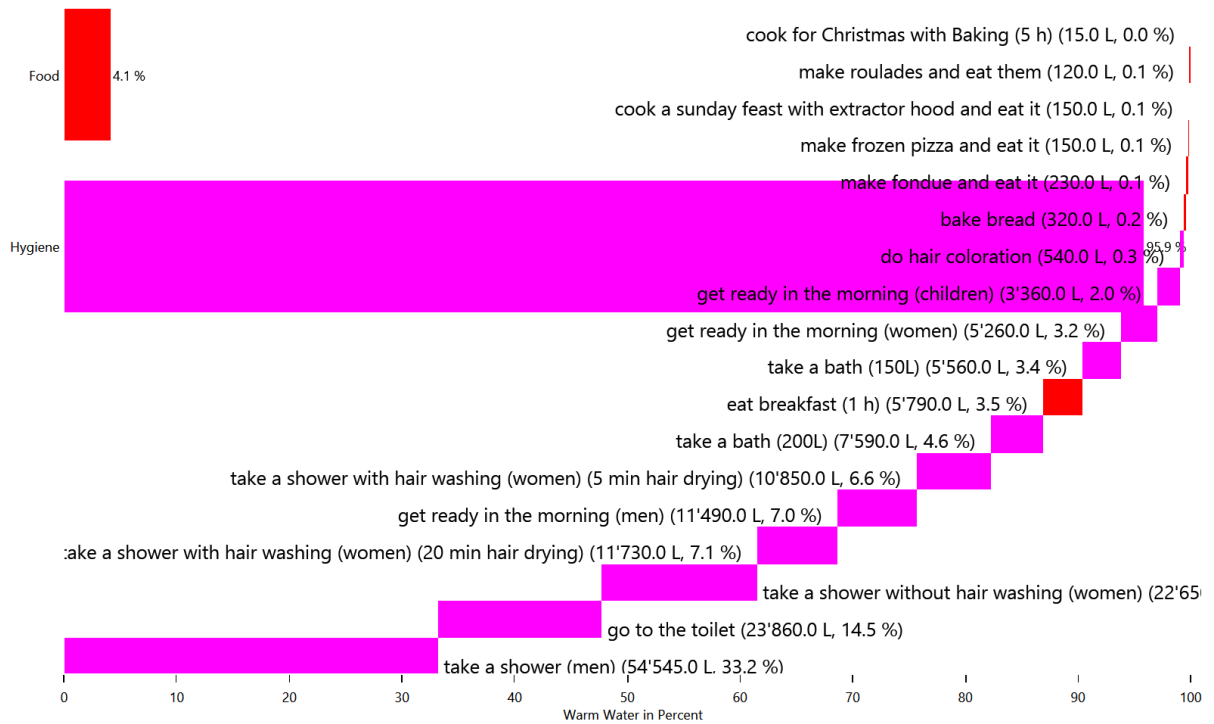
## HH0 - Warm Water



## HH0 - Warm Water



## HH0 - Warm Water



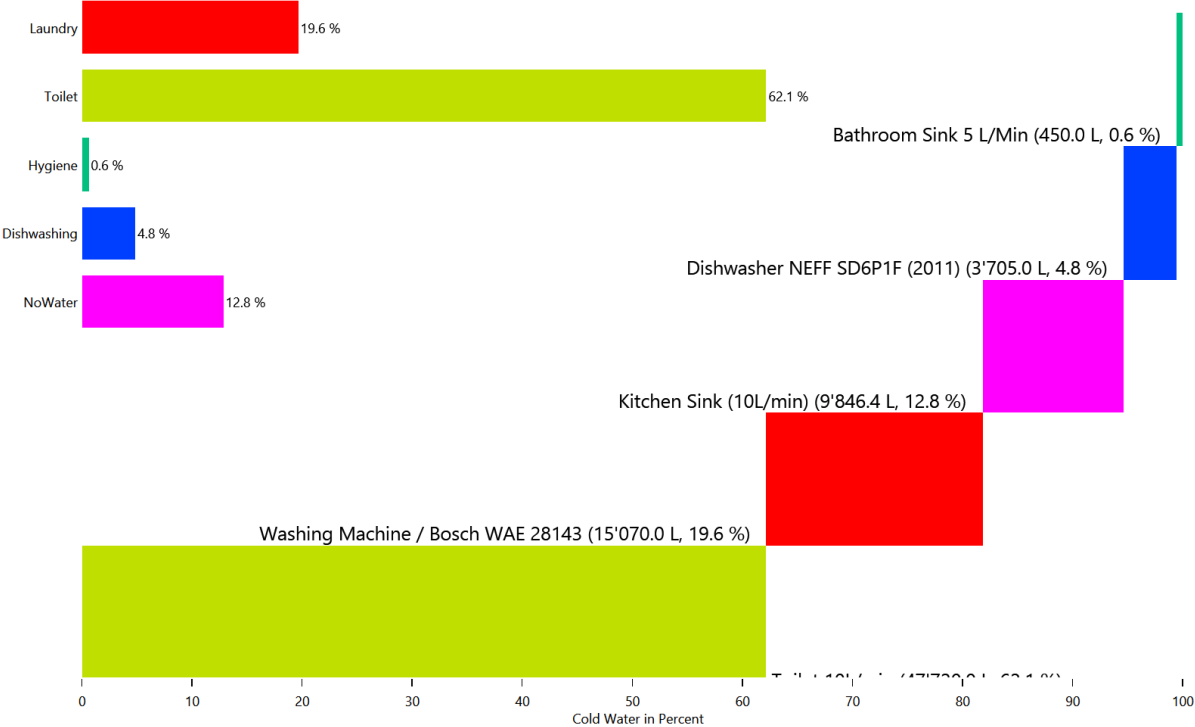


# Energy use for each load type for each device

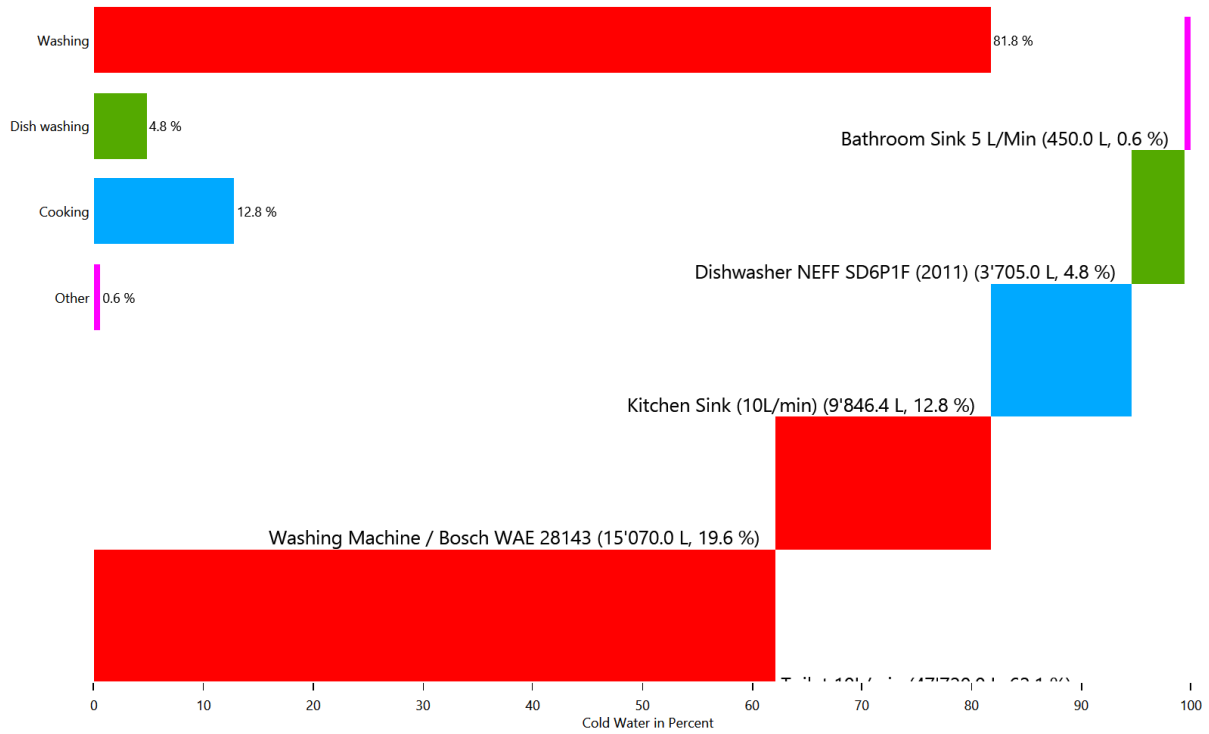
This is made from the files starting with: DeviceSums

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

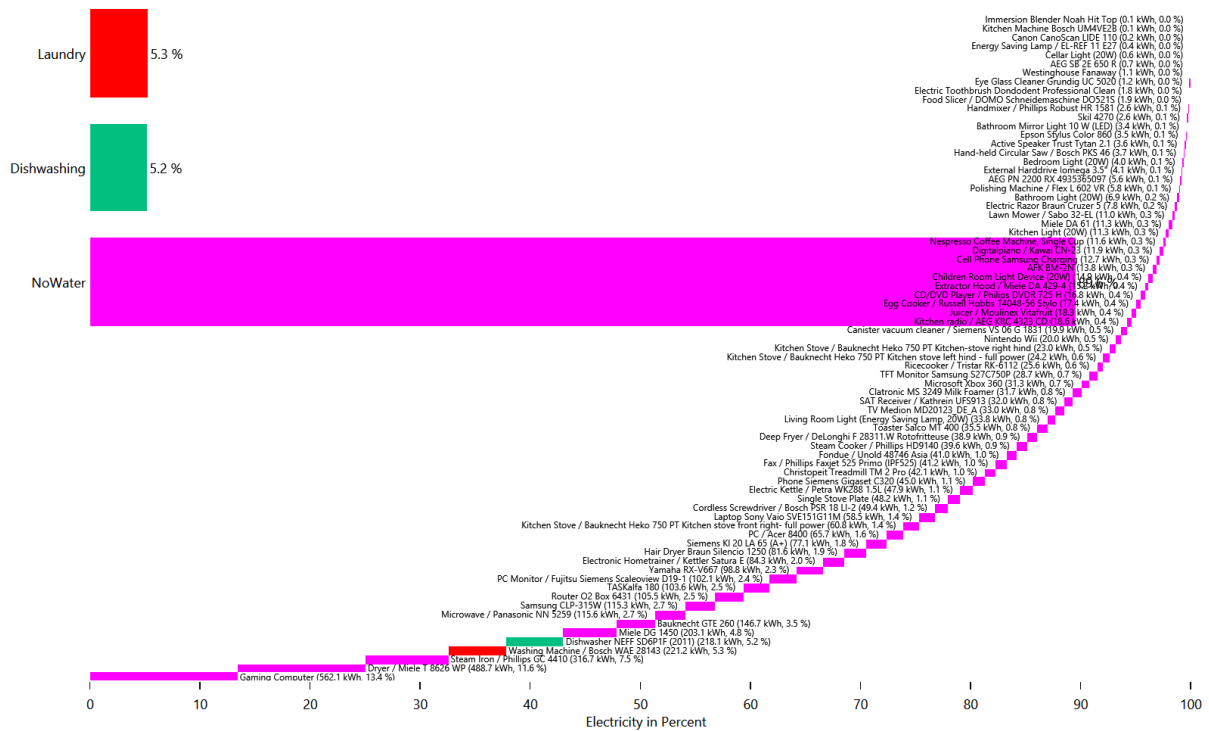
## Cold Water



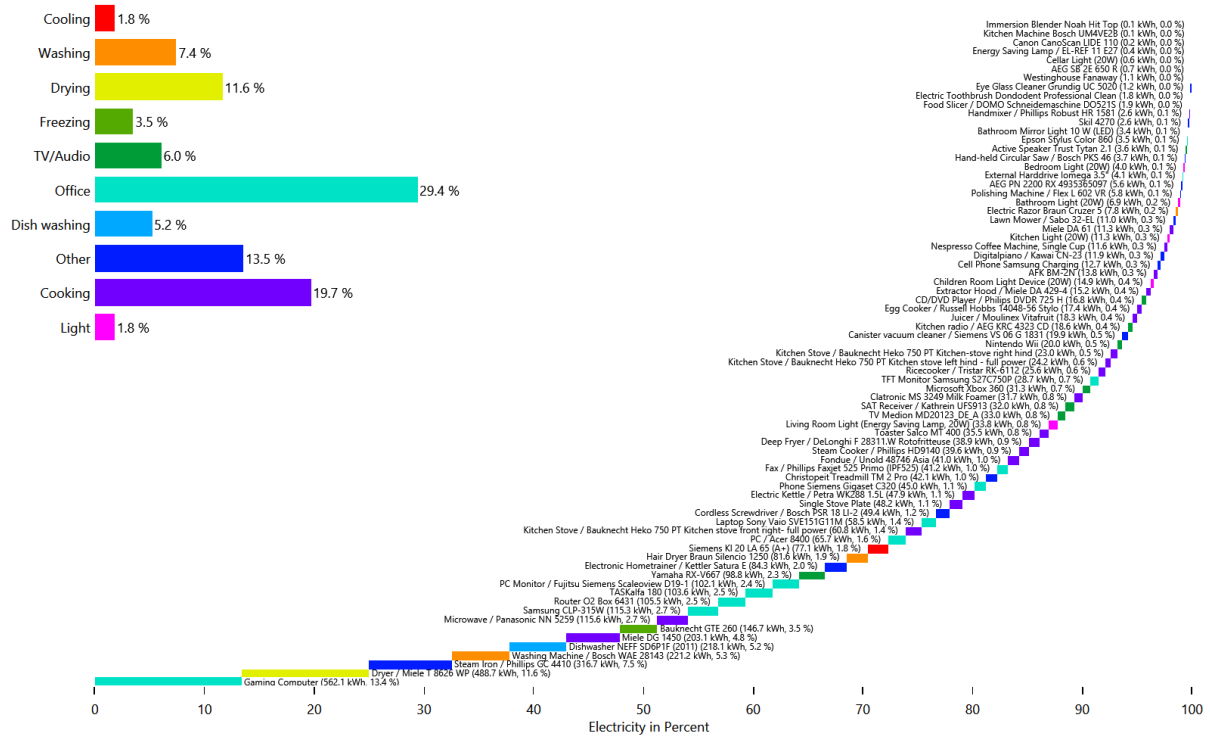
# Cold Water



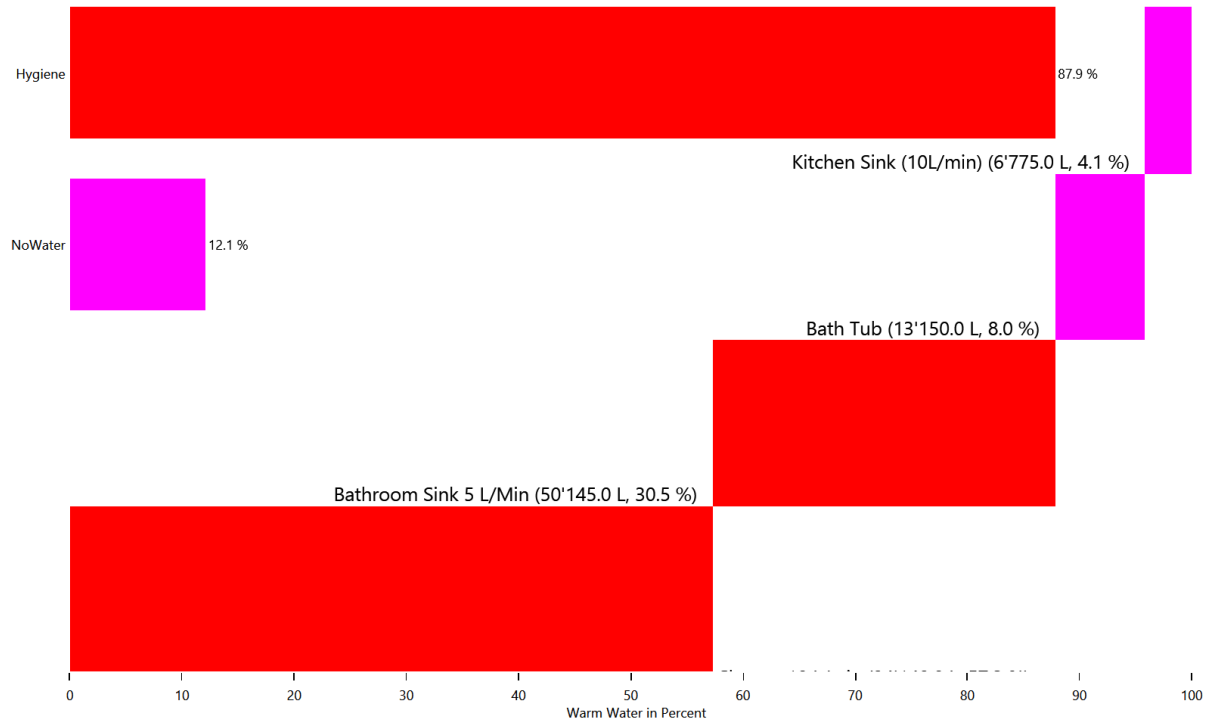
# Electricity



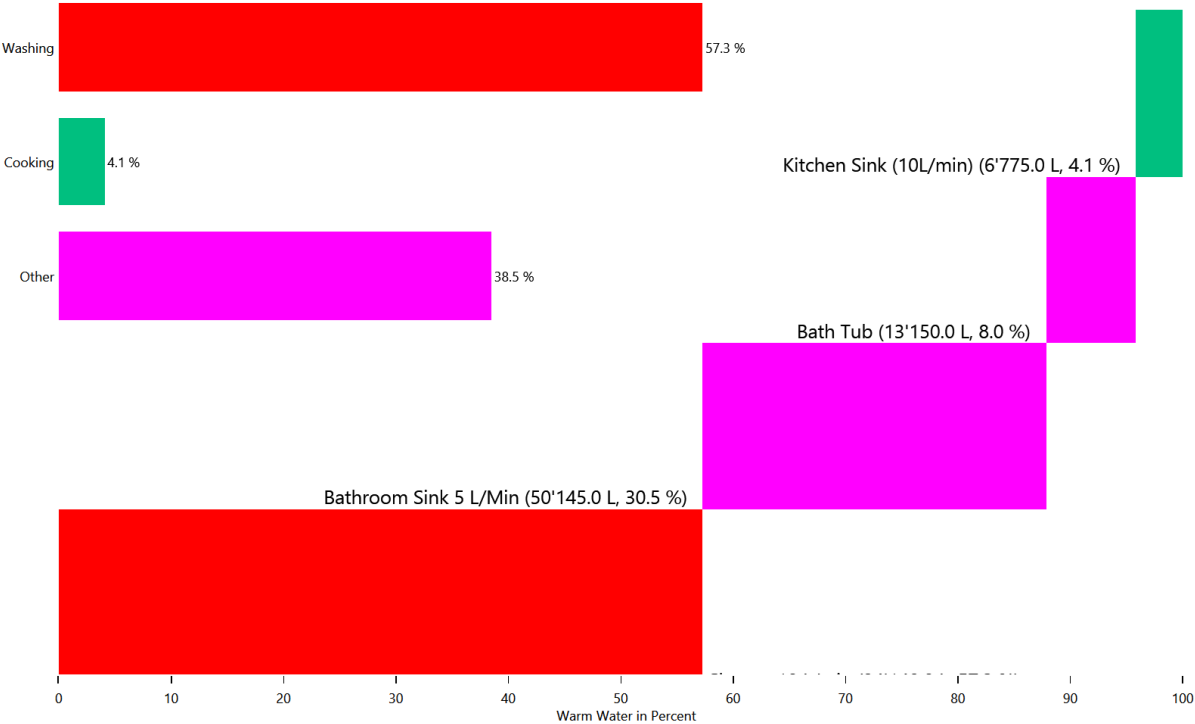
# Electricity



# Warm Water



# Warm Water

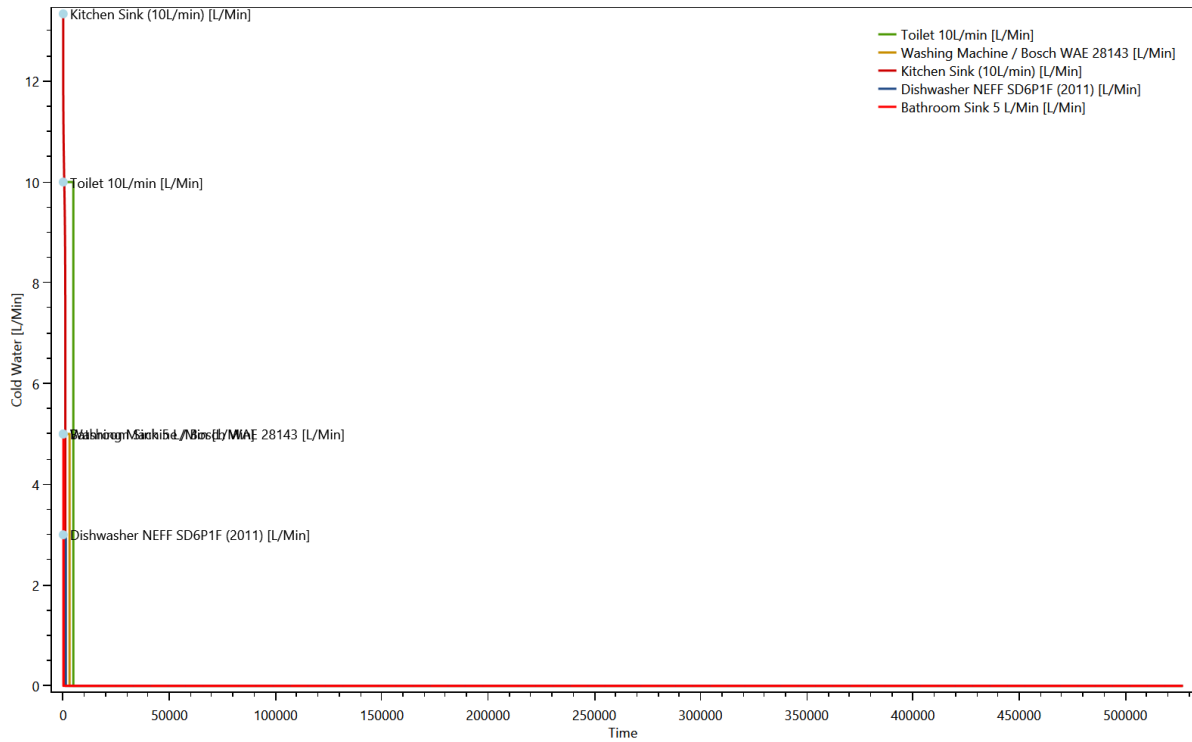


# Duration curve for each device for each load type

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



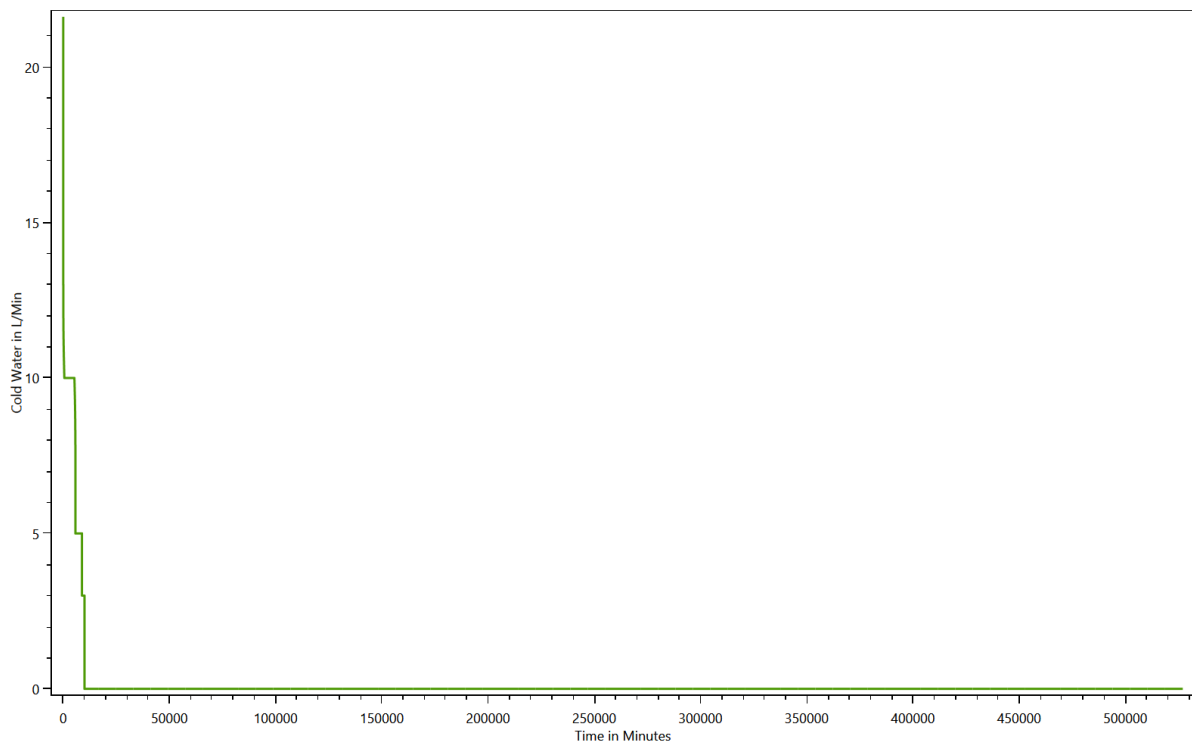


# Duration curve for each load type

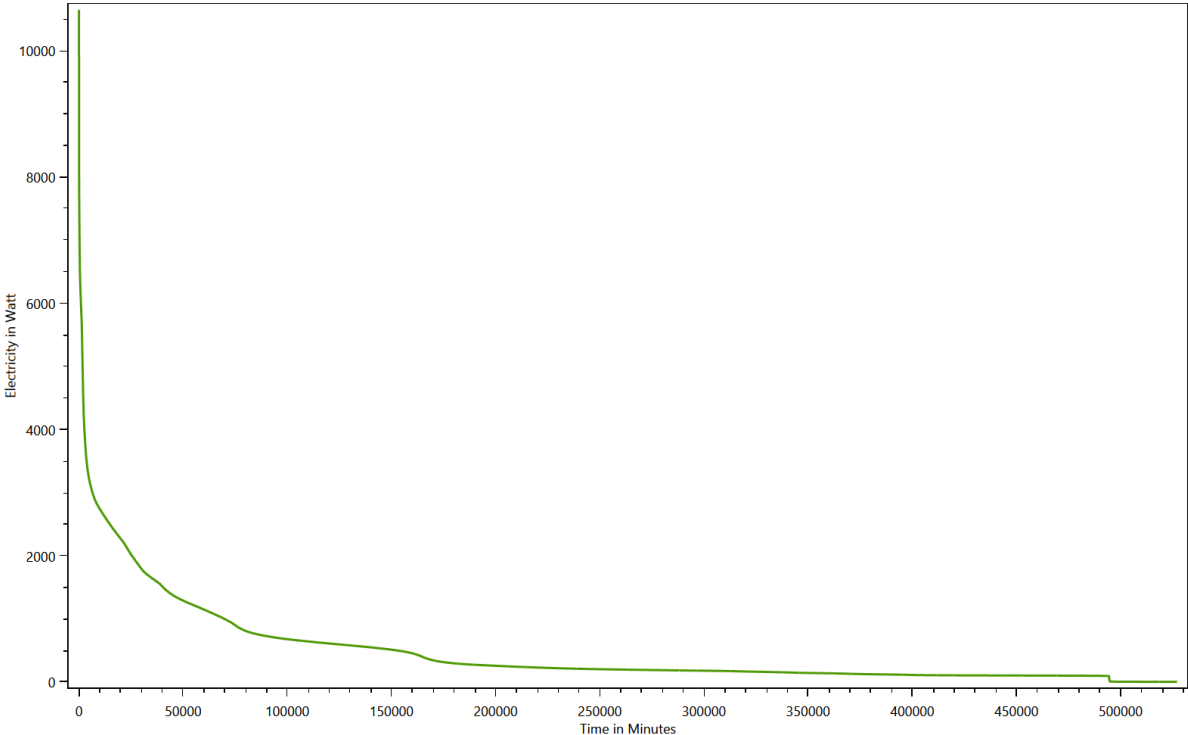
This is made from the files starting with: **DurationCurve**

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

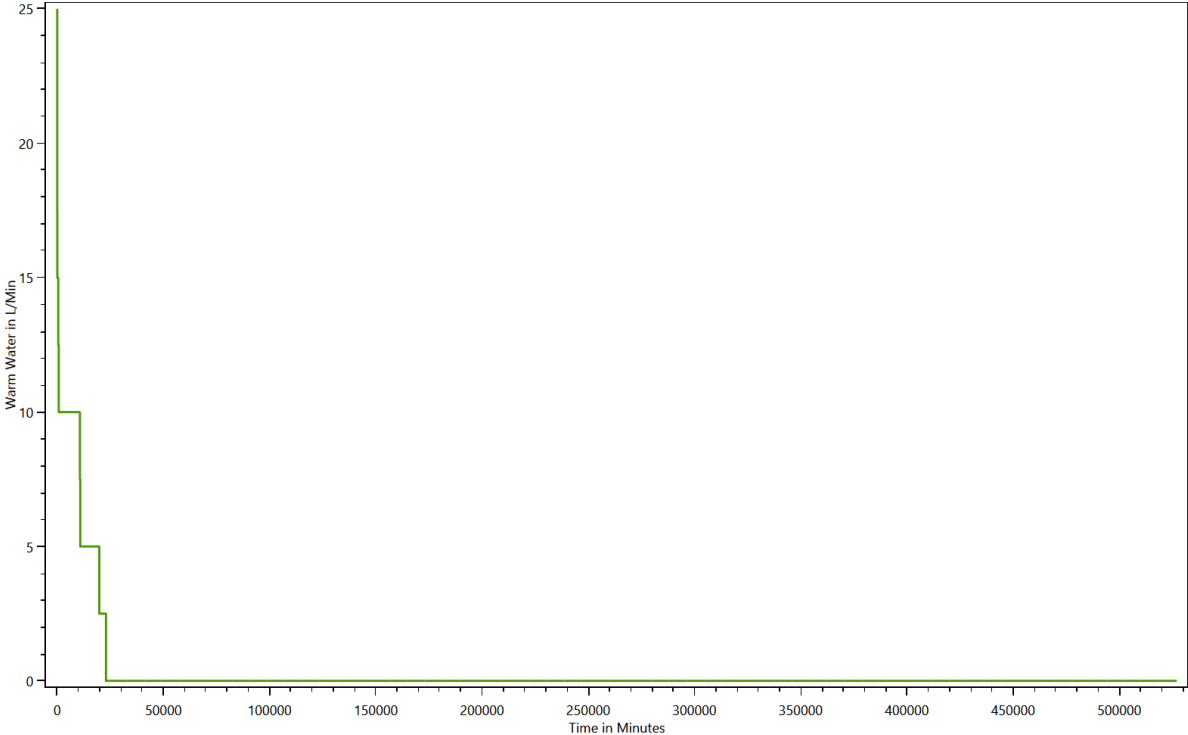
## Cold Water



# Electricity



# Warm Water



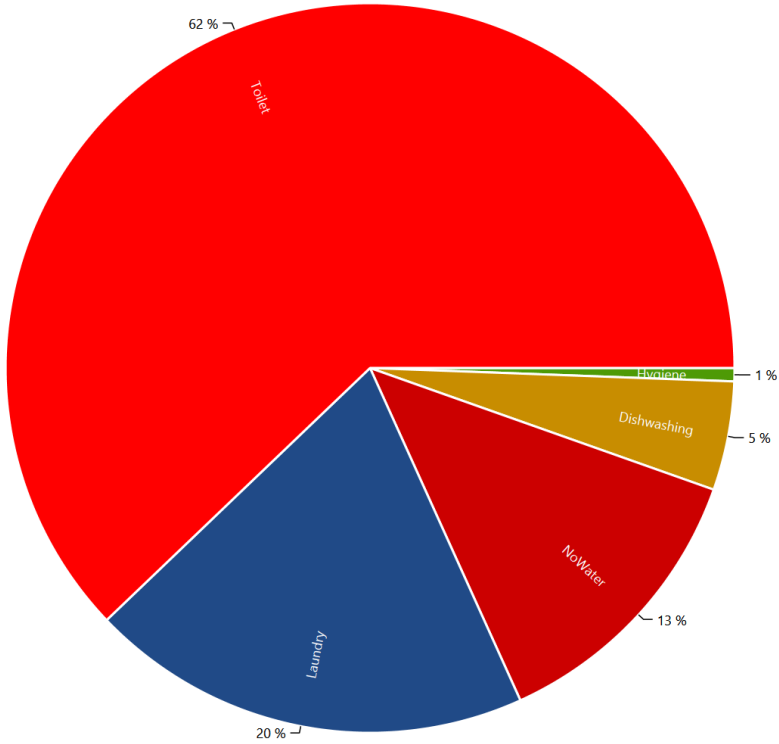


# Grouped energy use for each load type for each device

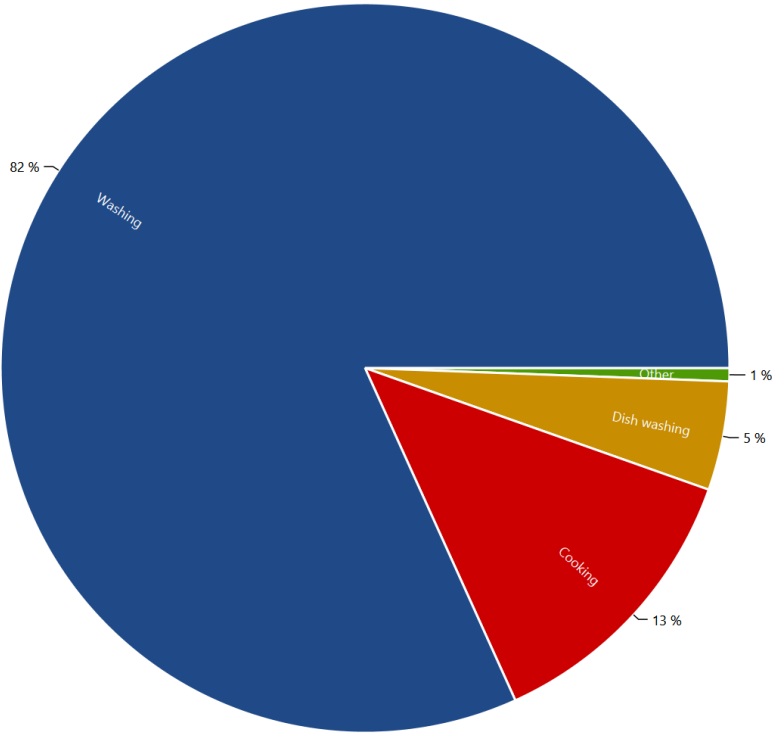
This is made from the files starting with: DeviceTaggingSet

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

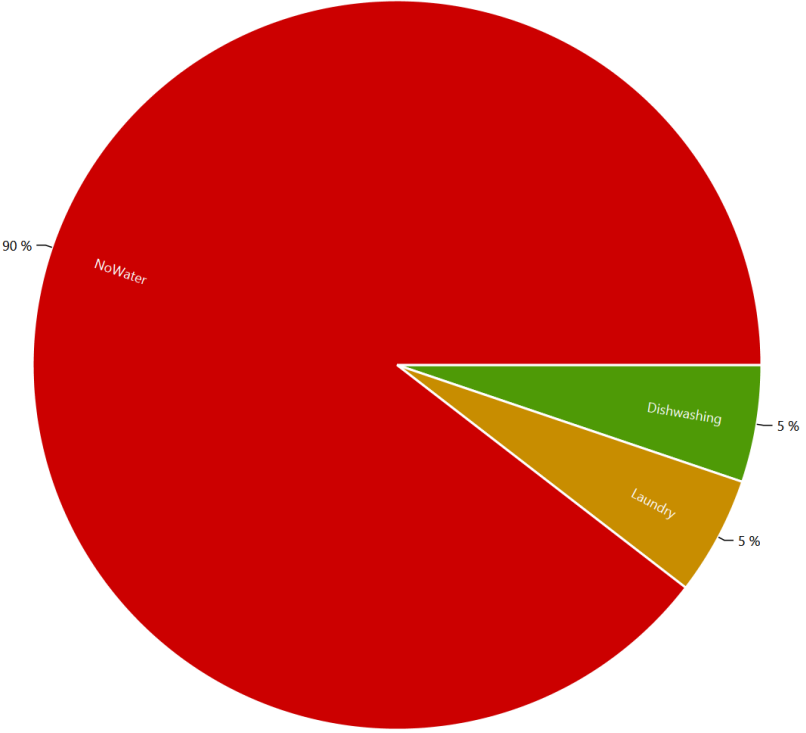
## HH0 - Destatis Water Usage Statistics - Cold Water



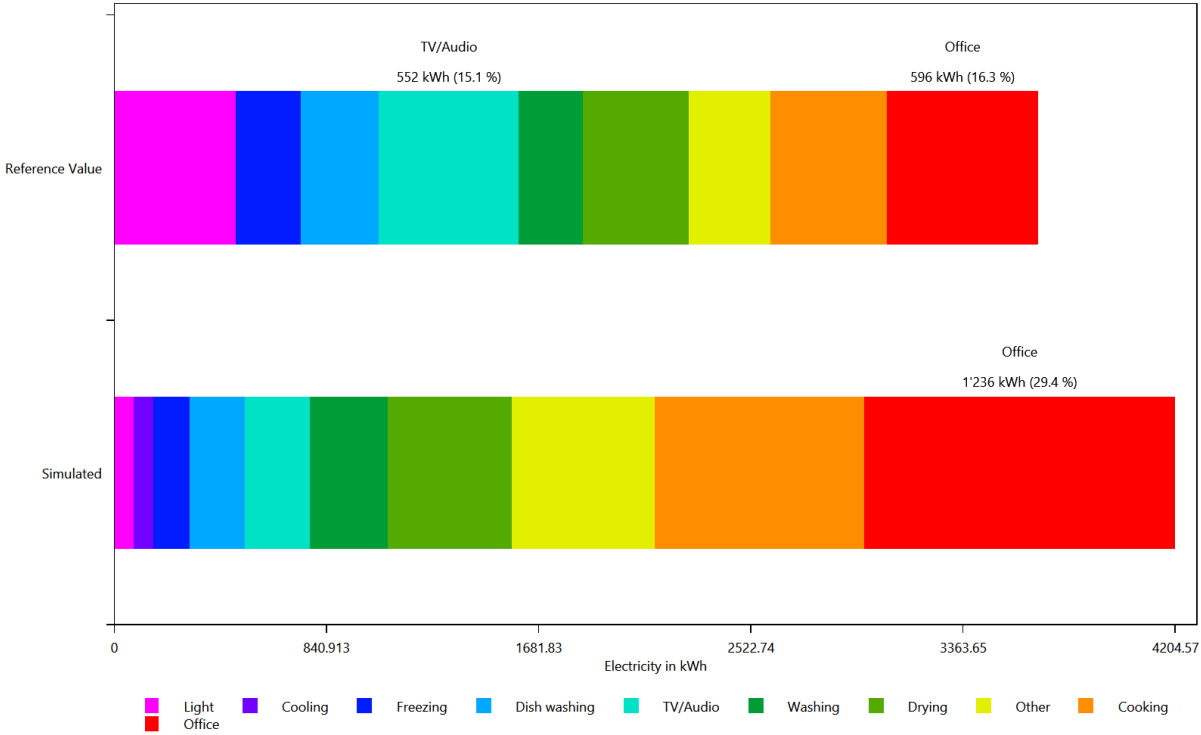
HH0 - Energieagentur - Cold Water



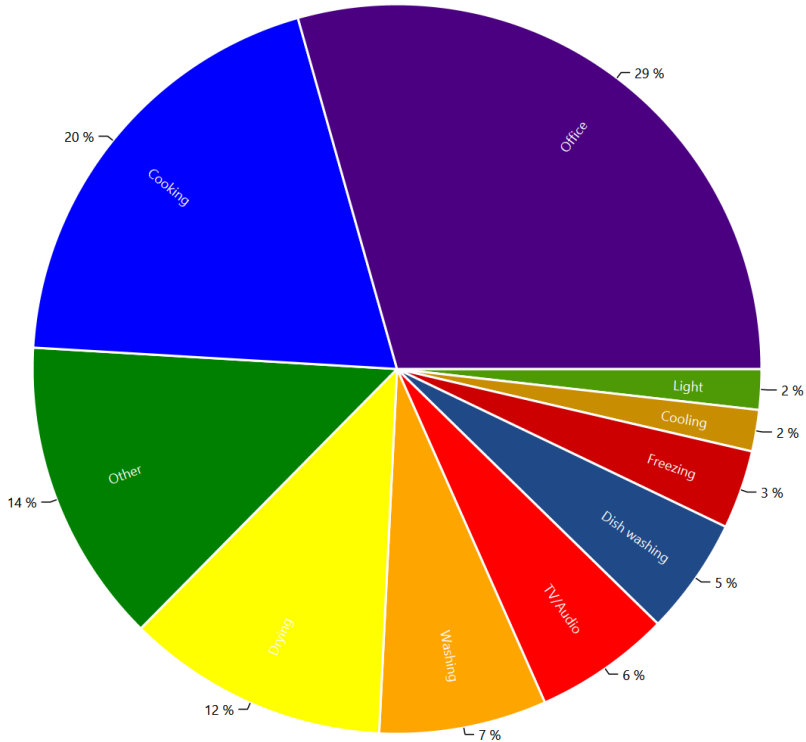
HH0 - Destatis Water Usage Statistics - Electricity



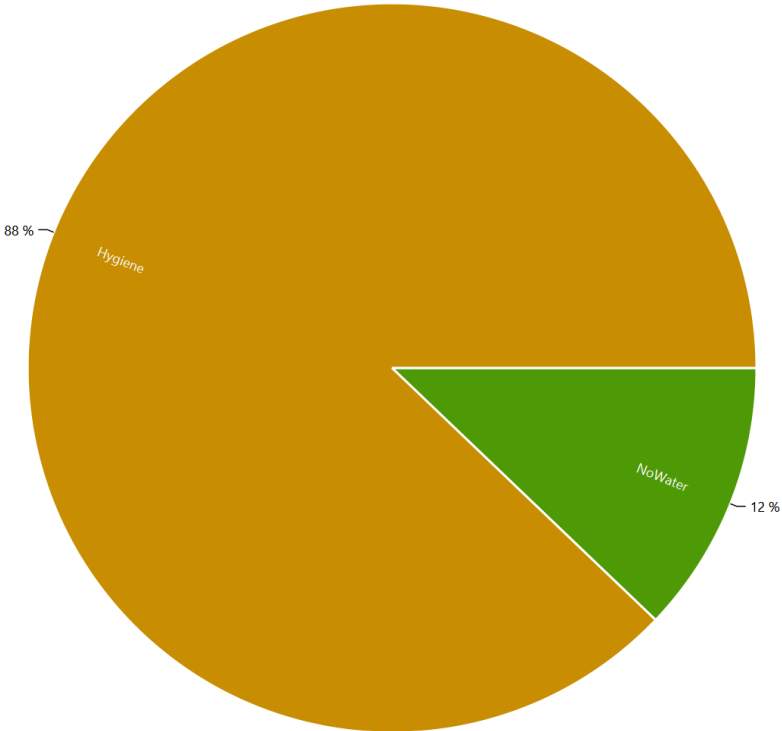
# HH0 - Energieagentur - Electricity



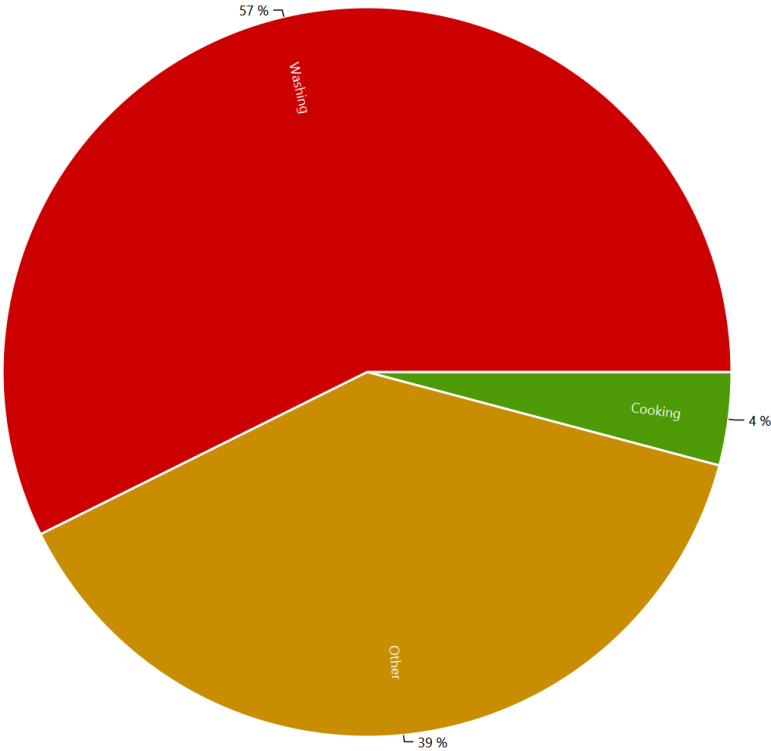
# HH0 - Energieagentur - Electricity



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

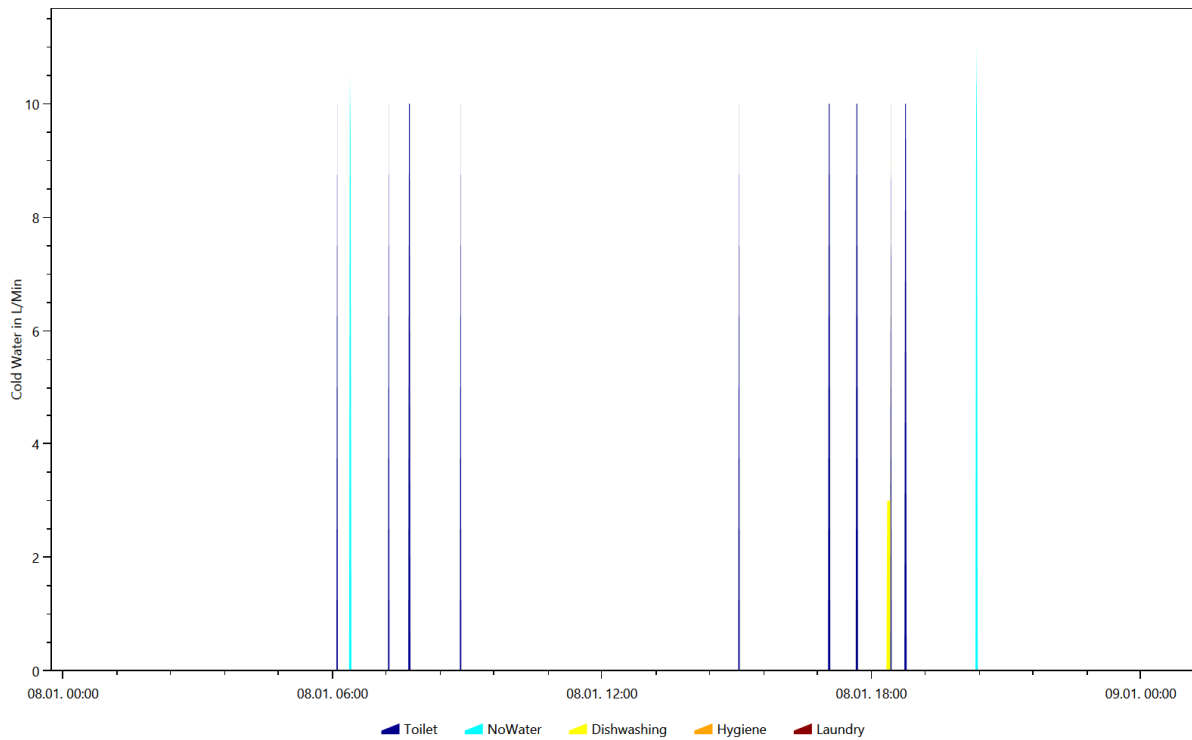


# Example of the device profiles for each load type

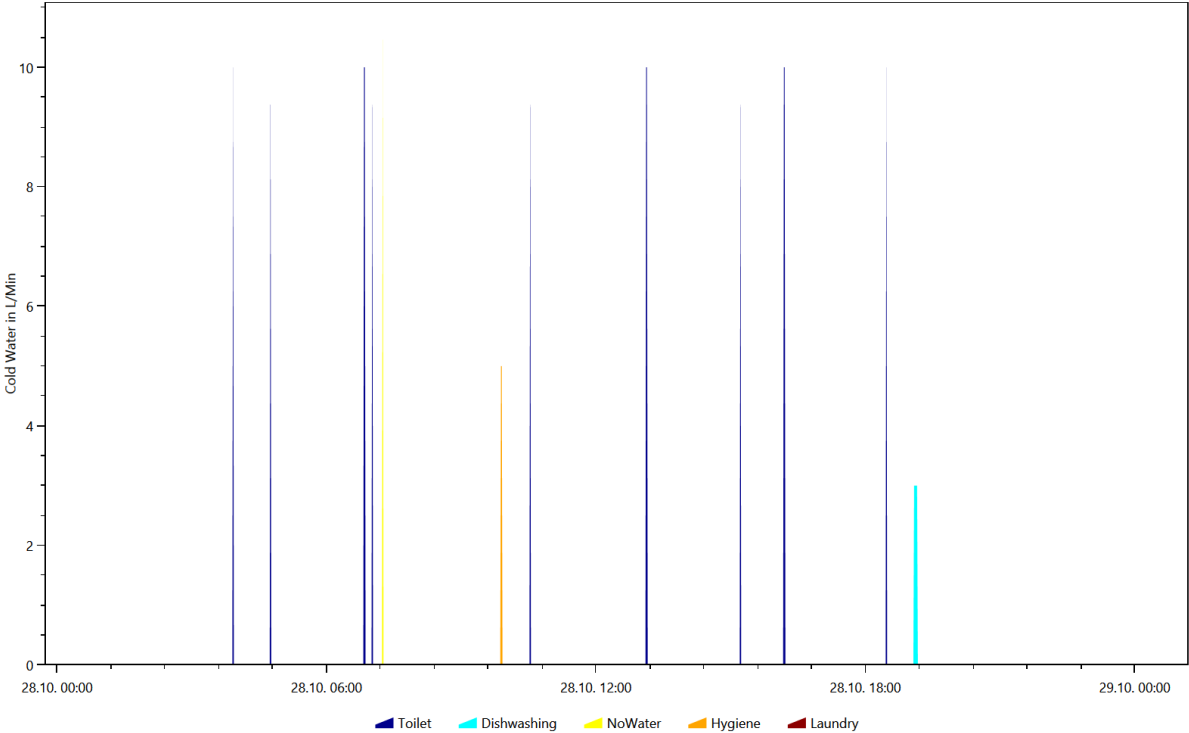
This is made from the files starting with: DeviceProfiles

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

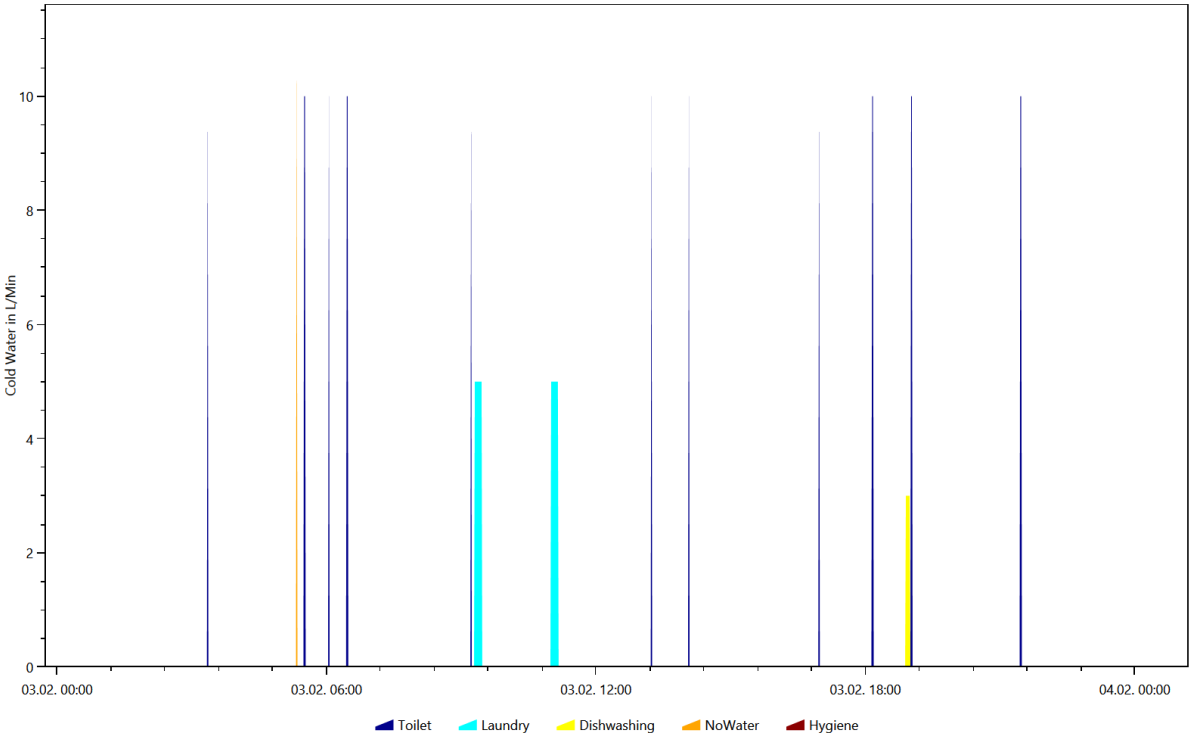
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.8



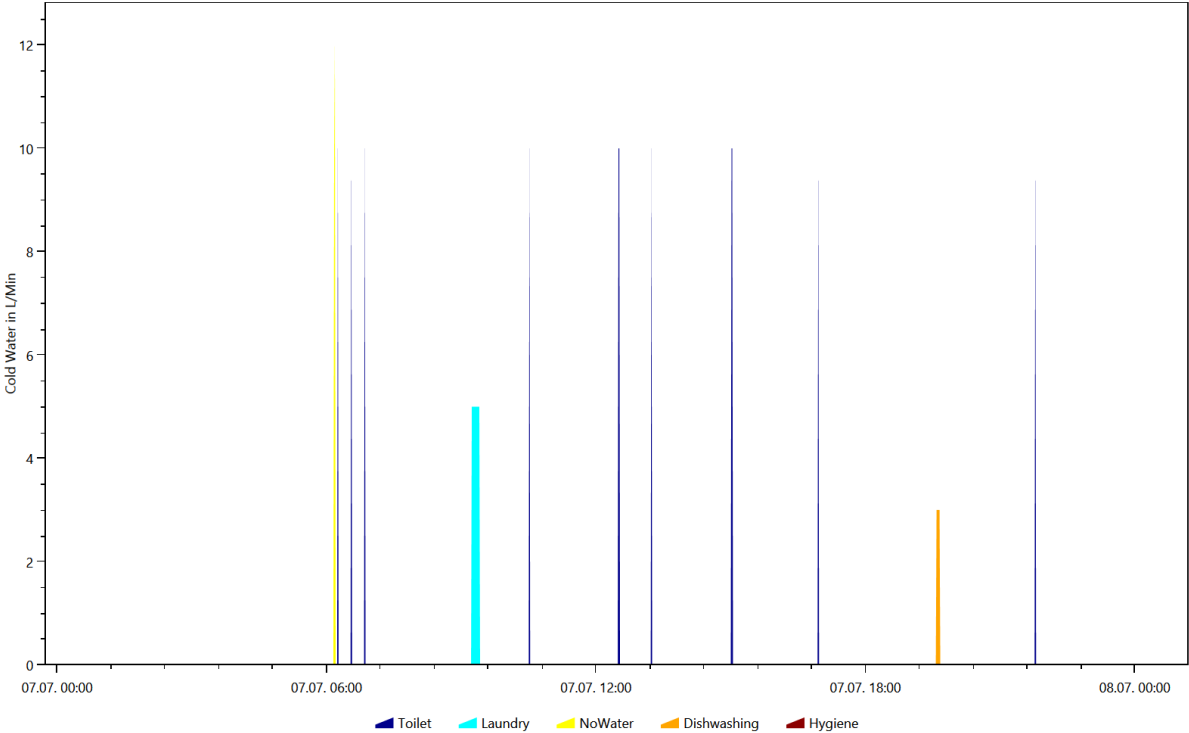
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.28



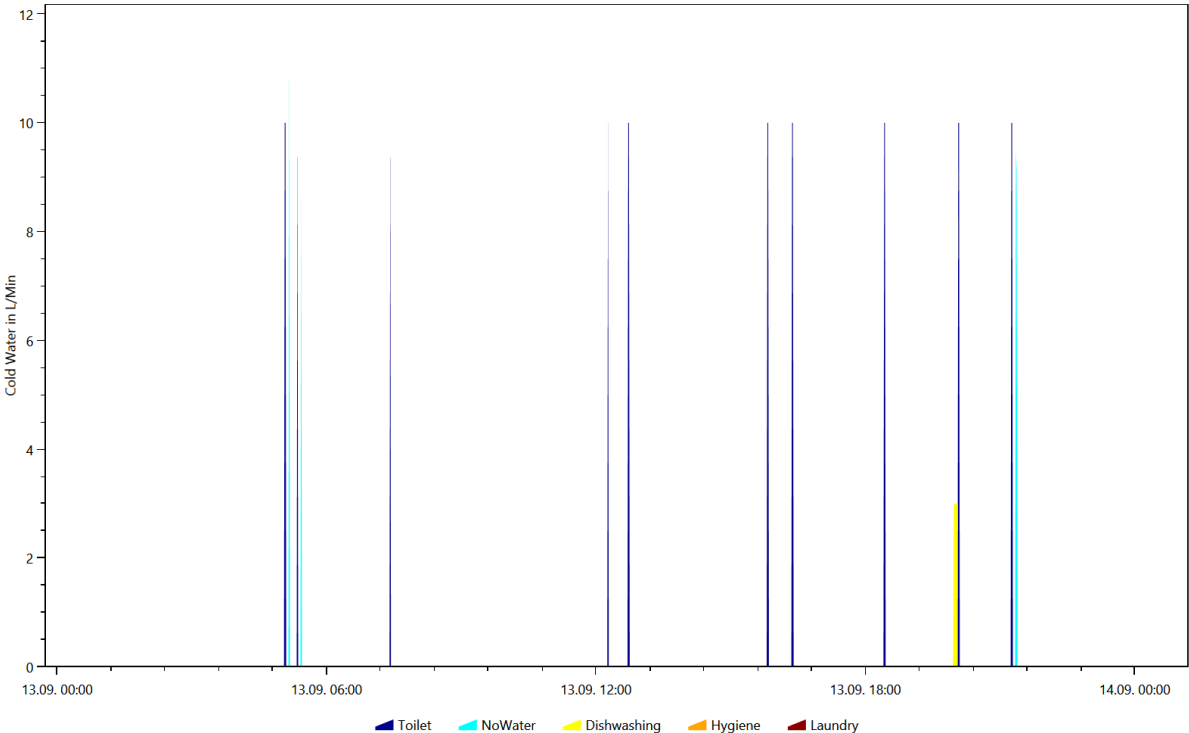
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.3



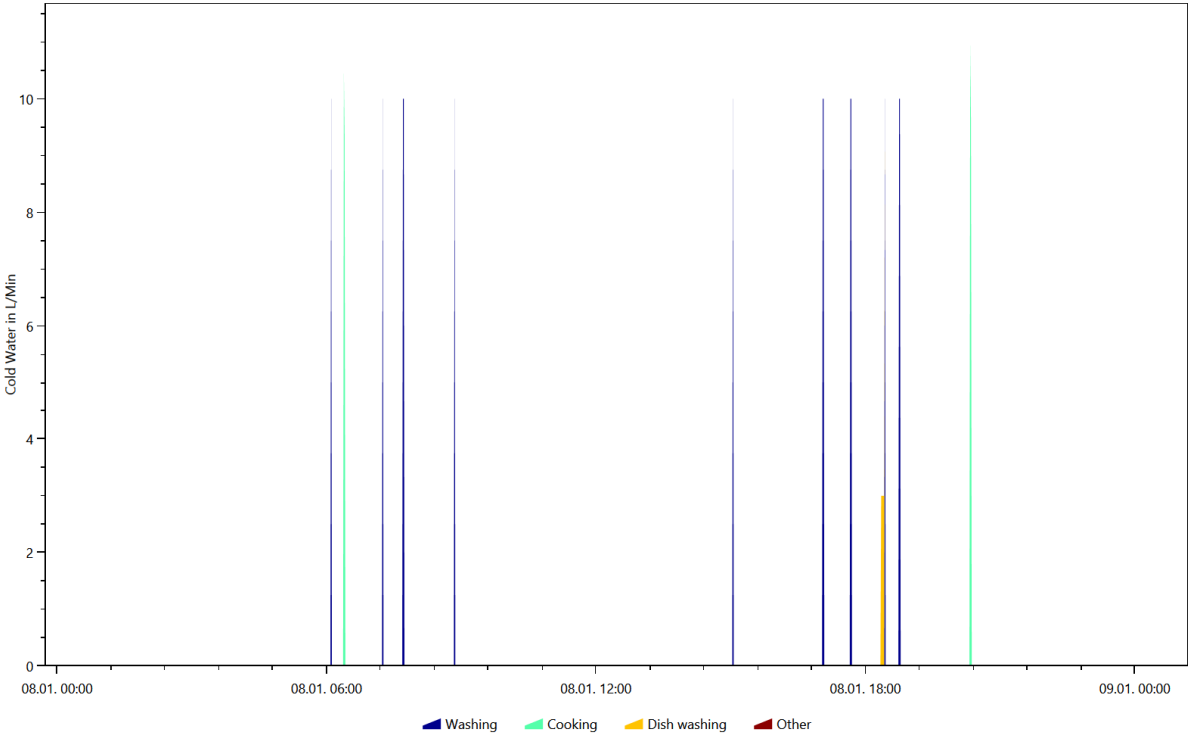
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.7



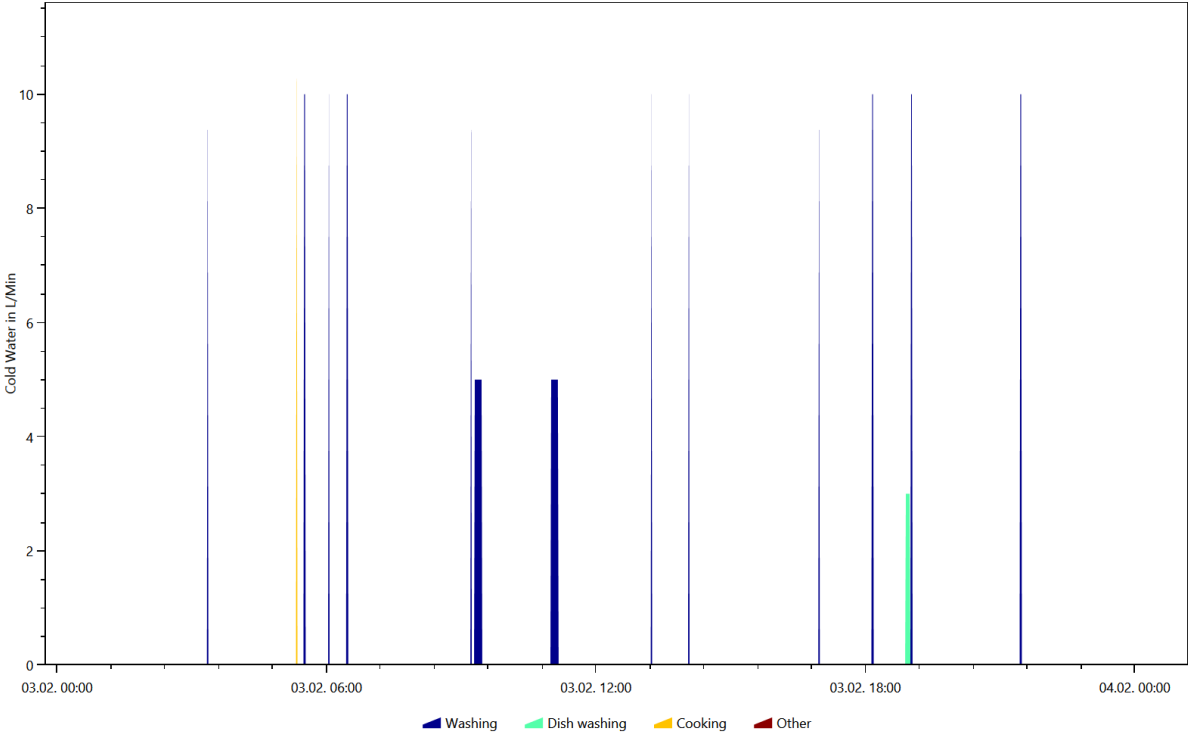
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.13



Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.8

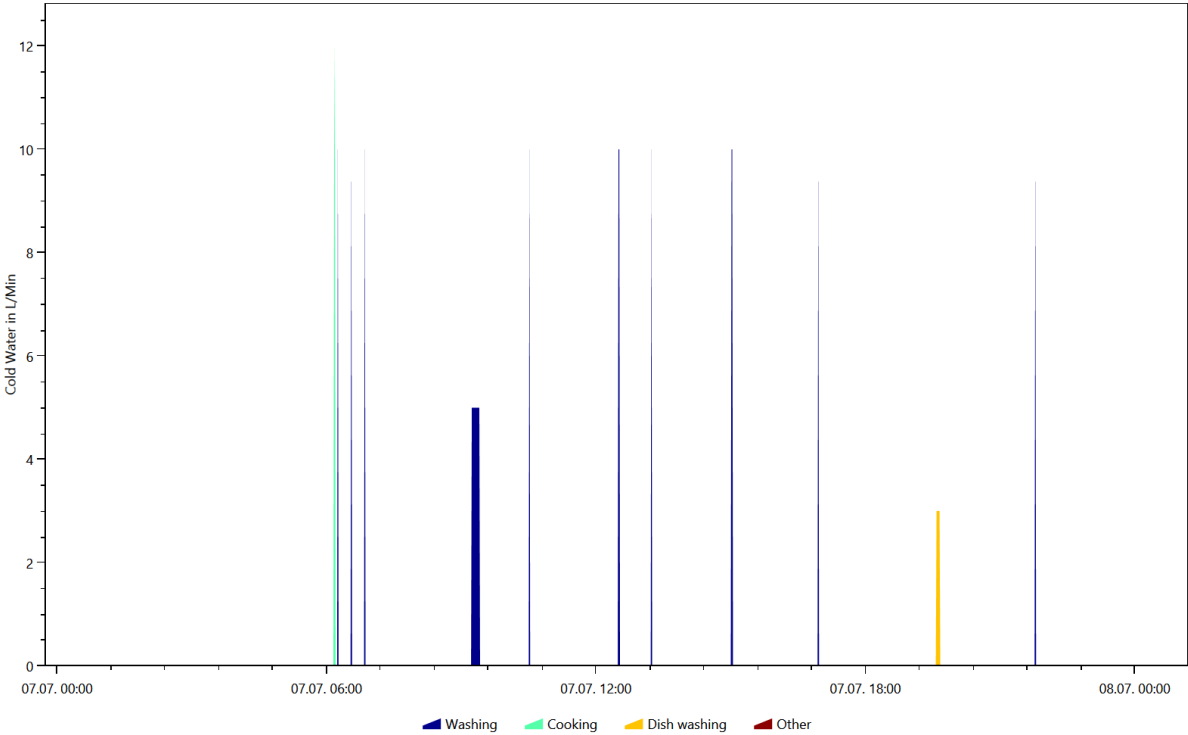


Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.3

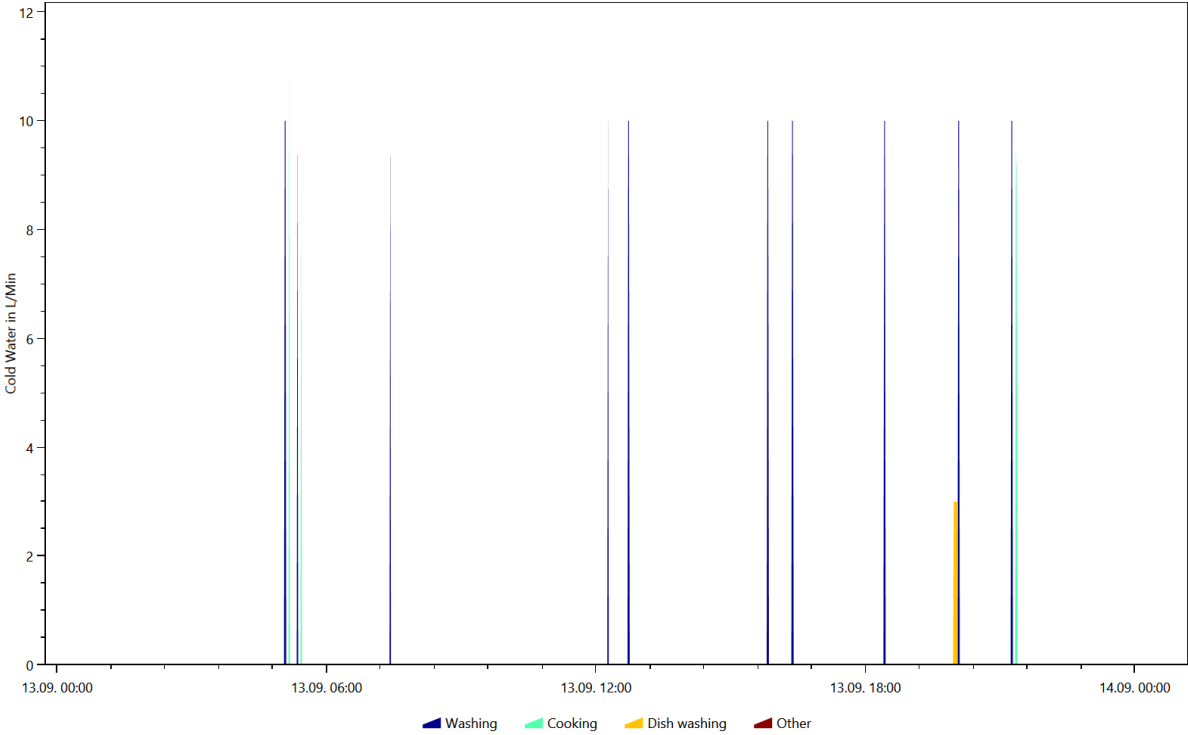




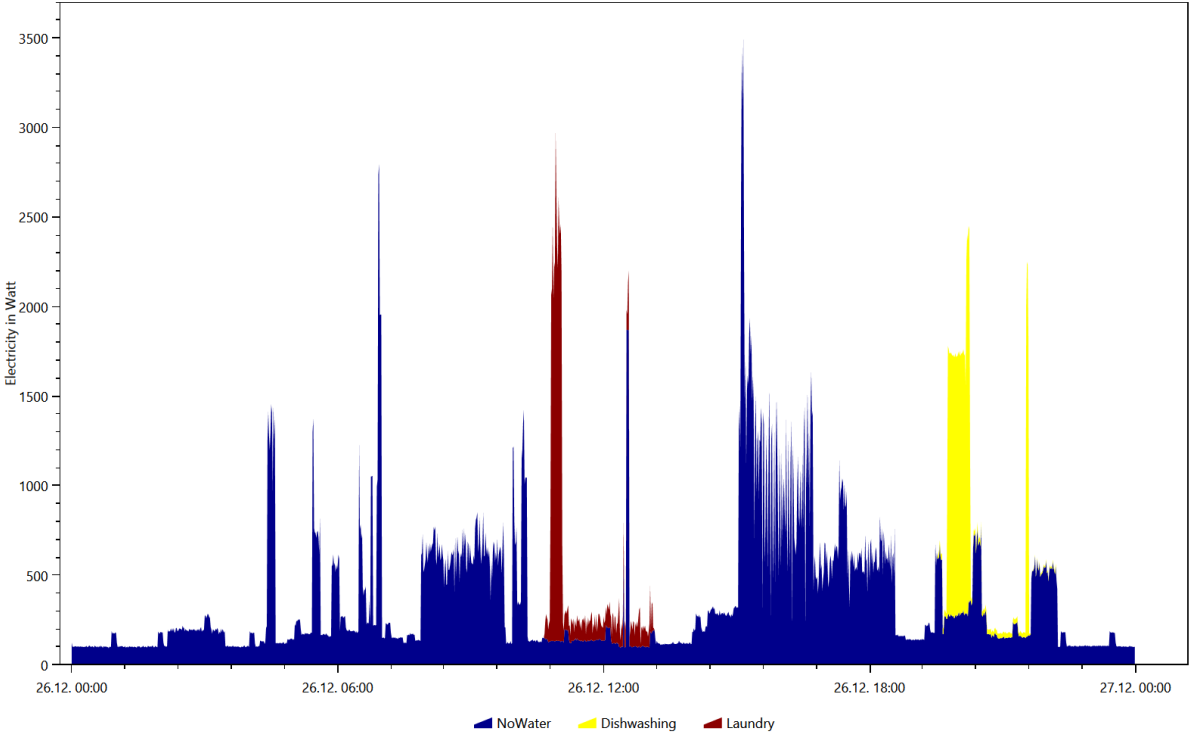
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.7



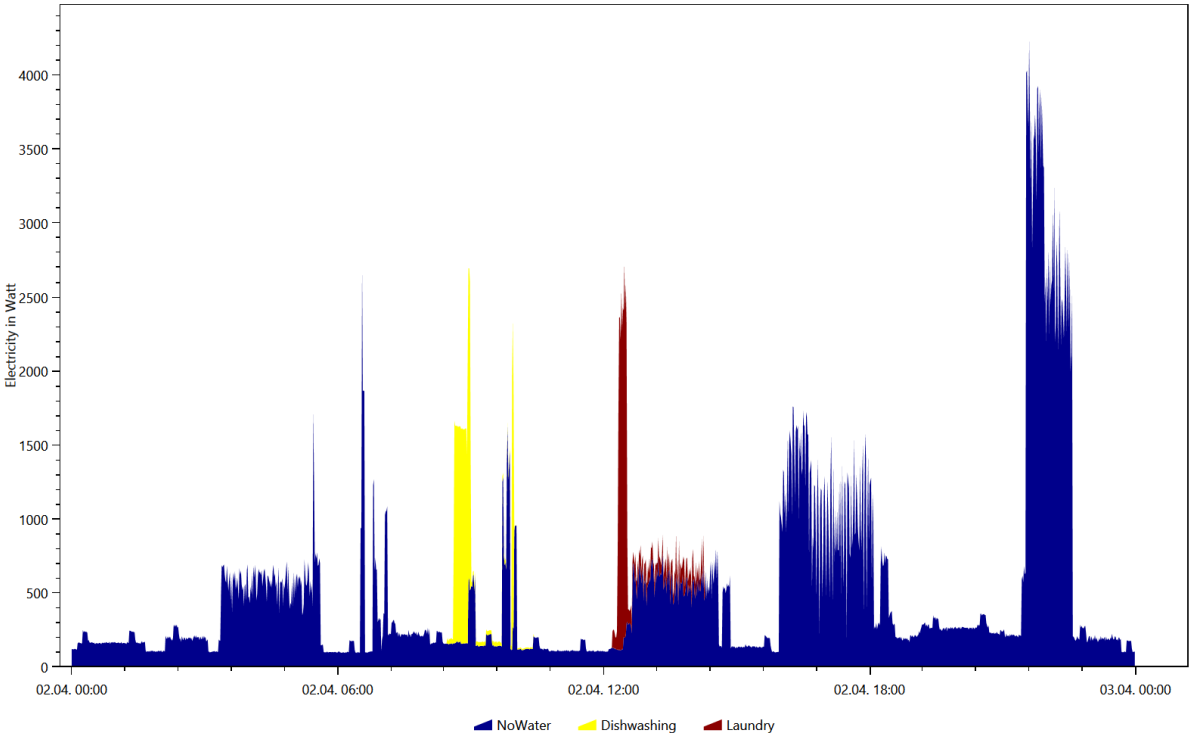
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.13



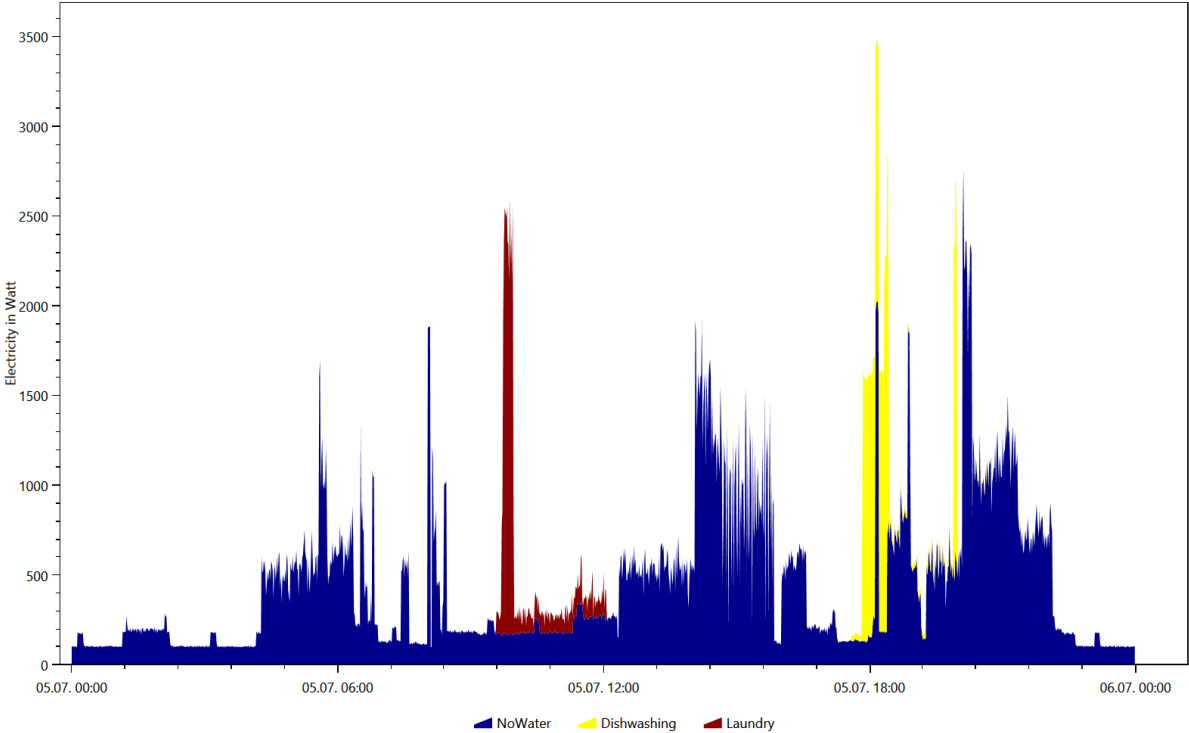
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.12.26



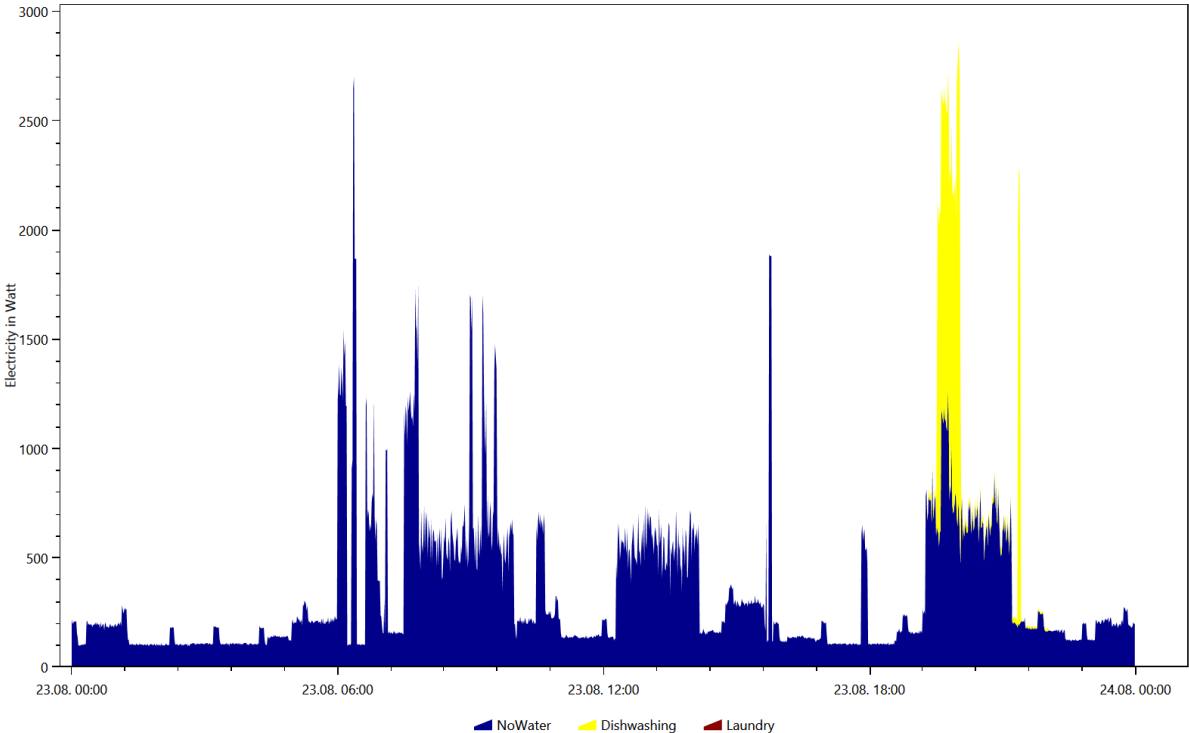
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.2



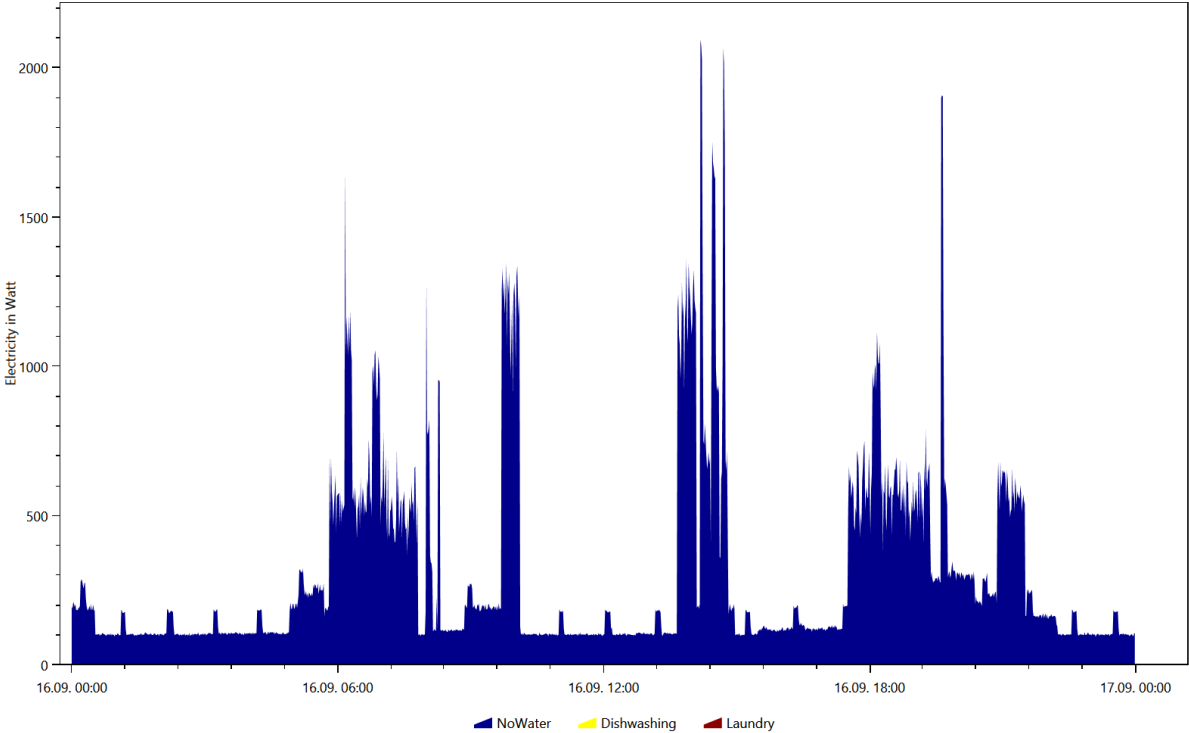
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.5



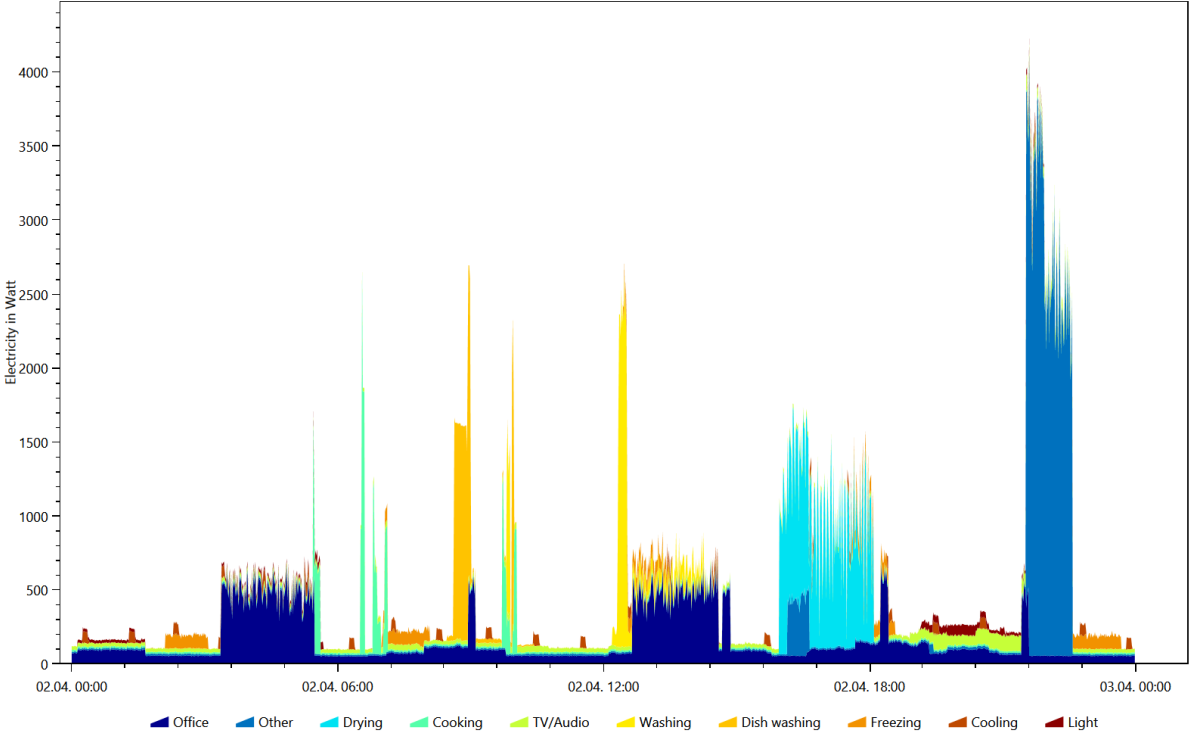
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.23



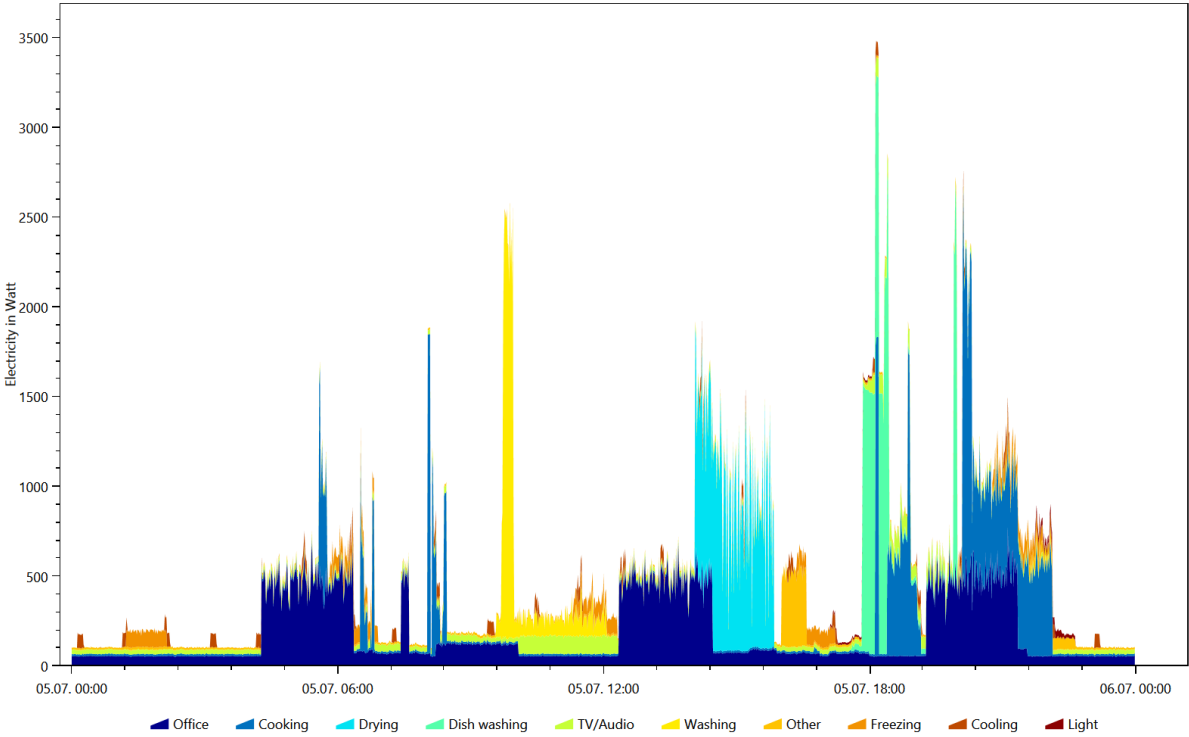
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.16



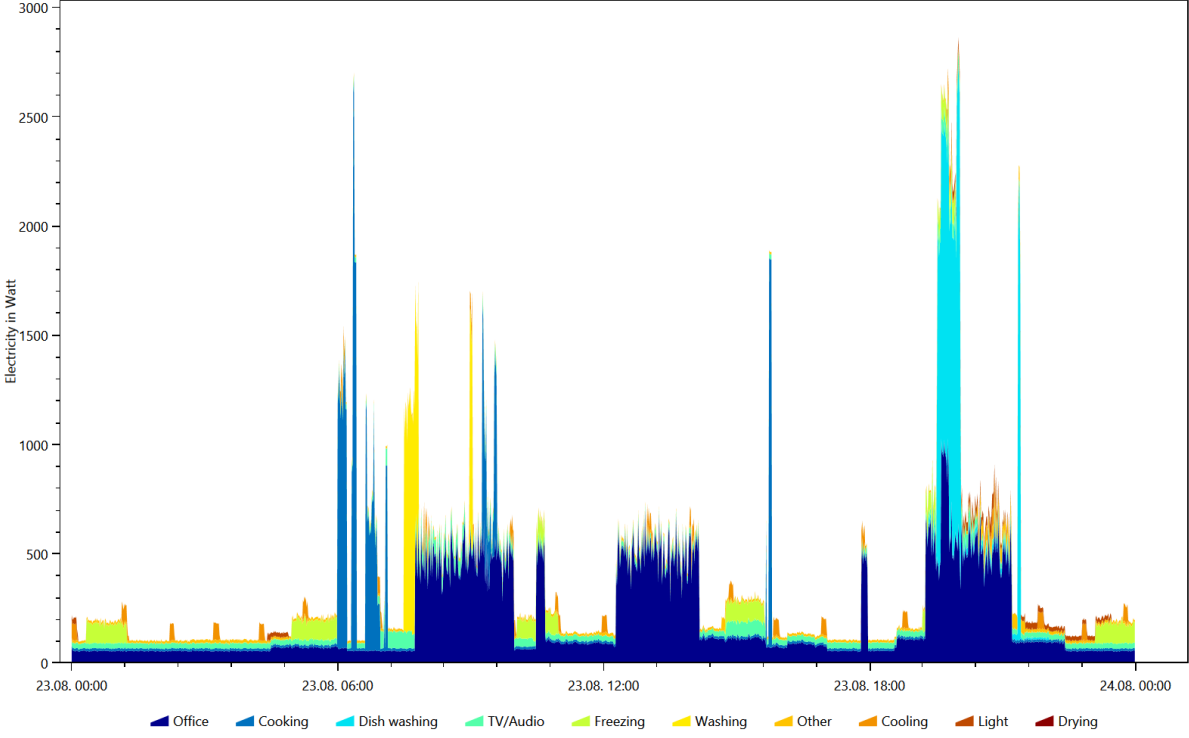
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.2



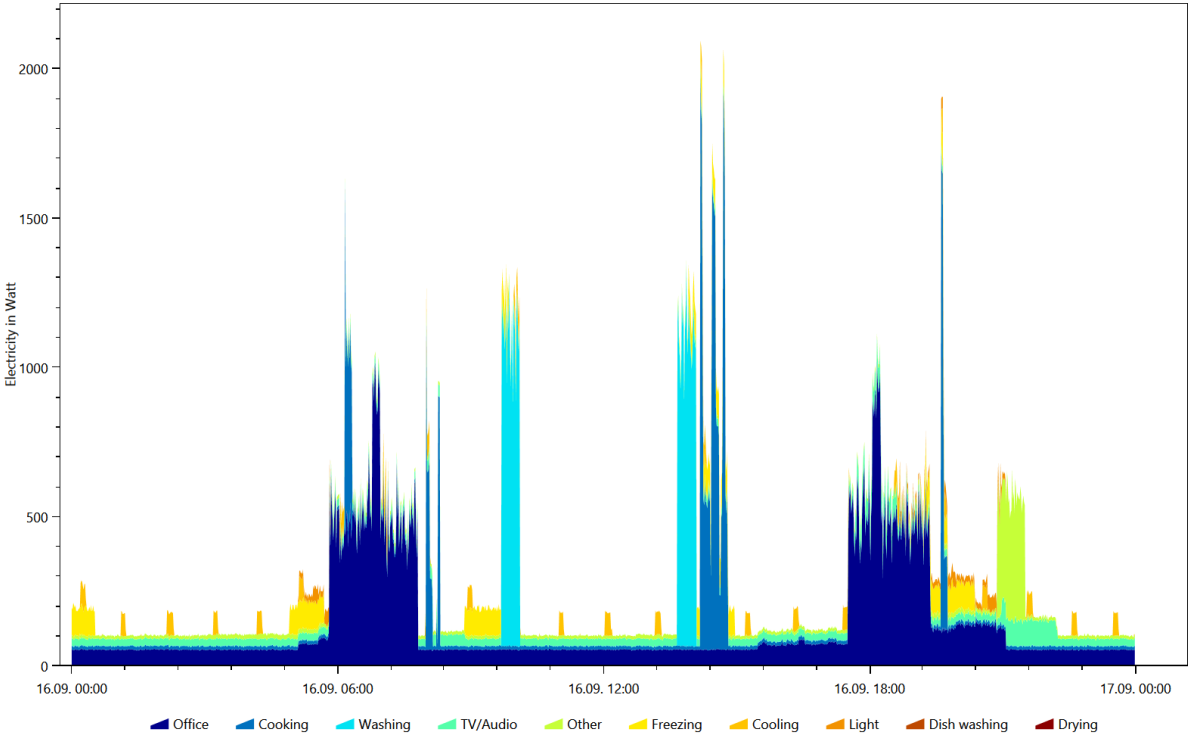
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.5



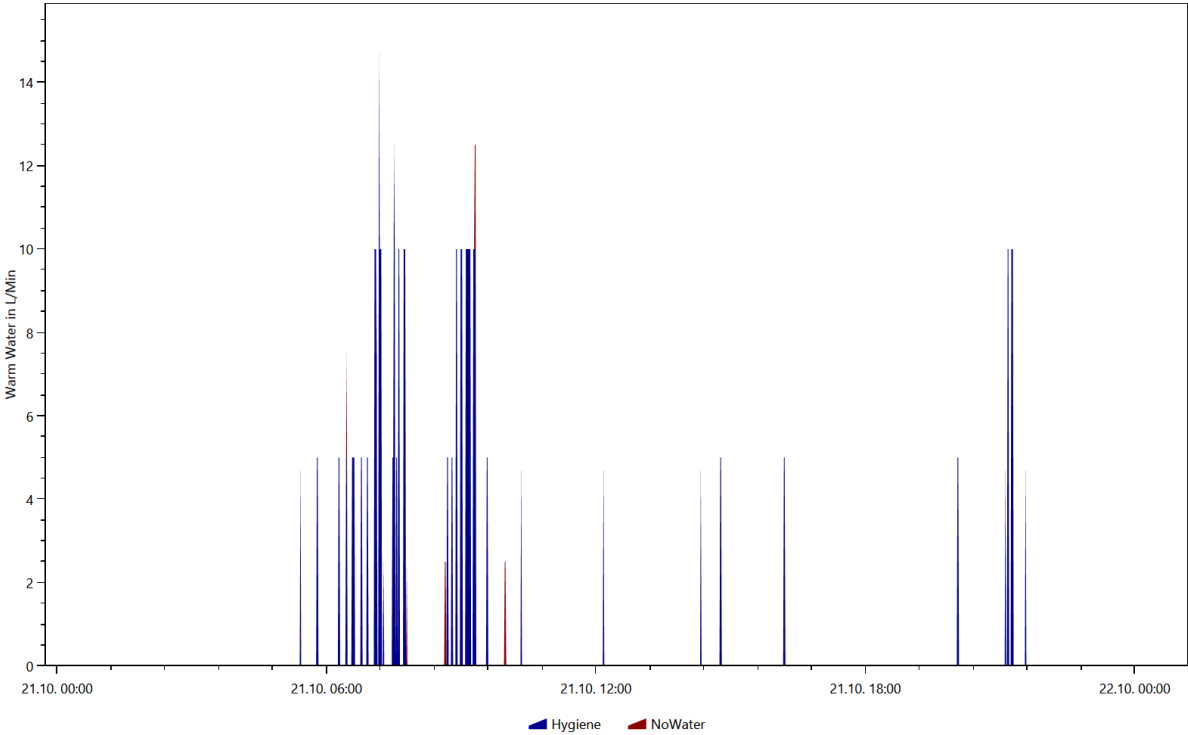
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.8.23



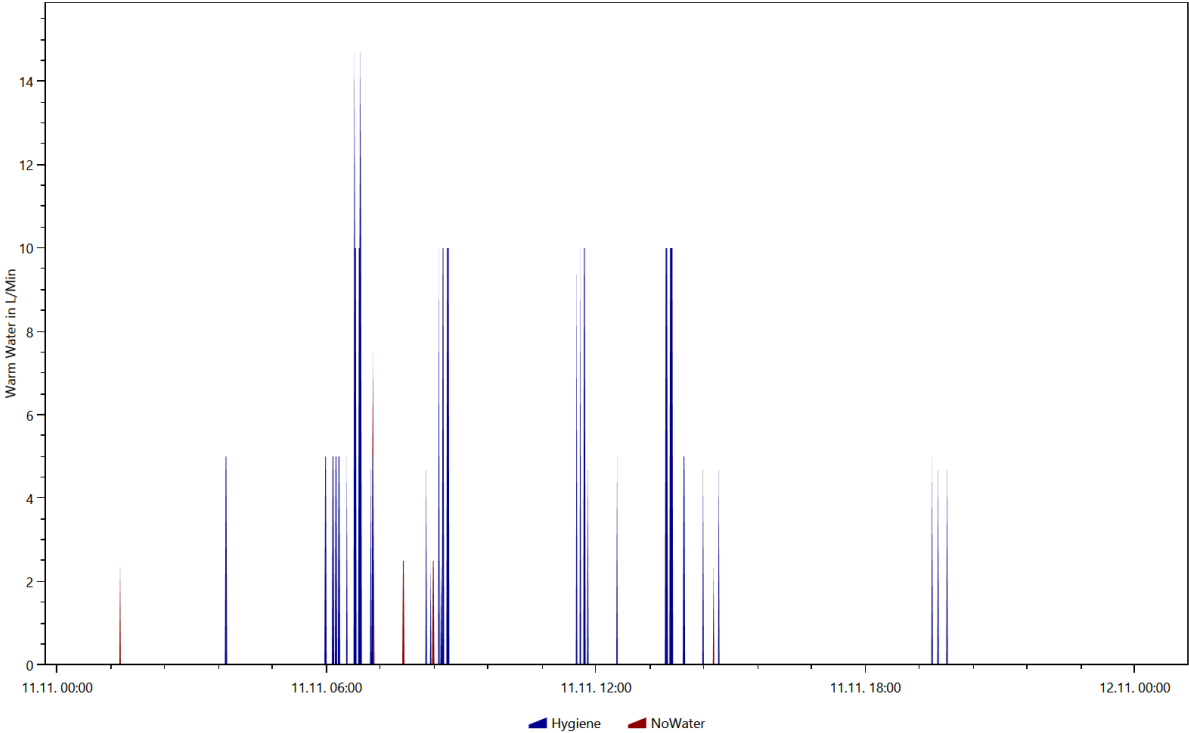
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.16



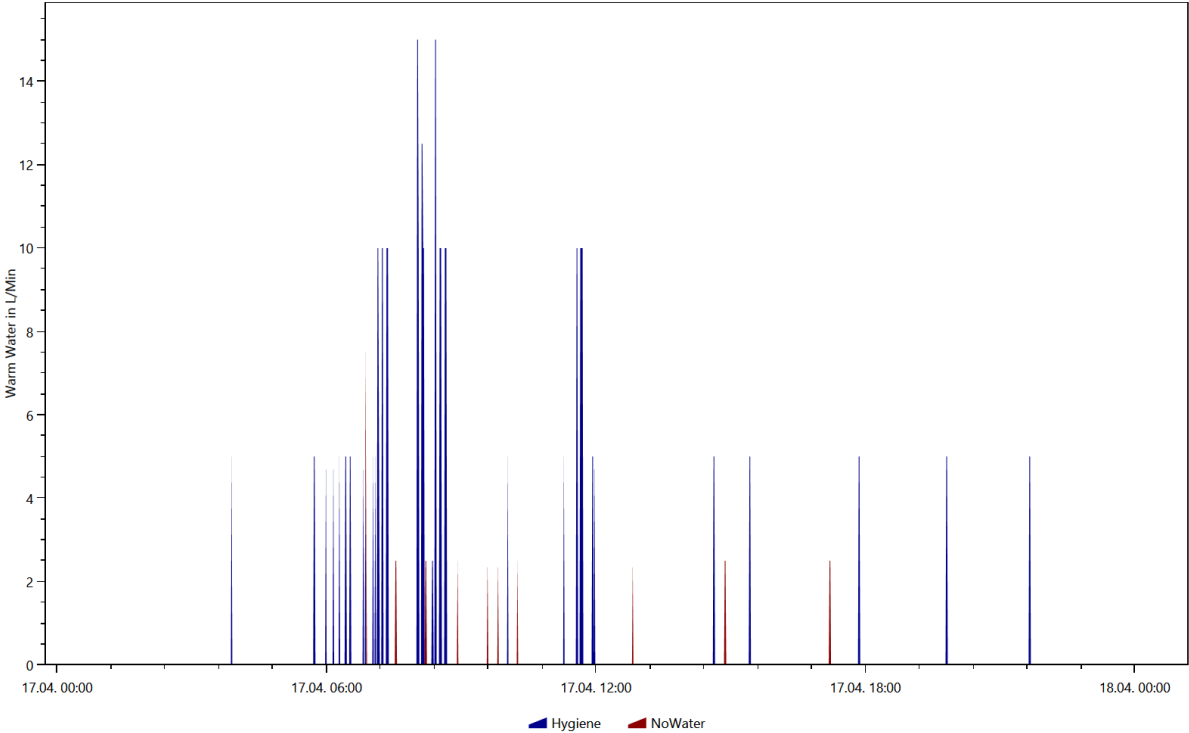
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.21



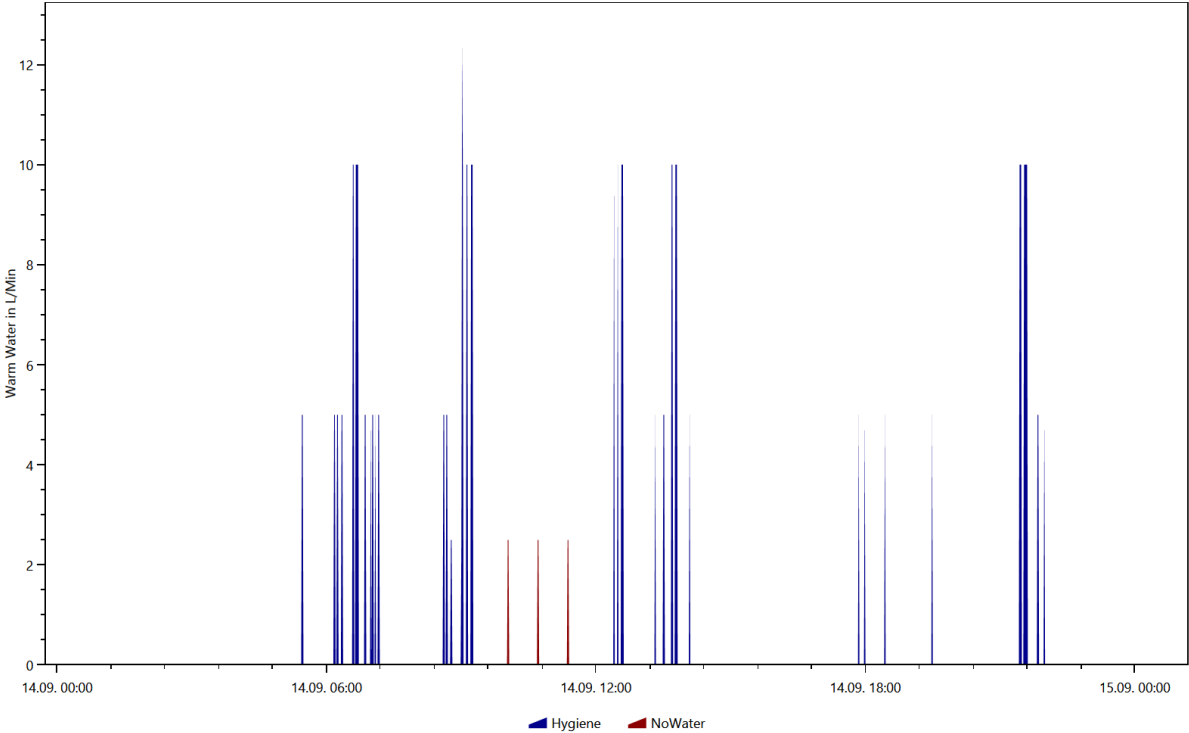
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.11



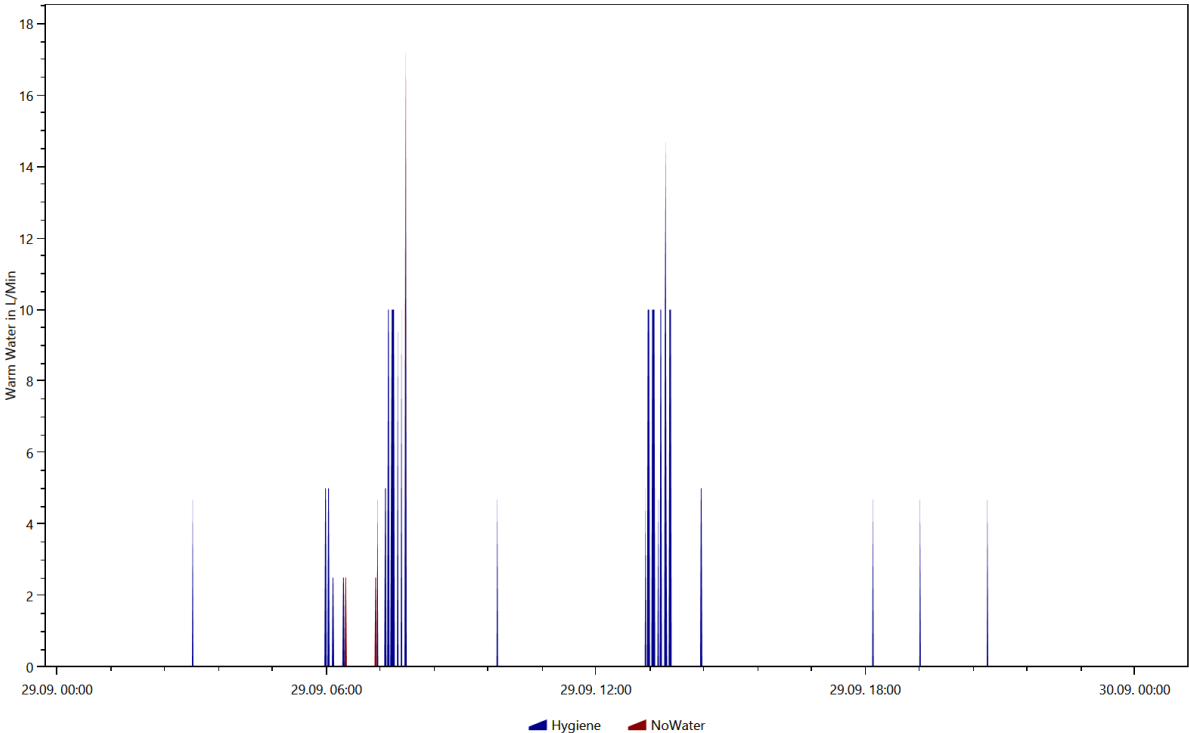
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.17



Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.14

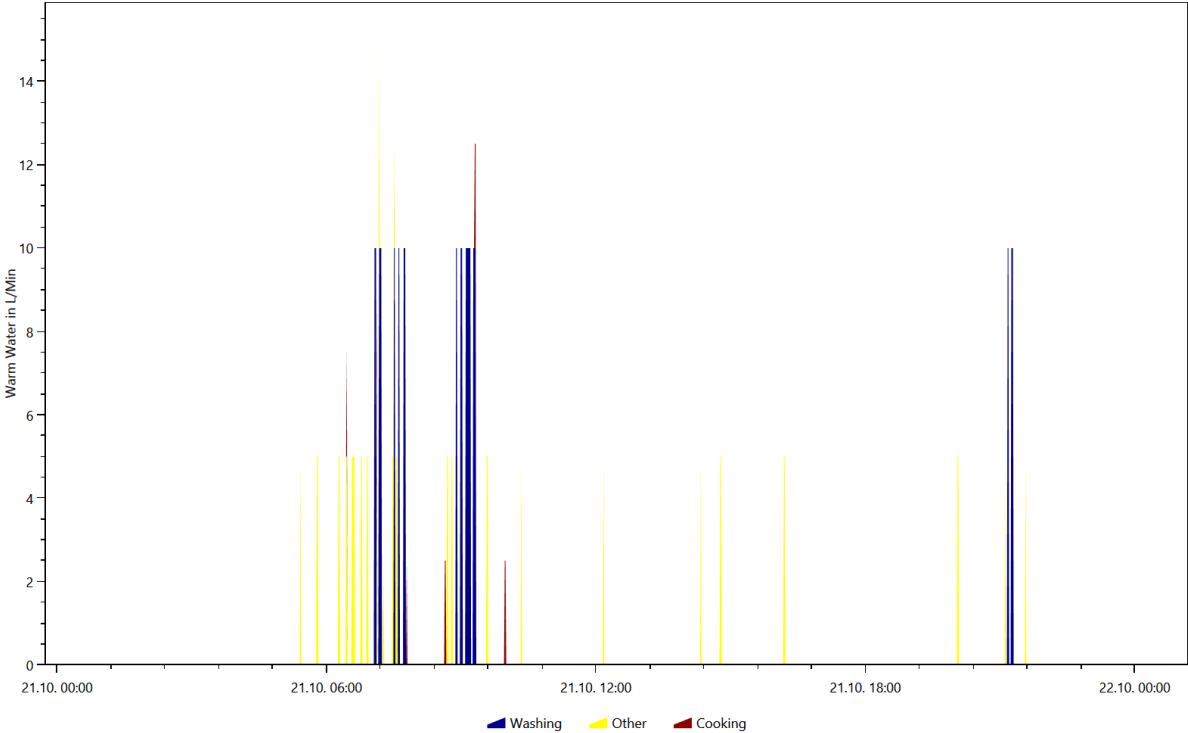


Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.29

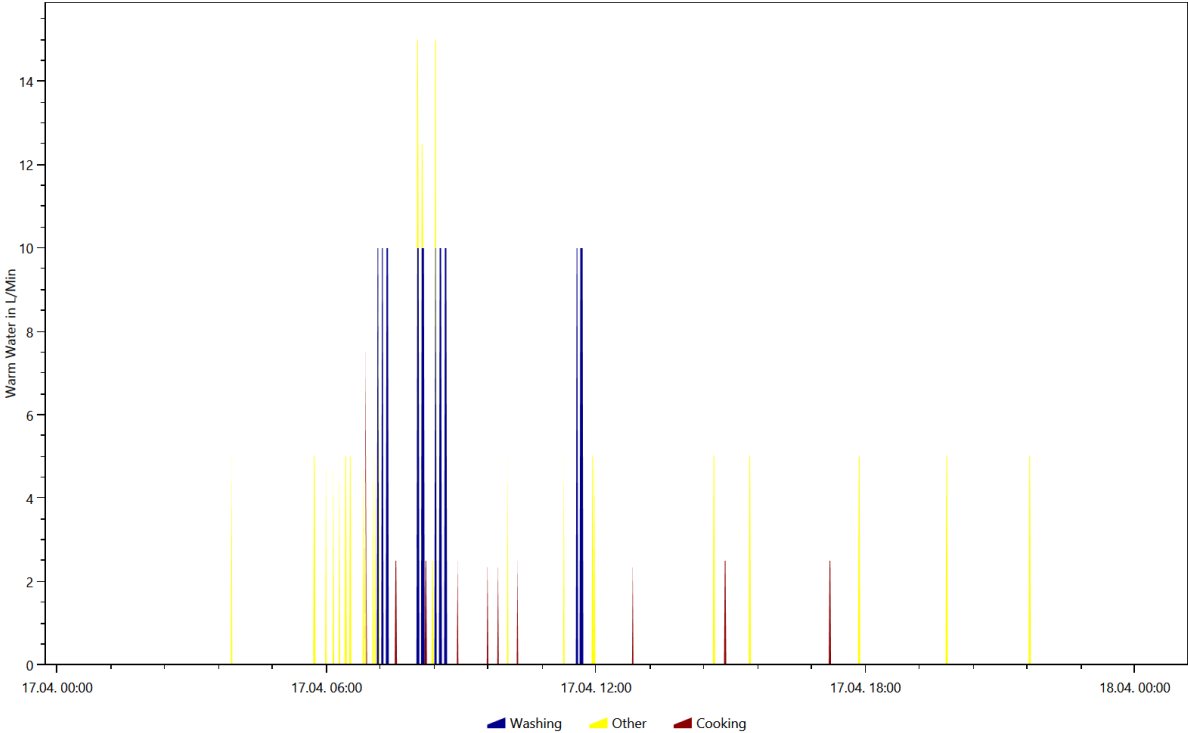




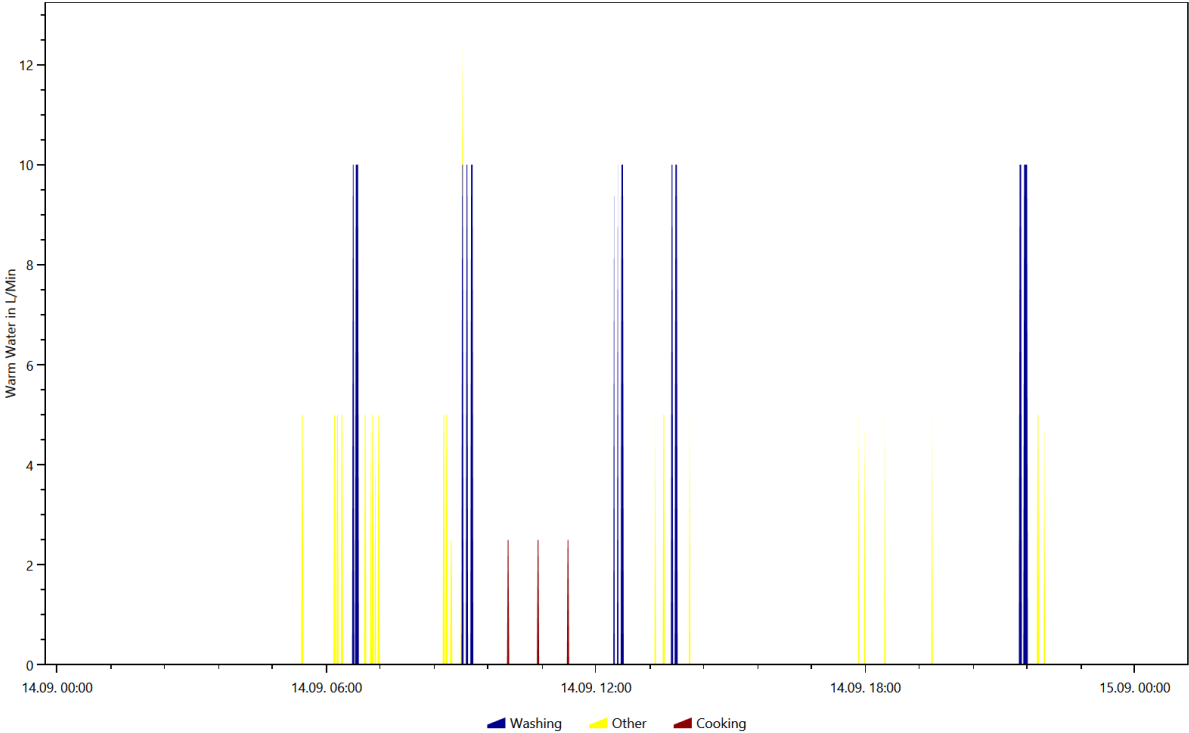
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.10.21



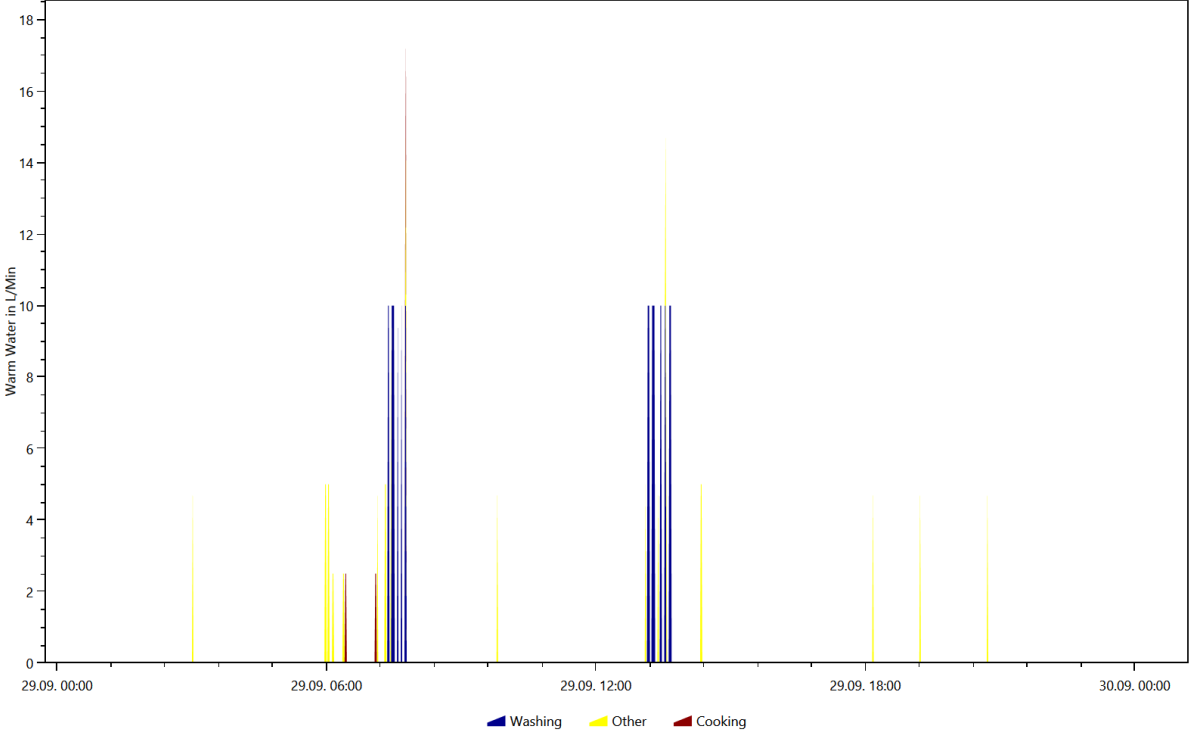
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.17



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.14



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.29

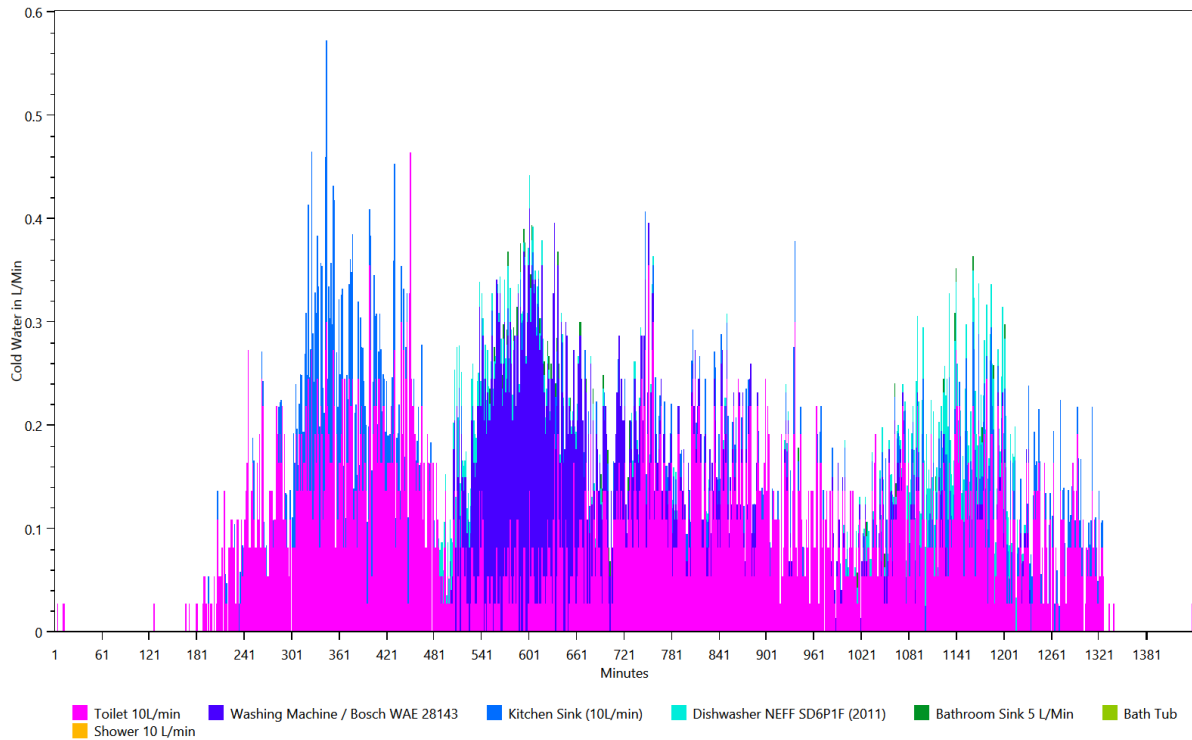


# Overview of the time and power of the use per load type per device

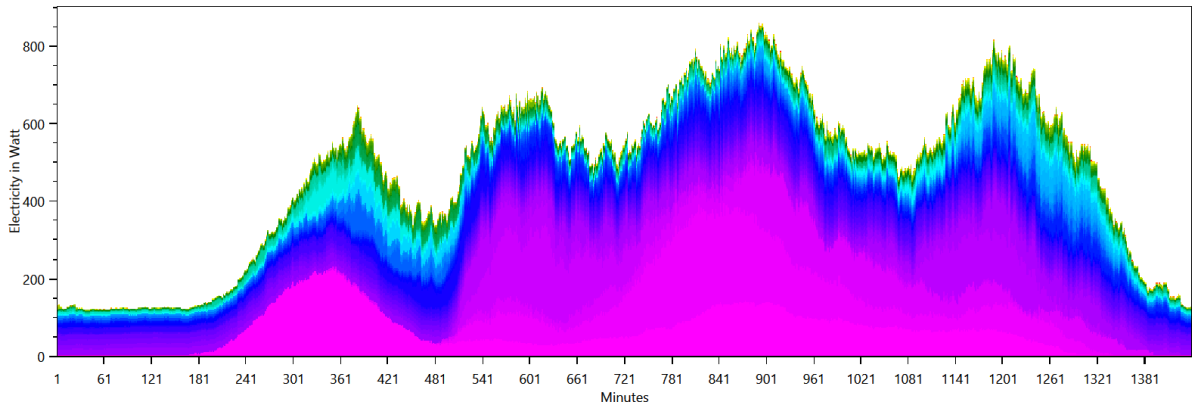
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

## Cold Water

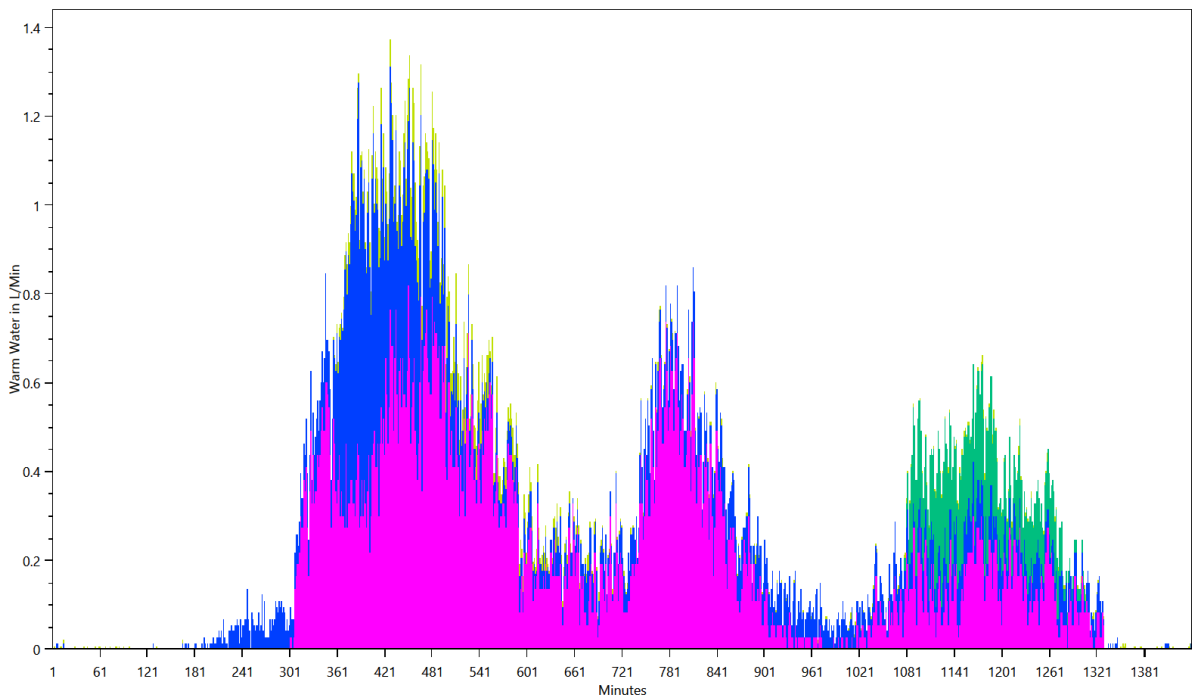


## Electricity



- Gaming Computer
- Miele DG 1450
- PC Monitor / Fujitsu Siemens Scaleoview D19-1
- Siemens KI 20 LA 65 (A+)
- Cordless Screwdriver / Bosch PSR 18 LI-2
- Christopheit Treadmill TM 2 Pro
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- SAT Receiver / Kathrein UFS913
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Canister vacuum cleaner / Siemens VS 06 G 1831
- CD/DVD Player / Philips DVDR 725 H
- Digitalpiano / Kawai CN-23
- Electric Razor Braun Cruzer 5
- Bedroom Light (20W)
- Skil 4270
- Eye Glass Cleaner Grundig UC 5020
- Canon CanoScan LIDE 110
- Dryer / Miele T 8626 WP
- Bauknecht GTE 260
- PC / Acer 8400
- Fax / Phillips Faxjet 525 Primo (IPF525)
- Toaster Salco MT 400
- Clatronic MS 3249 Milk Foamer
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Extractor Hood / Miele DA 429-4
- Nespresso Coffee Machine, Single Cup
- Bathroom Light (20W)
- Hand-held Circular Saw / Bosch PKS 46
- Handmixer / Phillips Robust HR 1581
- Westinghouse Fanaway
- AEG SB 2E 650 R
- Kitchen Machine Bosch UM4VE2B
- Steam Iron / Phillips GC 4410
- Microwave / Panasonic NN 5259
- Yamaha RX-V667
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Single Stove Plate
- Fax / Phillips Faxjet 525 Primo (IPF525)
- Fondue / Unold 48746 Asia
- Microsoft Xbox 360
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Kitchen radio / AEG KRC 4323 CD
- Juicer / Moulinex Vitafruit
- Children Room Light Device (20W)
- Polishing Machine / Flex L 602 VR
- Active Speaker Trust Tytan 2.1
- Food Slicer / DOMO Schneidemaschine DOS21S
- AEG SB 2E 650 R
- Immersion Blender Noah Hit Top
- Washing Machine / Bosch WAE 28143
- Samsung CLP-315W
- Electronic Hometrainer / Kettler Satura E
- Electric Kettle / Petra WK288 1.5L
- Steam Cooker / Phillips HD9140
- Living Room Light (Energy Saving Lamp, 20W)
- TFT Monitor Samsung S27C750P
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Juicer / Moulinex Vitafruit
- Children Room Light Device (20W)
- Polishing Machine / Flex L 602 VR
- External Harddrive Iomega 3.5"
- Dishwasher NEFF SD6P1F (2011)
- Router O2 Box 6431
- TASKalfa 180
- Hair Dryer Braun Silencio 1250
- Laptop Sony Vaio SVE151G11M
- Phone Siemens Gigaset C320
- Steam Cooker / Phillips HD9140
- TV Medion MD20123\_DE\_A
- Ricecooker / Tristar RK-6112
- Nintendo Wii
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Cell Phone Samsung Charging
- External Harddrive Iomega 3.5"
- Bathroom Mirror Light 10 W (LED)
- Electric Toothbrush Dondodont Professional Clean
- Energy Saving Lamp / EL-REF 11 E27
- Lamp Ikea V1017 Jansjo

## Warm Water



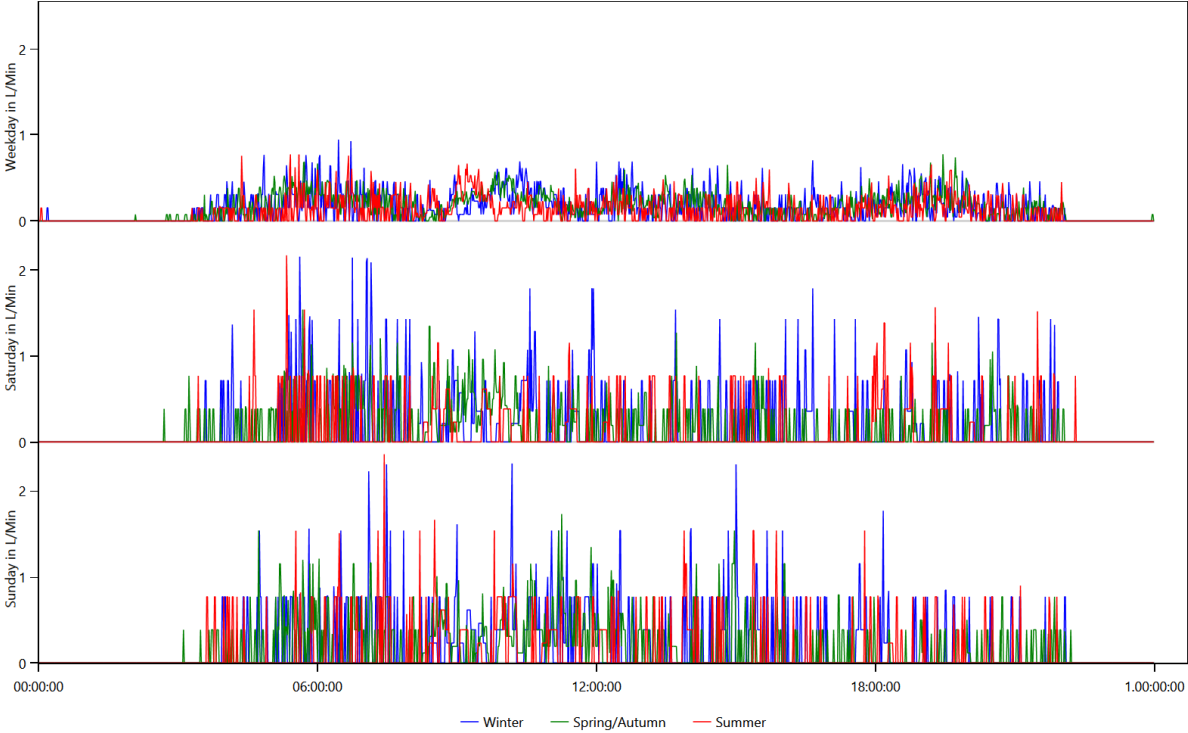
- Shower 10 L/min
- Bathroom Sink 5 L/Min
- Bath Tub
- Kitchen Sink (10L/min)

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

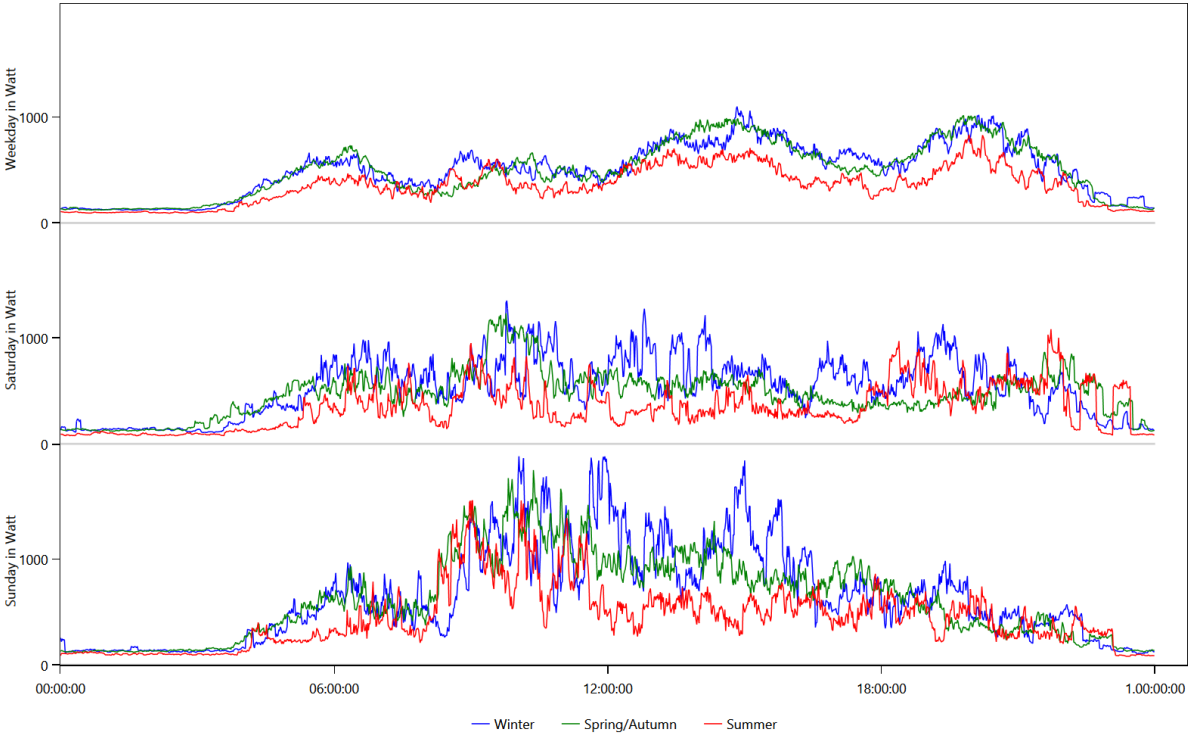
This is made from the files starting with: WeekdayProfiles

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

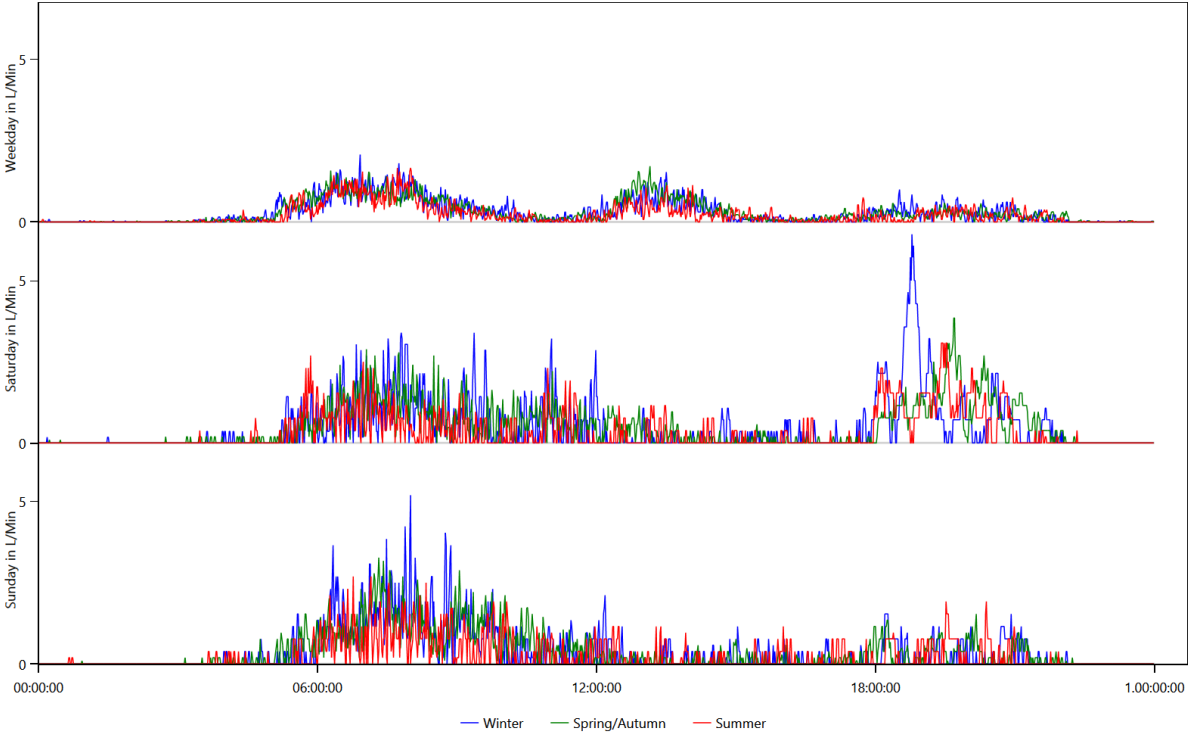
## Cold Water



# Electricity



# Warm Water

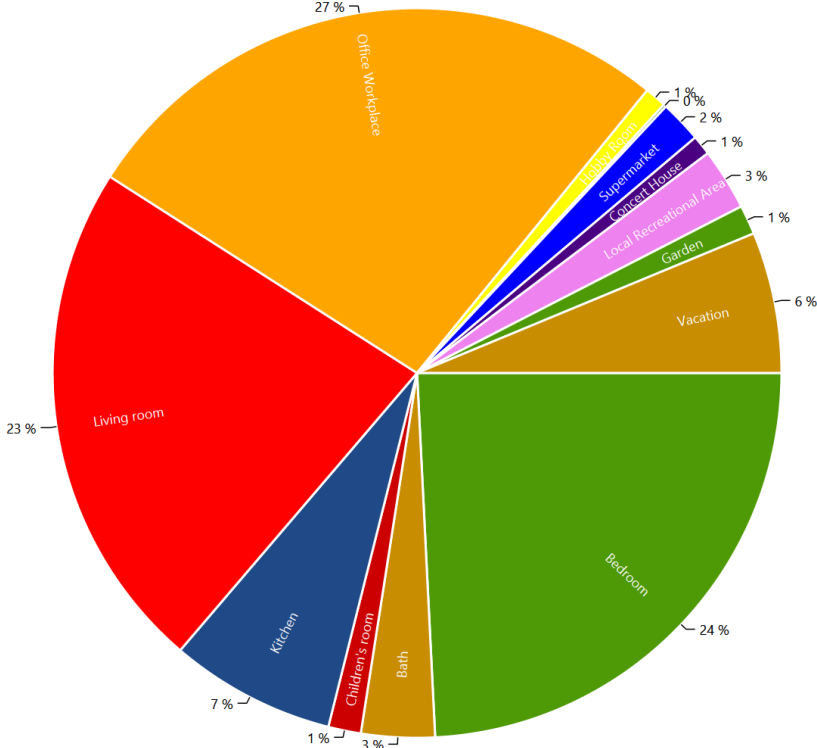


# Location Distribution per Person

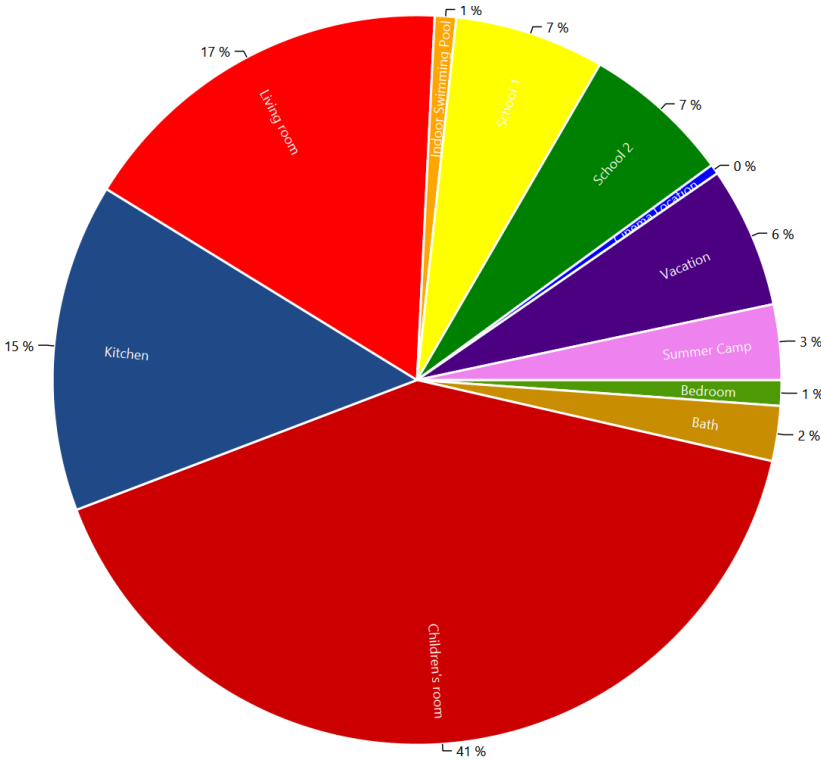
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

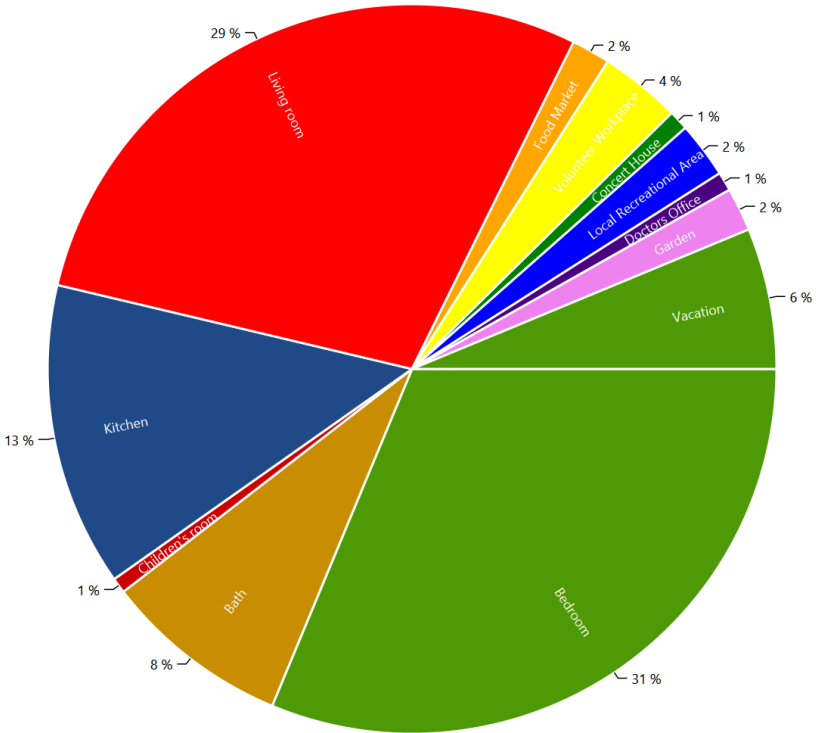
CHR56 Andreas (50 Male)



CHR56 Anton (16 Male)

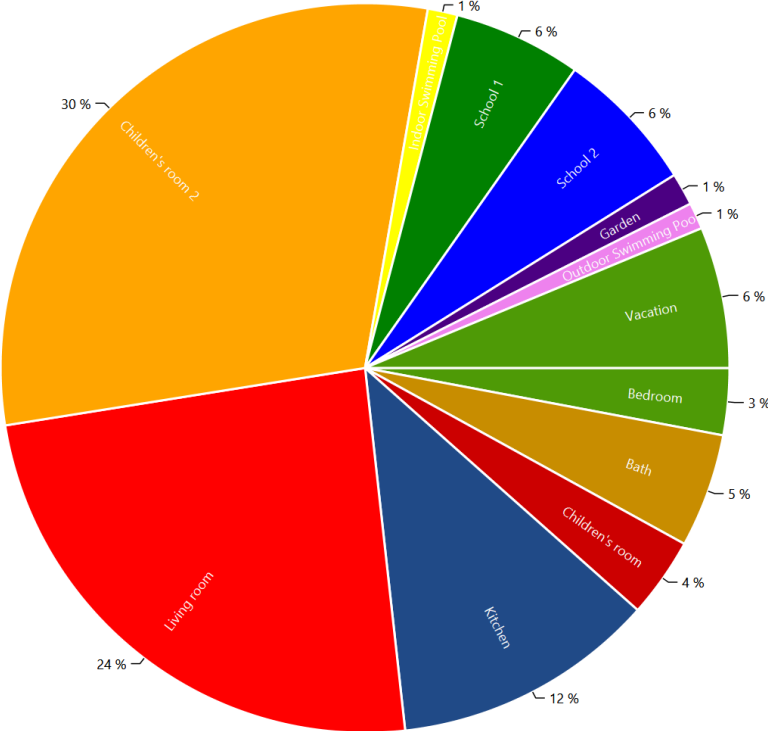


CHR56 Sabine (45 Female)





CHR56 Sandi (14 Female)



# 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

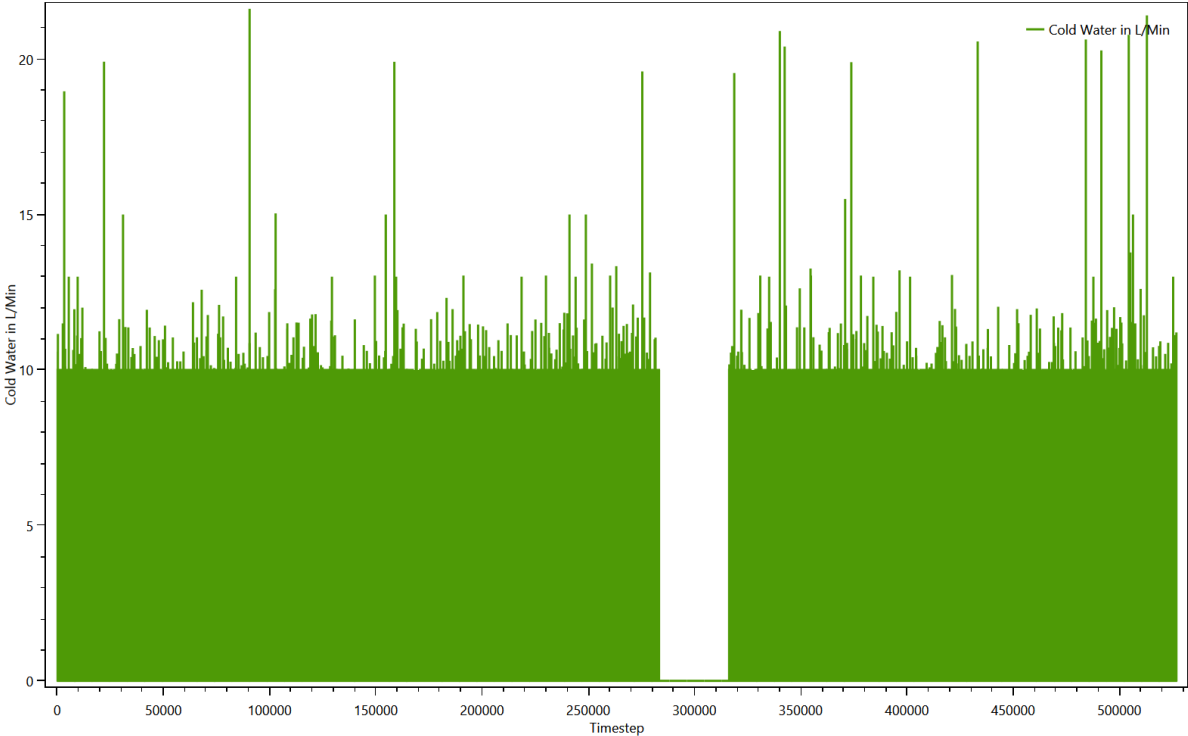
```
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHR56 Andreas (50/Male);sleep bed 01 (06 h);sleep;False;
0;01.01.2016 00:00;CHR56 Anton (16/Male);sleep bed 03 (08 h) Child;sleep;False;
0;01.01.2016 00:00;CHR56 Sabine (45/Female);sleep bed 02 (08 h);sleep;False;
0;01.01.2016 00:00;CHR56 Sandi (14/Female);sleep bed 04 (10 h) Child;sleep;False;
204;01.01.2016 03:24;CHR56 Anton (16/Male);go to the toilet;hygiene;False;
210;01.01.2016 03:30;CHR56 Anton (16/Male);do computer programming (2 h);Active Entertainment
(Computer, Internet etc);False;
297;01.01.2016 04:57;CHR56 Andreas (50/Male);cook coffee;cooking;False;
309;01.01.2016 05:09;CHR56 Andreas (50/Male);take a shower (men);hygiene;False;
315;01.01.2016 05:15;CHR56 Sandi (14/Female);use the computer (1.5 h);Active Entertainment (Computer,
Internet etc);False;
319;01.01.2016 05:19;CHR56 Anton (16/Male);cook food with rice and eat it;cooking;False;
320;01.01.2016 05:20;CHR56 Sandi (14/Female);eat a cooked meal (interrupting) (cook food with rice and eat
it);cooking;False;
330;01.01.2016 05:30;CHR56 Andreas (50/Male);eat a cooked meal (interrupting) (cook food with rice and eat
it);cooking;False;
388;01.01.2016 06:28;CHR56 Andreas (50/Male);go to the toilet;hygiene;False;
388;01.01.2016 06:28;CHR56 Anton (16/Male);get ready in the morning (men);hygiene;False;
388;01.01.2016 06:28;CHR56 Sandi (14/Female);use the computer (1.5 h);Active Entertainment (Computer,
Internet etc);False;
393;01.01.2016 06:33;CHR56 Andreas (50/Male);use the laptop (1 h);Active Entertainment (Computer, Internet
etc);False;
398;01.01.2016 06:38;CHR56 Anton (16/Male);eat breakfast (1 h);cooking;False;
415;01.01.2016 06:55;CHR56 Sandi (14/Female);get ready in the morning (children);hygiene;False;
424;01.01.2016 07:04;CHR56 Sabine (45/Female);get ready in the morning (women);hygiene;False;
```

# Sum Profiles

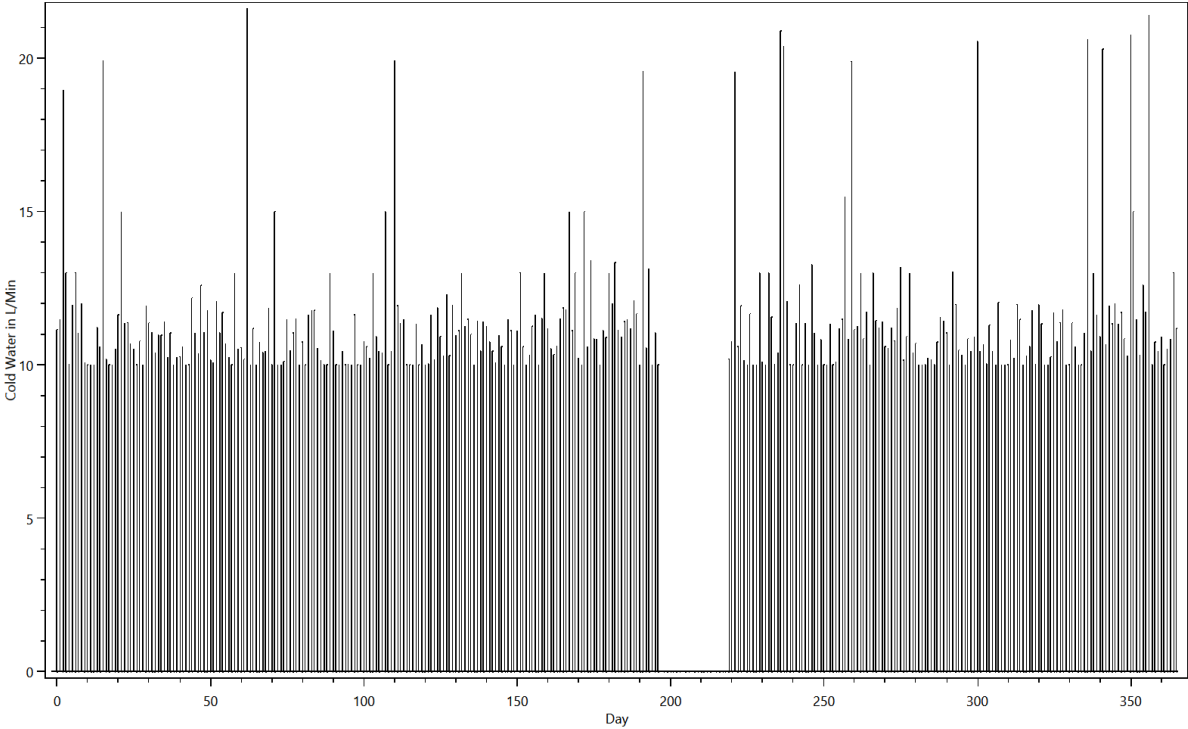
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

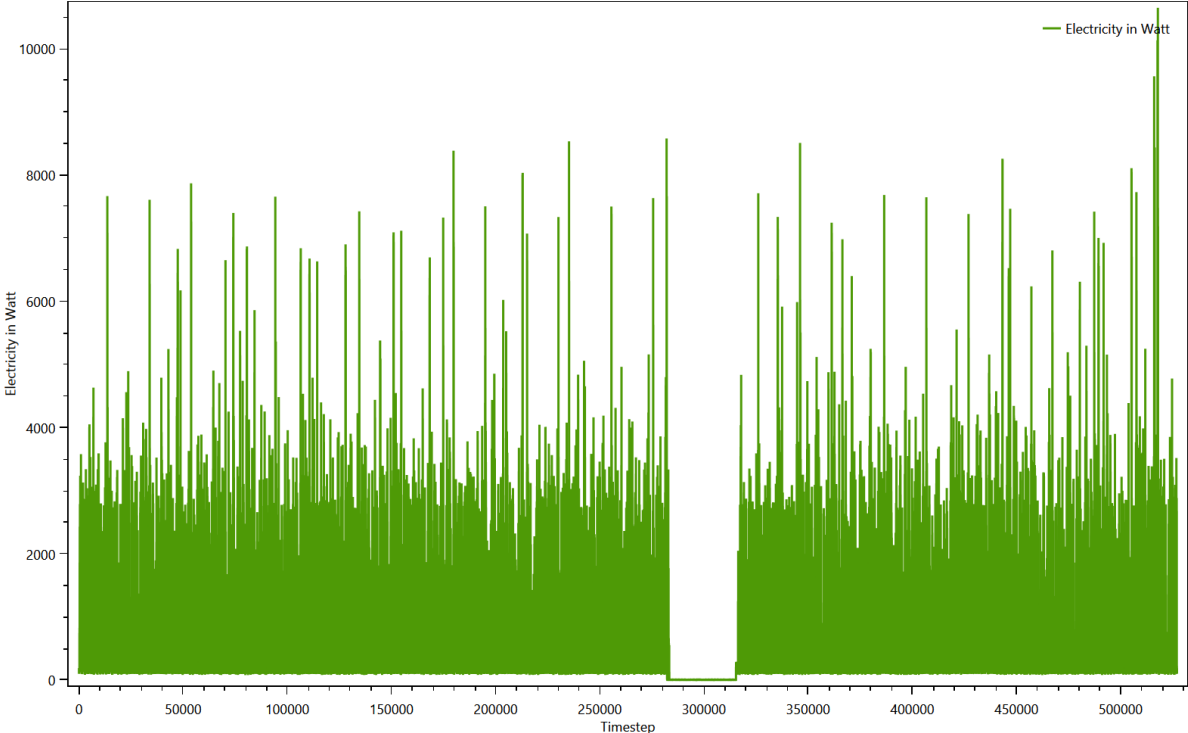
Summed up curve for Cold Water from SumProfiles.Cold Water.png



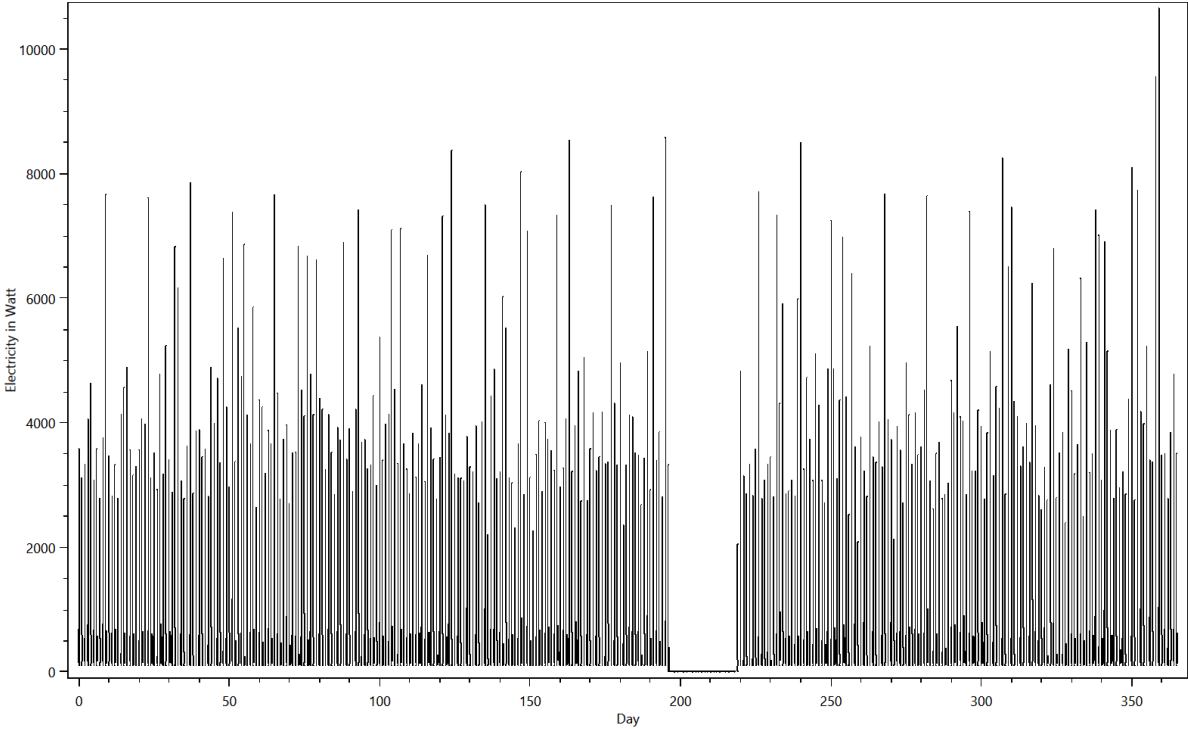
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



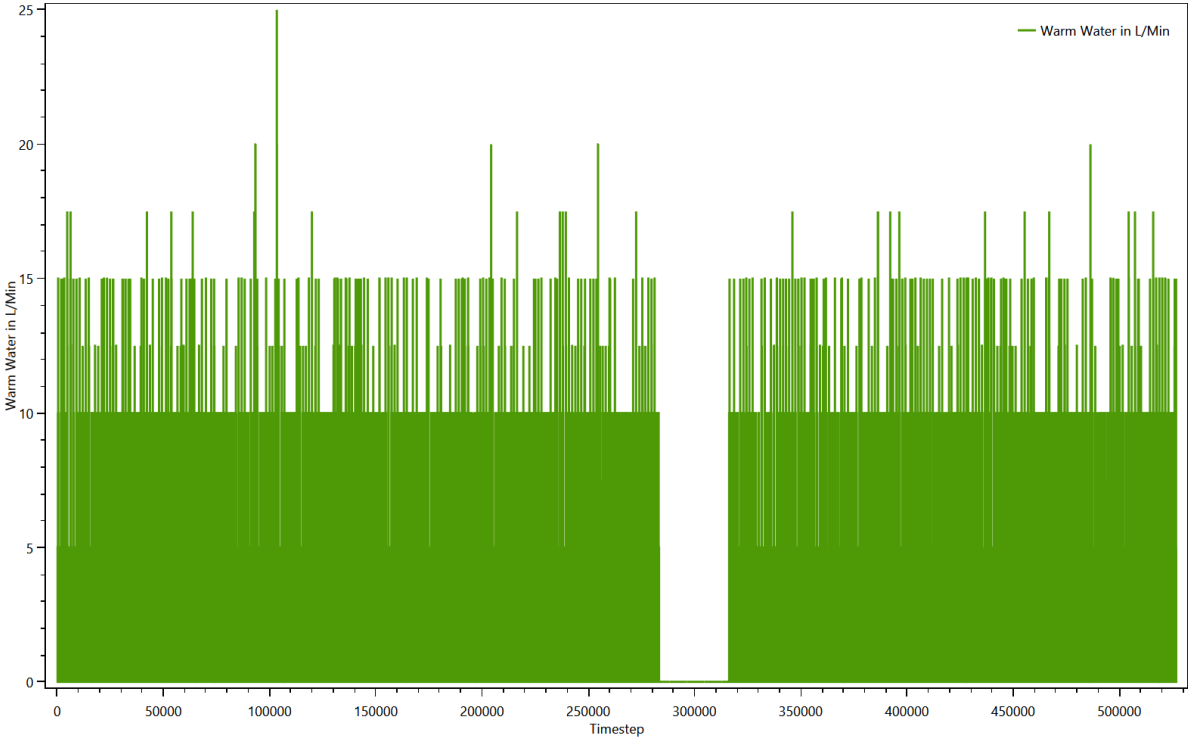
Summed up curve for Electricity from SumProfiles.Electricity.png



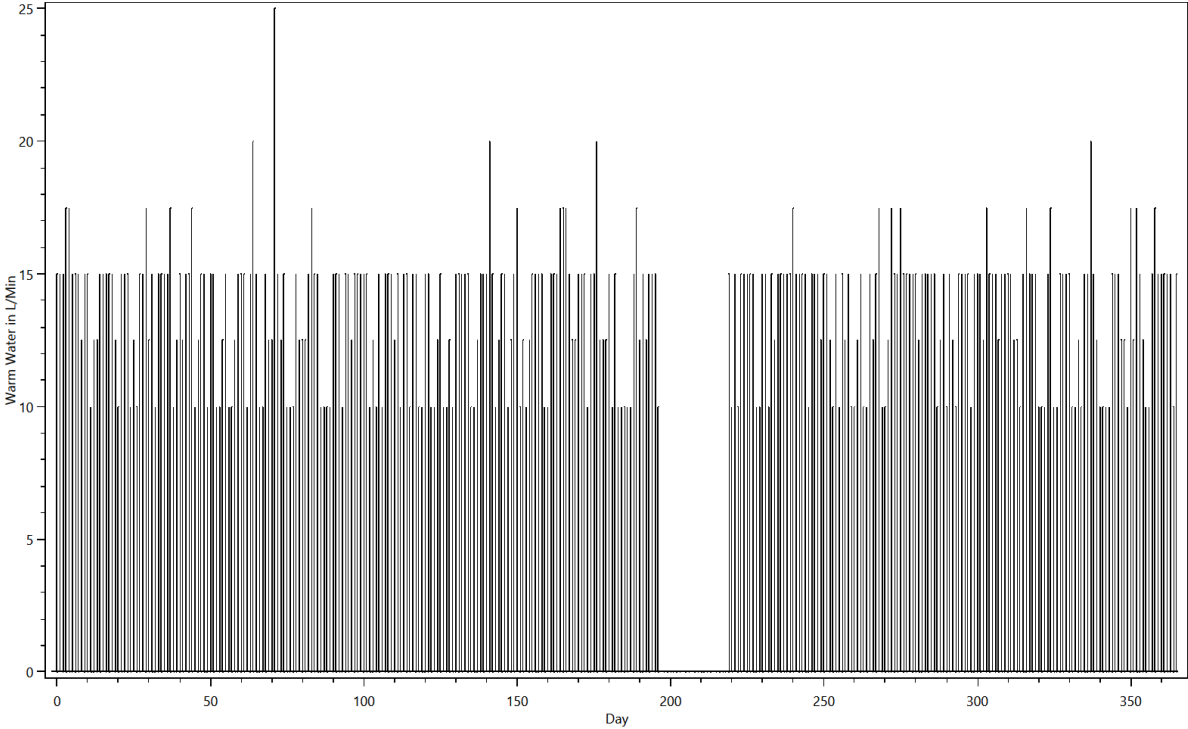
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



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.CHR56 Couple with 2 children, husband at work 0.txt

Device;Load Type;Profile;Number of Activations

AEG PN 2200 RX 4935365097;Electricity;0 h 03 min 100% [Synthetic];23

AEG PN 2200 RX 4935365097;Electricity;0 h 05 min 100% [Synthetic];84

AEG SB 2E 650 R;Electricity;0 h 03 min 100% [Synthetic];23

AFK BM-2N;Electricity;Backing profile IV Bread 45 min [Synthetic];45

Active Speaker Trust Tytan 2.1;Electricity;Profile for Active Speaker Trust Tytan 2.1 1.5h Electricity [Measurement by ZSW (1min)];29

Active Speaker Trust Tytan 2.1;Electricity;Profile for Active Speaker Trust Tytan 2.1 2h Electricity [Measurement by ZSW (1min)];36

Active Speaker Trust Tytan 2.1;Electricity;Standby Generic 1h 0 min 10% [Synthetic];8235

Bath Tub;Warm Water;0 h 15 min 100% [Synthetic];37

Bath Tub;Warm Water;0 h 20 min 100% [Synthetic];38

Bathroom Light (20W);Electricity;Bath - light [Synthetic for Light Device];1744

Bathroom Mirror Light 10 W (LED);Electricity;Bath - light [Synthetic for Light Device];1744

Bathroom Sink 5 L/Min;Cold Water;0 h 01 min 100% [Synthetic];60

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 100% [Synthetic];6353

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 50% [Synthetic];686

Bathroom Sink 5 L/Min;Warm Water;0 h 05 min 100% [Synthetic];20

Bauknecht GTE 260;Electricity;0 h 01 min 100% [Synthetic];73

Bauknecht GTE 260;Electricity;05 h 0 min Fridge, 1h 100%, 4h 0% [Synthetic];1657

Bed 1;None;06 h 0 min 100% [Synthetic];346

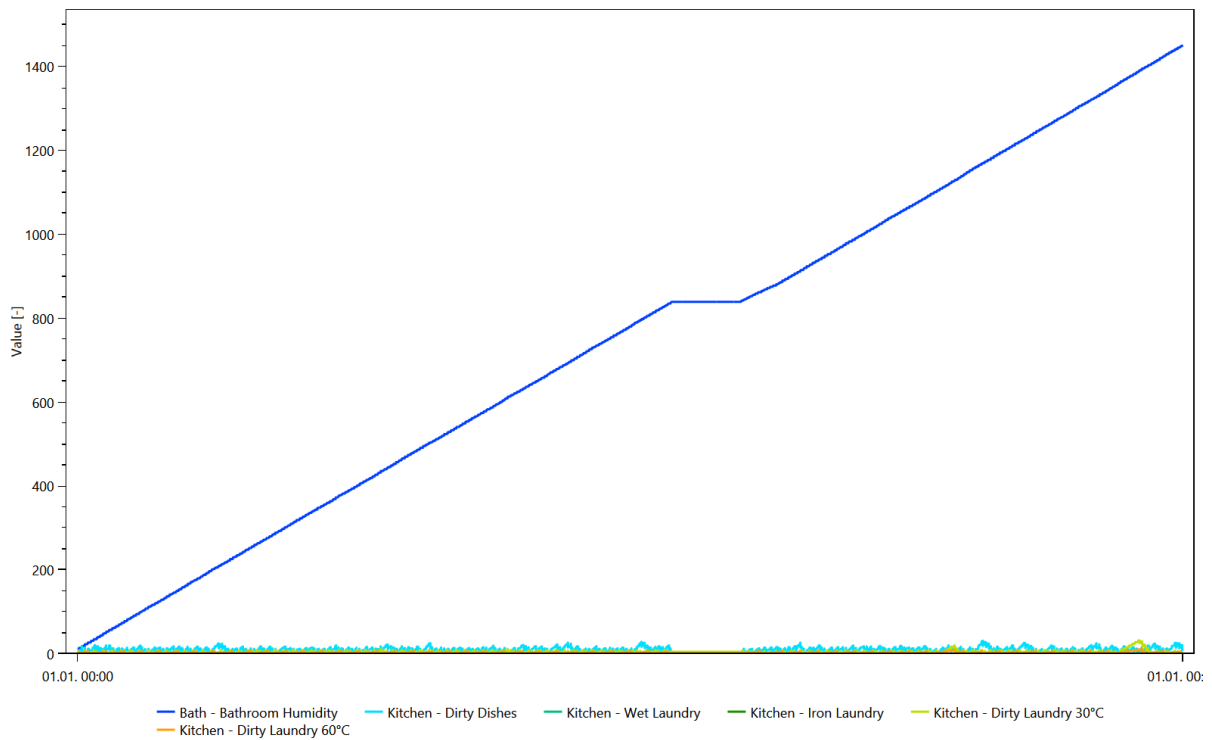
Bed 2;None;08 h 0 min 100% [Synthetic];346

# 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

