

## Overview of the results of the household CHS01 Couple with 2 Children, Dad Employed 0

Calculation Time

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

Energy Intensity: EnergySaving

Seed 6022

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:40:49

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## Totals

### Totals for each Loadtype

Load Type	Value	Unit
Cold Water	70162.75	L
Electricity	3223.84	kWh
Warm Water	169017.50	L

### Totals for each Loadtype per Day

Load Type	Value	Unit
Cold Water	191.70	L
Electricity	8.81	kWh
Warm Water	461.80	L

### Minimum and Maximum for each Loadtype

Household	Minimum	Maximum	Unit
Cold Water	0.00	20.55	L/Min
Electricity	0.00	10611.10	Watt
Warm Water	0.00	20.00	L/Min

### Totals for each Loadtype per Person

Load Type	Value	Unit
Cold Water	17540.69	L
Electricity	805.96	kWh

Warm Water	42254.38	L
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### Totals for each Loadtype per Person per Day

Load Type	Value	Unit
Cold Water	47.93	L
Electricity	2.20	kWh
Warm Water	115.45	L

## Persons

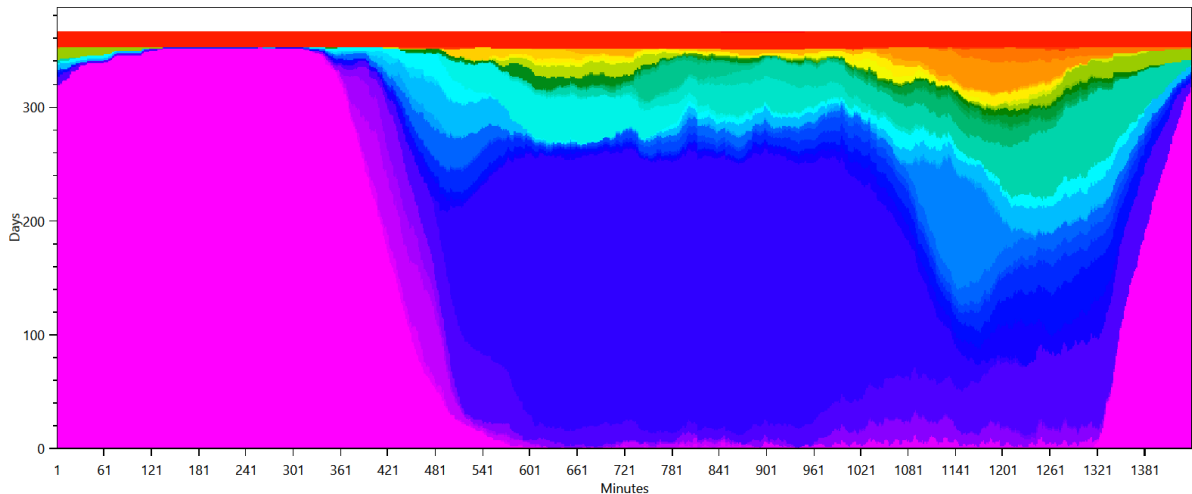
- HH0
  - CHS01 Egon (45/Male)(45/Male)
  - CHS01 Hella (40/Female)(40/Female)
  - CHS01 Justus (15/Male)(15/Male)
  - CHS01 Lucia (11/Female)(11/Female)

# Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

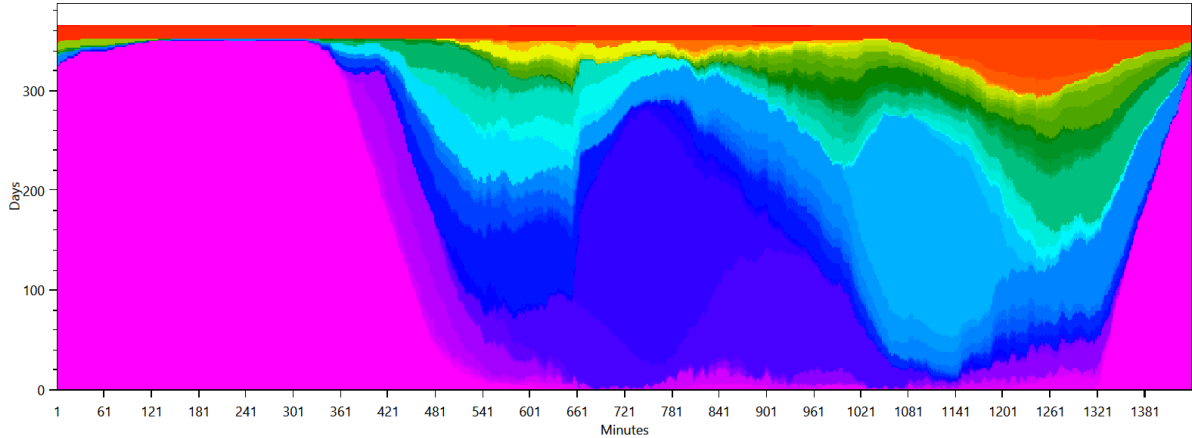
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHS01 Egon (45 Male)



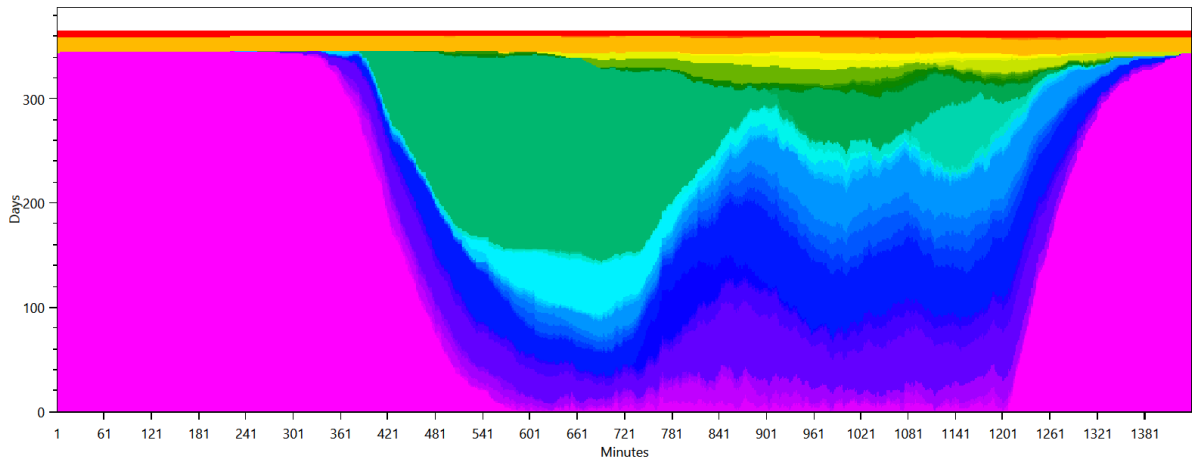
- sleep bed 08 (08 h)
- go to the toilet
- eat small breakfast (25min) interrupting subaff, no alarm
- get ready in the morning (men)
- take a shower (men)
- watch TV with someone (watch TV (1 h))
- use the laptop for Internet, Movie, Music, News (2 h)
- work at the office from 8:00 (9 h)
- read a newspaper for 30min
- read a book on the couch all the time
- watch sports on TV with SAT Receiver (2 h)
- do it yourself house fixing and building
- watch a movie for 1 h 30 min
- eat a cooked meal (interrupting) (cook for the family after 16:30)
- watch the news
- watch a movie for 2 h
- shovel snow
- watch TV (1 h)
- make and eat sunday morning brunch (4 h)
- go sunday walk with subaffordance (2 h)
- read a book on the couch only 9:00 to 22:00
- eat a cooked meal (interrupting) (cook lunch for the family every day with 2 plates)
- invite friends for coffee
- watch TV with someone (watch a movie for 1 h 30 min)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- wash the car saturday (1 h)
- watch TV with someone (watch a movie for 2 h)
- make and drink tea (15 min)
- take a nap
- take nap on the weekend (2 h)
- read a magazine
- go to a bar (4 h)
- eat a cooked meal (interrupting) (make and eat sunday morning brunch (4 h))
- read a book (1 h)
- water the garden outside
- relax in the garden 2
- mow the lawn on saturday above 15°C
- relax in the garden
- grill food and eat it (3 h)
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
- watch TV with someone (watch the news)
- watch TV with someone (iron and watch TV with Sat Receiver (1 h))
- taking a vacation
- join someone for a sunday walk (go sunday walk with subaffordance (2 h))

## HH0 - CHS01 Hella (40 Female)



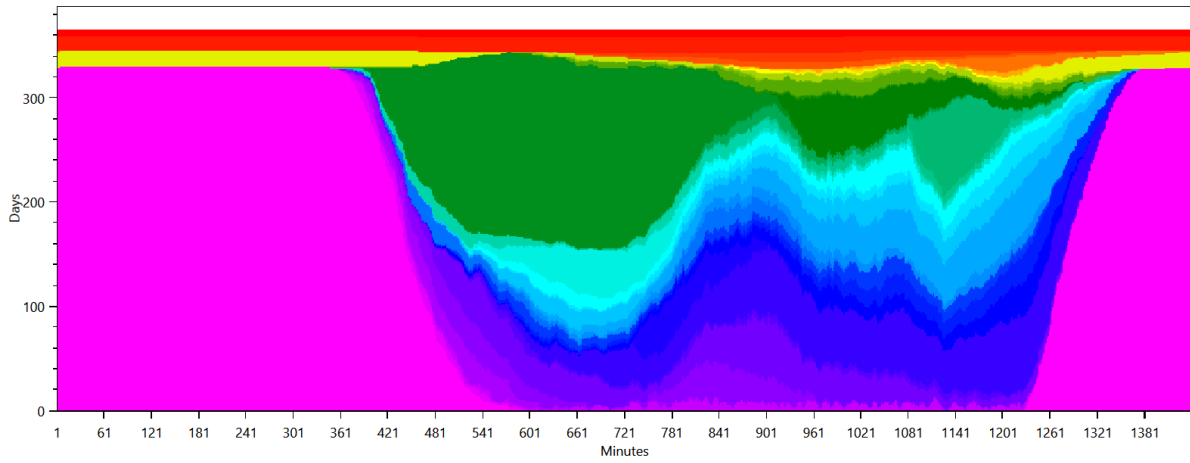
- sleep bed 02 (08 h)
- watch TV (1 h)
- go to the toilet
- get ready in the morning (women)
- eat small breakfast (25min) interrupting subaff, no alarm
- read a newspaper for 30min
- read a book (1 h)
- do laundry at 30°C (by variable)
- sewing cloths
- cook lunch for the family every day with 2 plates
- run the dryer with wet laundry, only below 15°C (by variable)
- run the dishwasher (triggered)
- practice generic music instrument (1 h)
- watch sports on TV with SAT Reciever (2 h)
- take a shower with hair washing (women) (20 min hair drying)
- clean the bath
- iron and watch TV with Sat Reciever (1 h)
- use the laptop for Internet, Movie, Music, News (2 h)
- go shopping (4 h)
- cook for the family after 16:30
- take a bath (150L)
- take a shower without hair washing (women)
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (make and eat sunday morning brunch (4 h))
- take a bath (200L)
- go shopping for food in the supermarket (1.5 h)
- do laundry at 60°C (by variable)
- iron Clothes
- read a book on the couch only 9:00 to 22:00
- take a shower with hair washing (women) (5 min hair drying)
- watch TV with someone (watch a movie for 1 h 30 min)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- read a book on the couch all the time
- watch the news
- invite friends for coffee
- join someone for a sunday walk (go sunday walk with subaffordance (2 h))
- watch TV with someone (watch TV (1 h))
- watch a movie for 2 h
- watch a movie for 1 h 30 min
- clean the windows
- go to a bar (4 h)
- go sunday walk with subaffordance (2 h)
- practice with a musical society
- vacuum the household
- make and eat sunday morning brunch (4 h)
- make and drink tea (15 min)
- join shopping (go shopping (4 h))
- watch TV with someone (watch the news)
- water the garden outside
- take a nap
- read a magazine
- hang up laundry outside only above 15°C (by variable)
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
- grill food and eat it (3 h)
- taking a vacation
- joining a trip to a bar for 4h (go to a bar (4 h))
- cook for Christmas with Baking (5 h)

## HH0 - CHS01 Justus (15 Male)



- sleep bed 04 (10 h) Child After Dark
- go to the toilet
- take a shower (men)
- read a book on the couch all the time
- get ready in the morning (men)
- play computer games
- play with smartphone (1 h)
- watch a movie for 2 h
- eat a cooked meal (interrupting) (cook lunch for the family every day with 2 plates)
- use the laptop for Internet, Movie, Music, News (2 h)
- go swimming in an indoor swimming pool (2 h)
- play Xbox (1 h)
- play Wii
- read a book on the couch only 9:00 to 22:00
- watch a movie for 1 h 30 min
- play with smartphone 30 min
- eat a cooked meal (interrupting) (make and eat sunday morning brunch (4 h))
- join someone for a sunday walk (go sunday walk with subaffordance (2 h))
- watch sports on TV with SAT Reciever (2 h)
- eat a cooked meal (interrupting) (cook for the family after 16:30)
- join swimming in an indoor swimming pool for 2h (go swimming in an indoor swimming pool (2 h))
- go to school (considers vacations)
- do homework
- join shopping (go shopping (4 h))
- watch TV with someone (watch a movie for 2 h)
- watch TV (1 h)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- read a book (1 h)
- go shopping (4 h)
- watch TV with someone (watch a movie for 1 h 30 min)
- watch TV with someone (iron and watch TV with Sat Reciever (1 h))
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
- go swimming in the outdoor swimming pool (6 h)
- join swimming in the outdoor swimming pool (go swimming in the outdoor swimming pool (6 h))
- watch TV with someone (watch TV (1 h))
- taking a vacation
- make and drink tea (15 min)
- read a newspaper for 30min
- take a nap
- read a magazine
- take nap on the weekend (2 h)
- go to summer camp for one week

## HH0 - CHS01 Lucia (11 Female)



- sleep bed 05 (10 h) Child
 ■ get ready in the morning (children)
 ■ go to the toilet
 ■ eat small breakfast (25min) interrupting subaff, no alarm
- take a shower without hair washing (women)
 ■ practice generic music instrument (1 h)
 ■ play with toys 30min
 ■ use the laptop for Internet, Movie, Music, News (2 h)
- eat a cooked meal (interrupting) (cook lunch for the family every day with 2 plates)
 ■ play with smartphone (1 h)
 ■ read a book on the couch all the time
- play with toys (1 h)
 ■ watch TV with someone (iron and watch TV with Sat Receiver (1 h))
 ■ take a shower with hair washing (women) (5 min hair drying)
- play with smartphone 30 min
 ■ read a book on the couch only 9:00 to 22:00
 ■ play with toys (2 h)
 ■ go swimming in an indoor swimming pool (2 h)
- play with toys (1.5 h)
 ■ eat a cooked meal (interrupting) (make and eat sunday morning brunch (4 h))
 ■ watch TV (1 h)
- take a shower with hair washing (women) (20 min hair drying)
 ■ watch sports on TV with SAT Receiver (2 h)
- eat a cooked meal (interrupting) (cook for the family after 16:30)
 ■ join someone for a sunday walk (go sunday walk with subaffordance (2 h))
 ■ read a book (1 h)
- go to school (considers vacations)
 ■ do homework
 ■ watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- join swimming in an indoor swimming pool for 2h (go swimming in an indoor swimming pool (2 h))
 ■ watch a movie for 2 h
 ■ watch TV with someone (watch TV (1 h))
- make and drink tea (15 min)
 ■ watch a movie for 1 h 30 min
 ■ take a nap
 ■ sleep bed 05 (12 h) Child
 ■ read a magazine
 ■ take nap on the weekend (2 h)
- watch TV with someone (watch a movie for 2 h)
 ■ watch TV with someone (watch a movie for 1 h 30 min)
 ■ eat icecream from from freezer
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
 ■ join swimming in the outdoor swimming pool (go swimming in the outdoor swimming pool (6 h))
- go swimming in the outdoor swimming pool (6 h)
 ■ taking a vacation
 ■ go to summer camp for one week

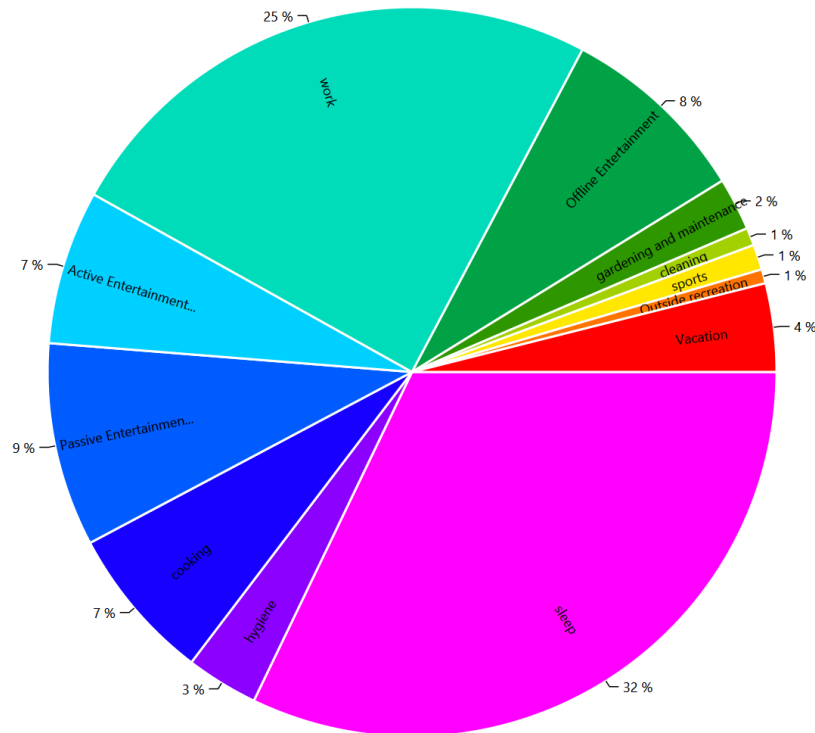


# Activity Distribution per Person

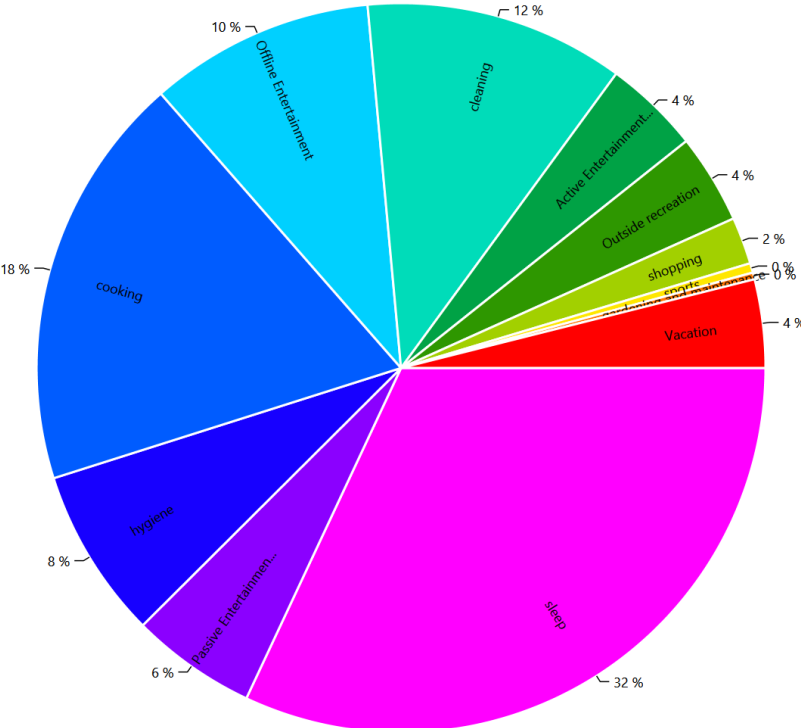
This is made from the files starting with: ActivityPercentage

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

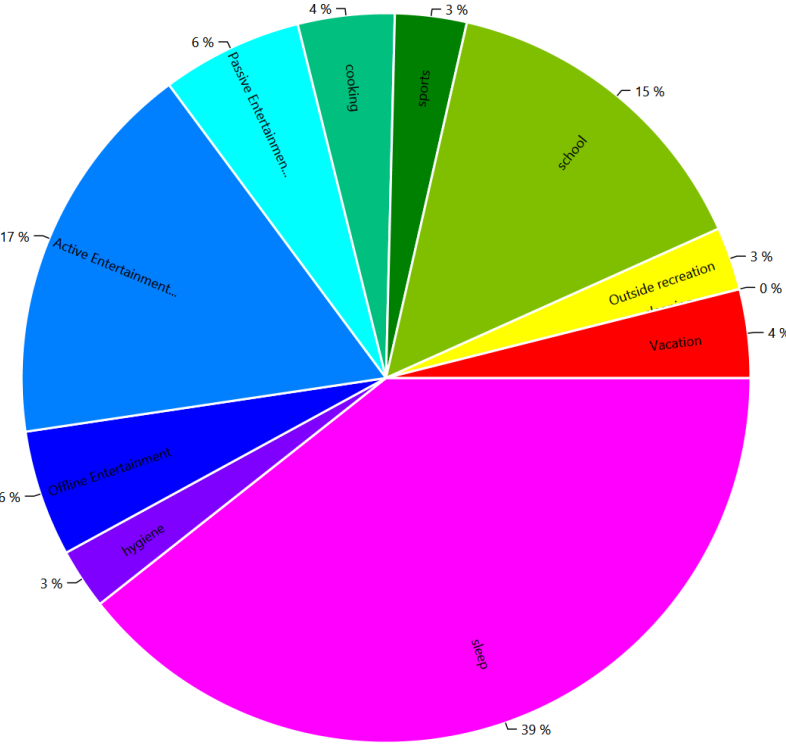
HH0 - CHS01 Egon (45 Male)



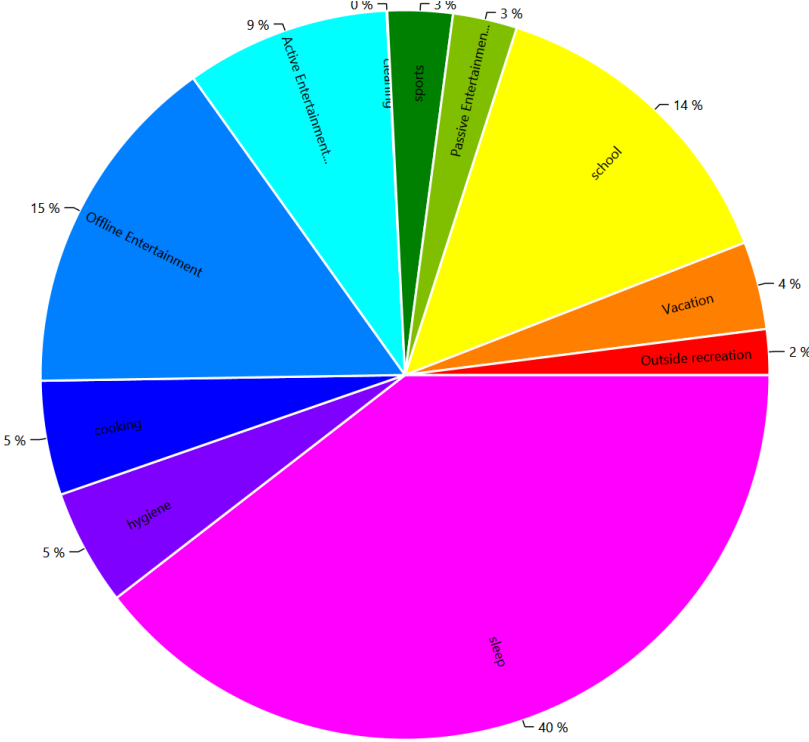
HH0 - CHS01 Hella (40 Female)



HH0 - CHS01 Justus (15 Male)



HH0 - CHS01 Lucia (11 Female)

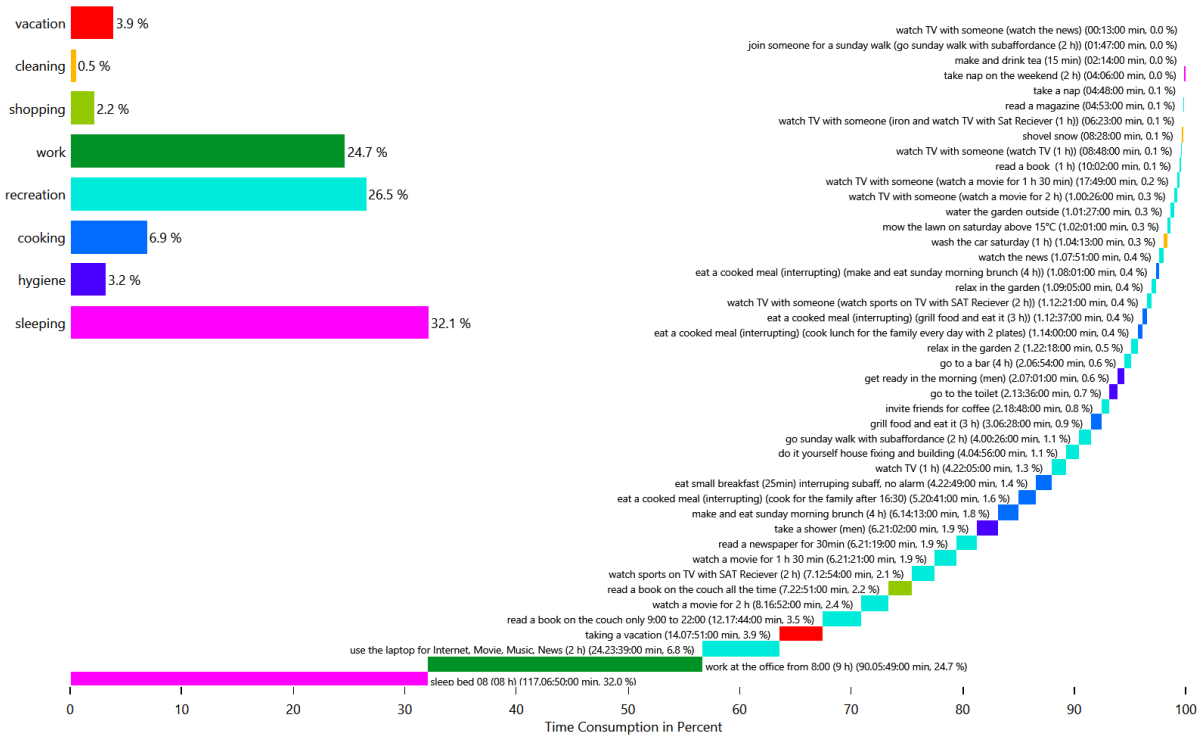


# Time Use per Person per Affordance Per Person

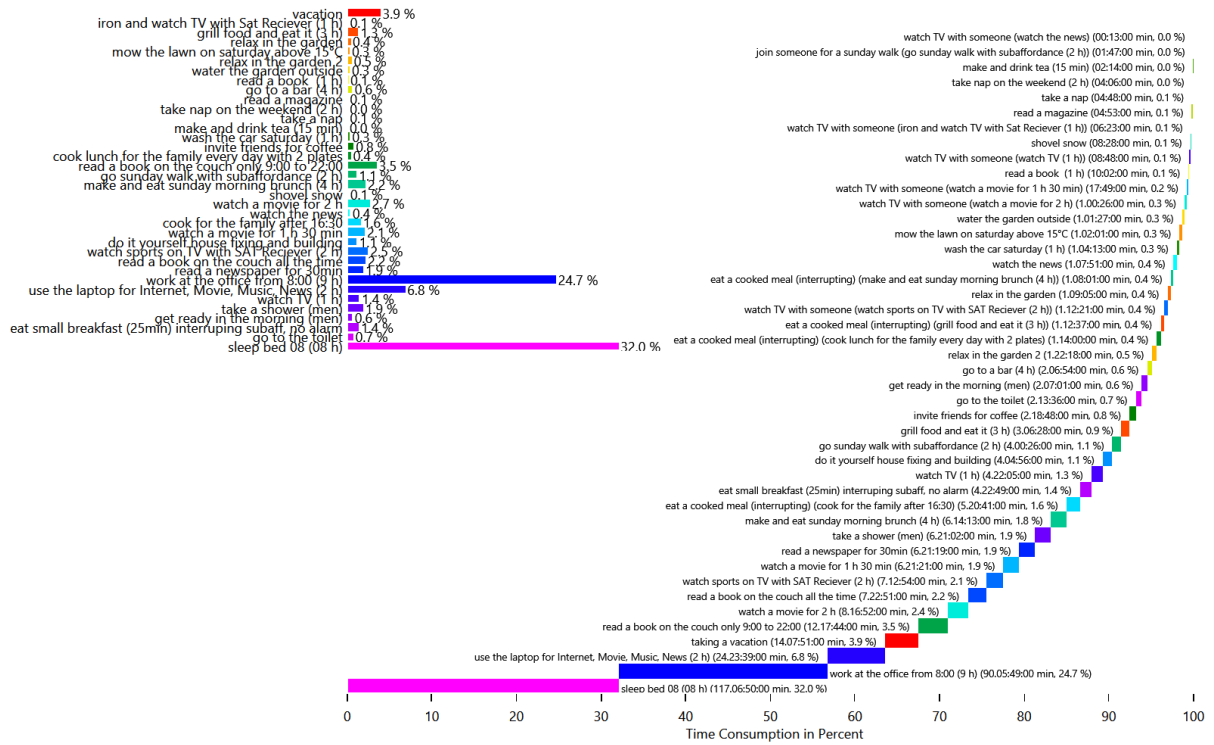
This is made from the files starting with: AffordanceTimeUse

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.

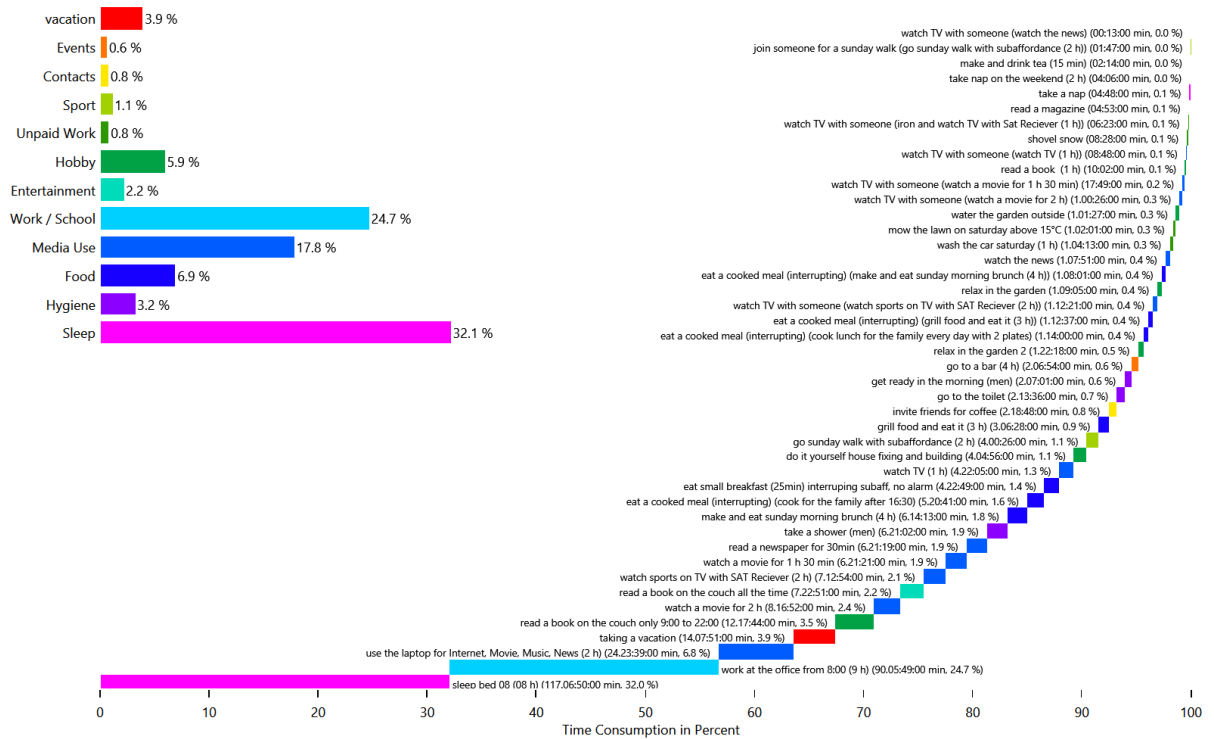
## HH0 - CHS01 Egon (45 Male)



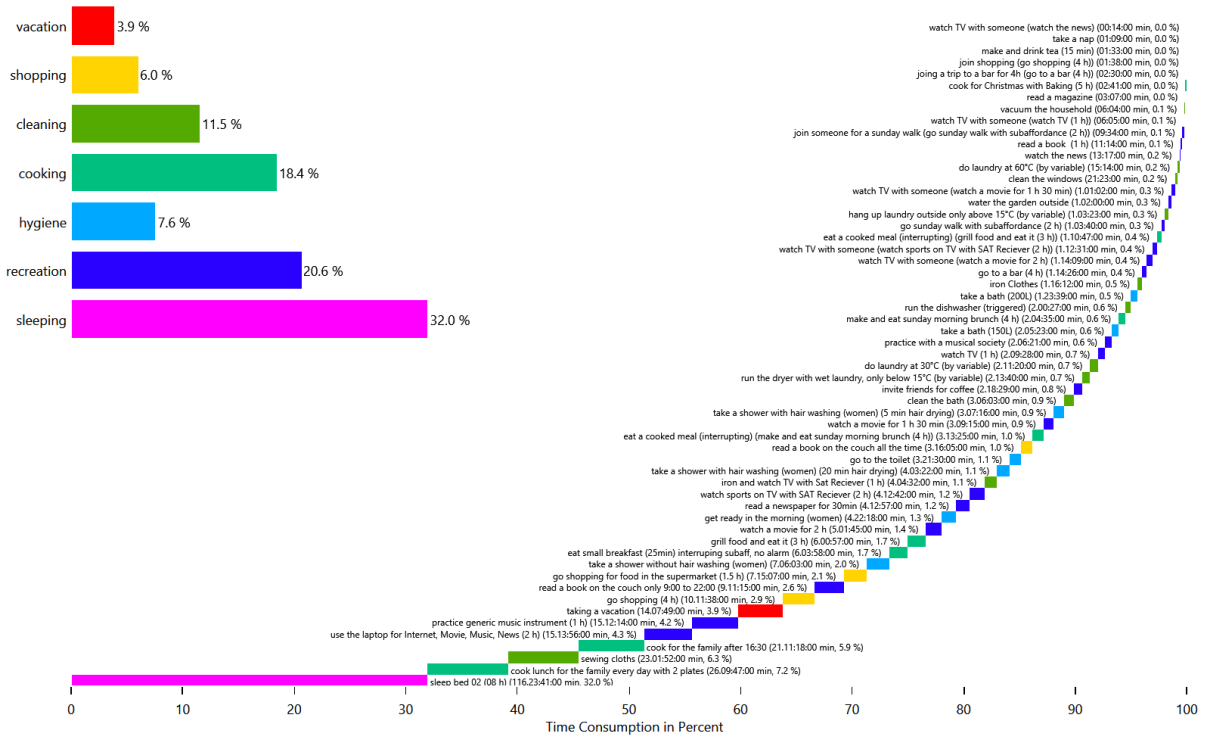
## HH0 - CHS01 Egon (45 Male)



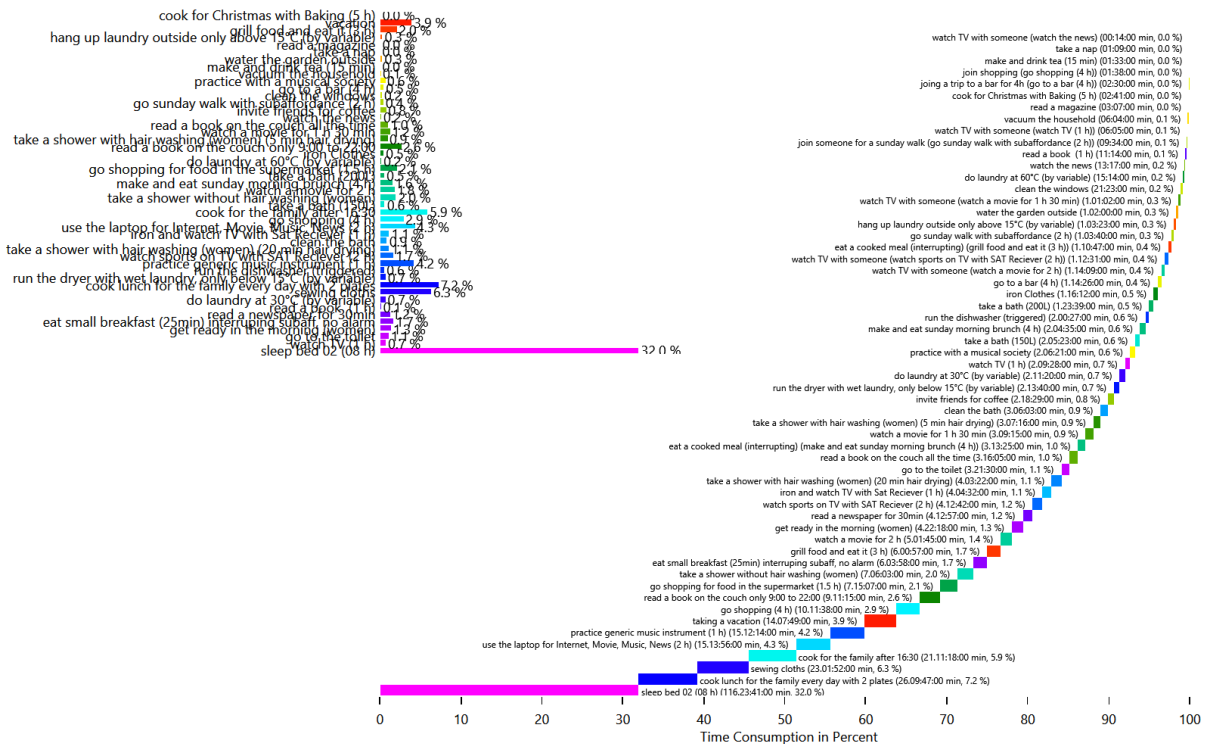
## HH0 - CHS01 Egon (45 Male)



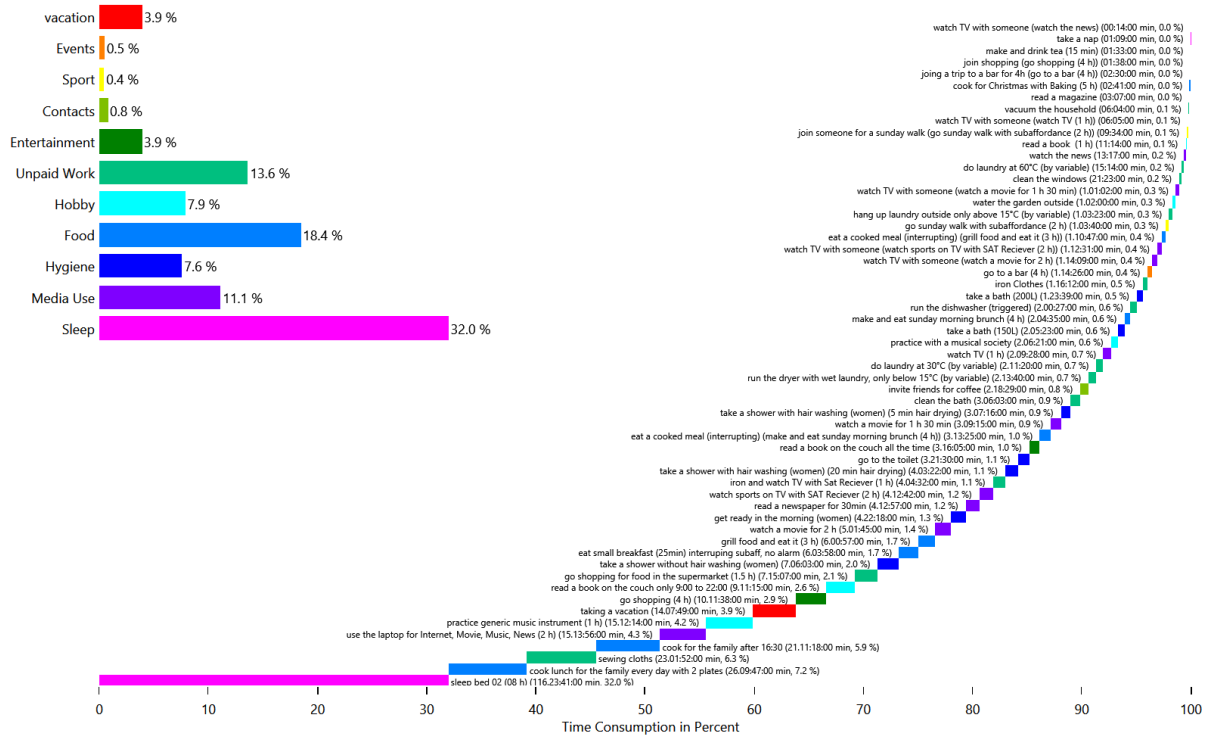
## HH0 - CHS01 Hella (40 Female)



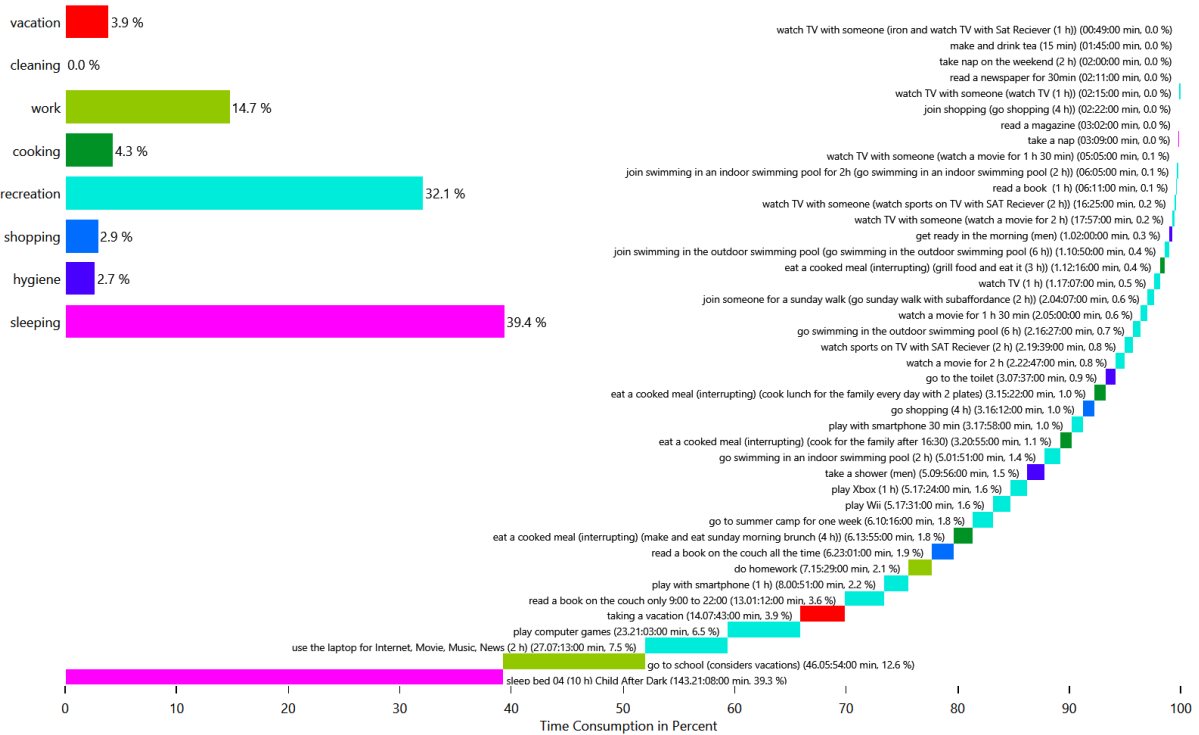
## HH0 - CHS01 Hella (40 Female)



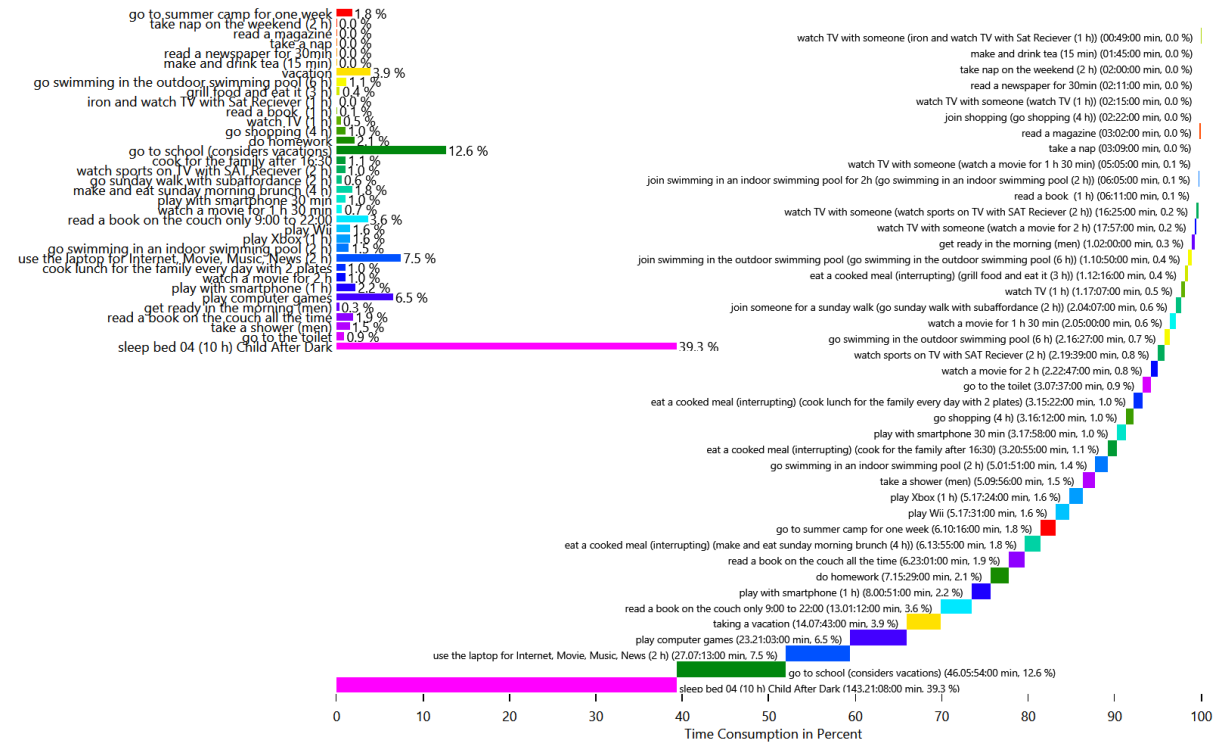
## HH0 - CHS01 Hella (40 Female)



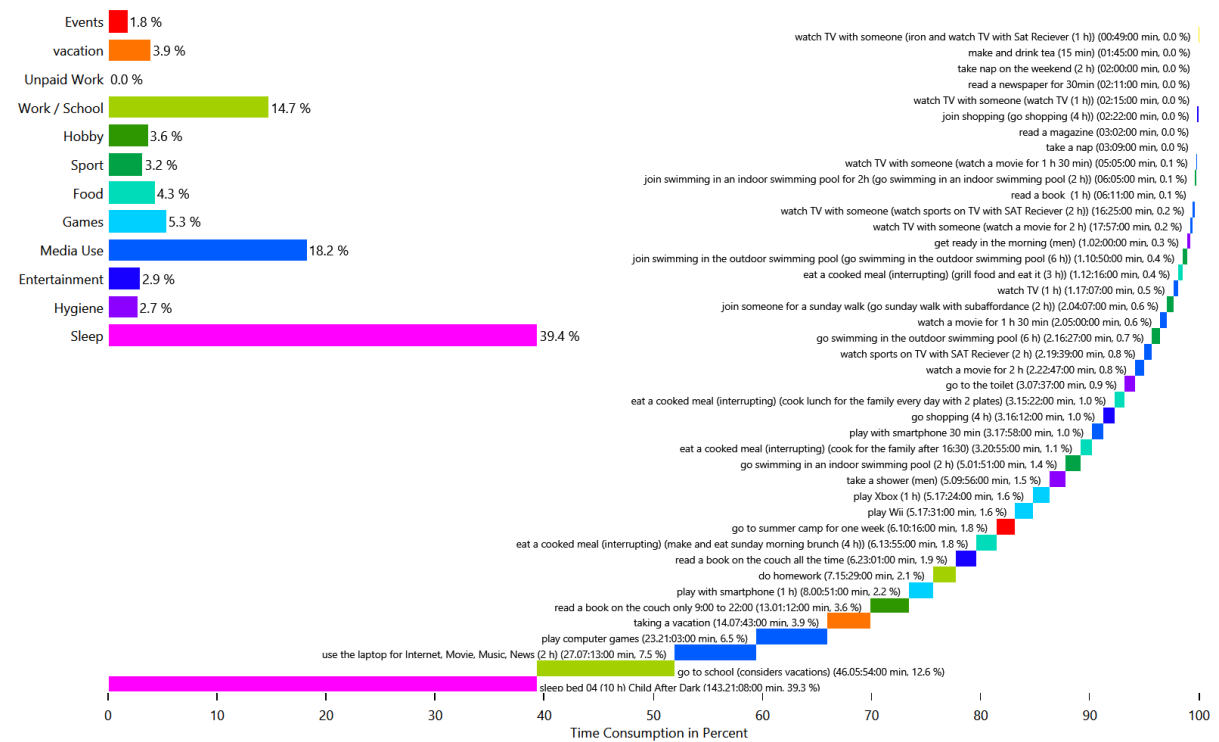
## HH0 - CHS01 Justus (15 Male)



## HH0 - CHS01 Justus (15 Male)

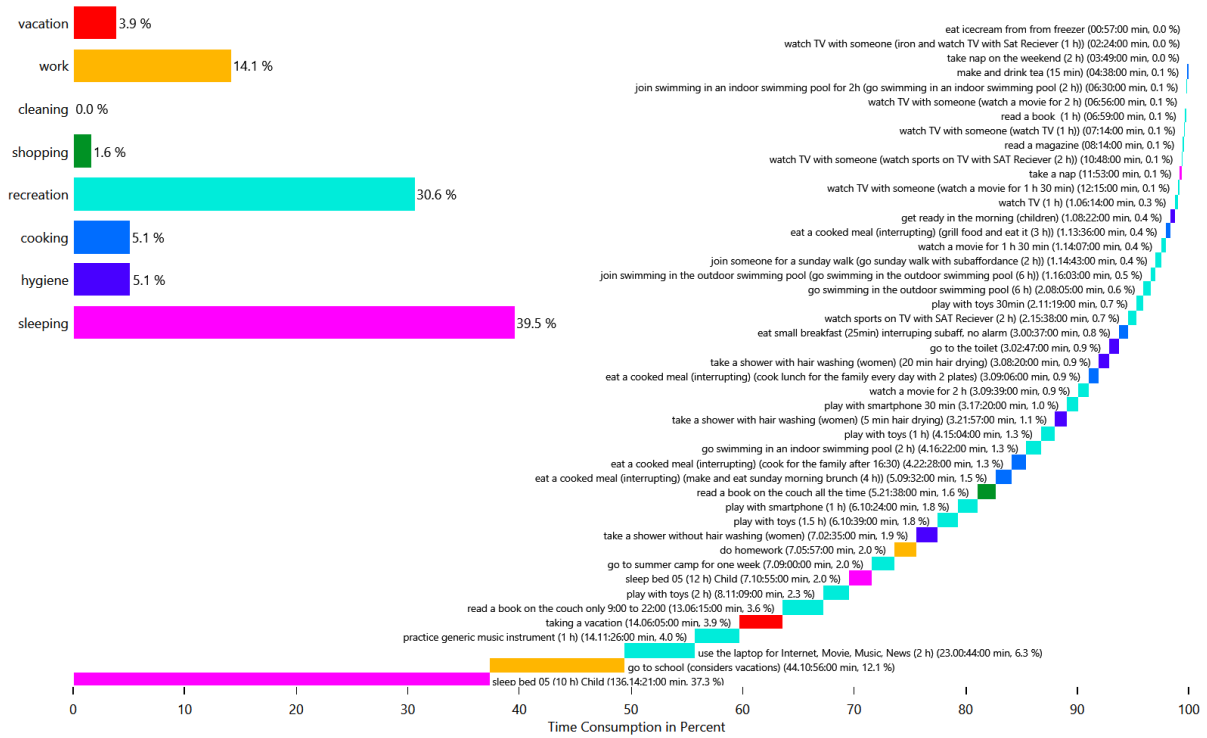


## HH0 - CHS01 Justus (15 Male)

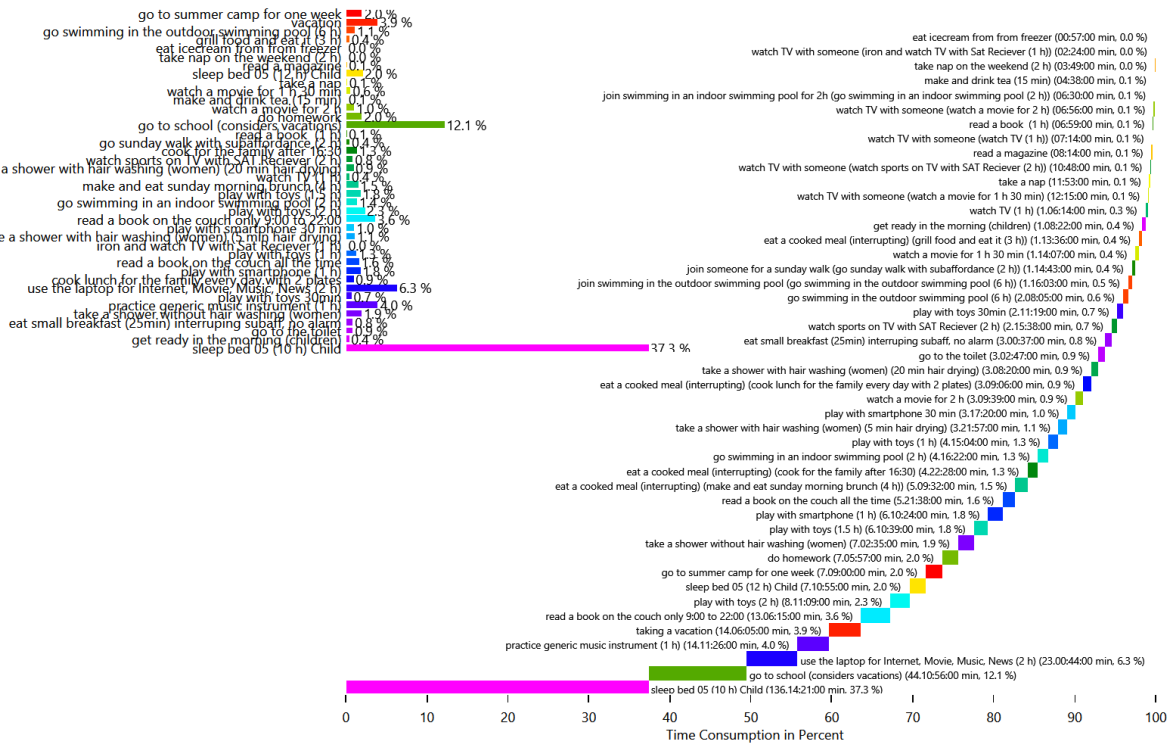




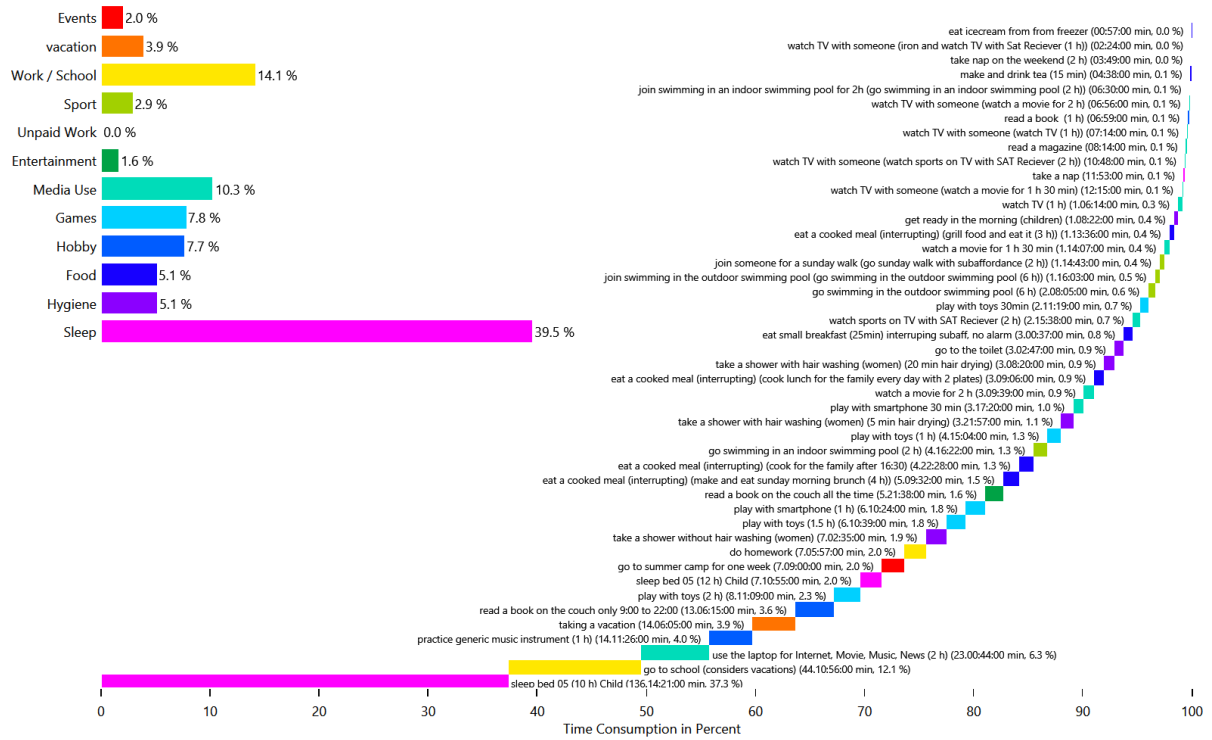
# HH0 - CHS01 Lucia (11 Female)



# HH0 - CHS01 Lucia (11 Female)



# HH0 - CHS01 Lucia (11 Female)

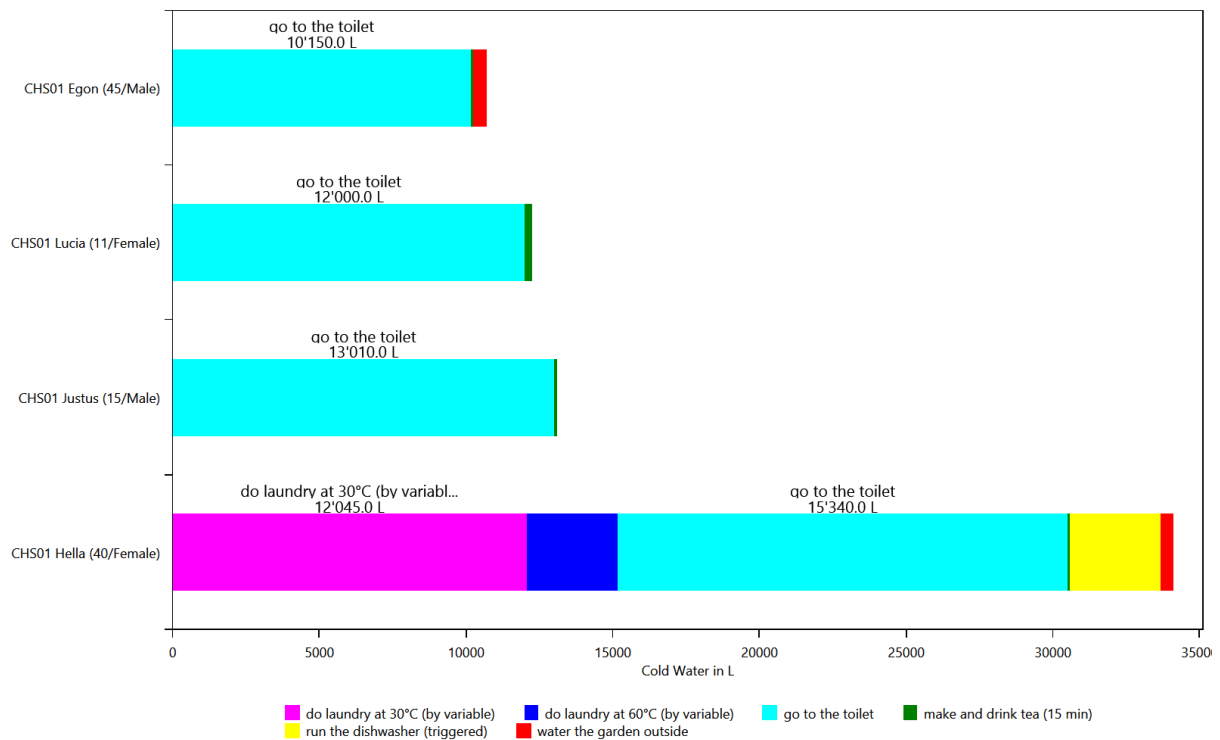


# Energy use per person per affordance

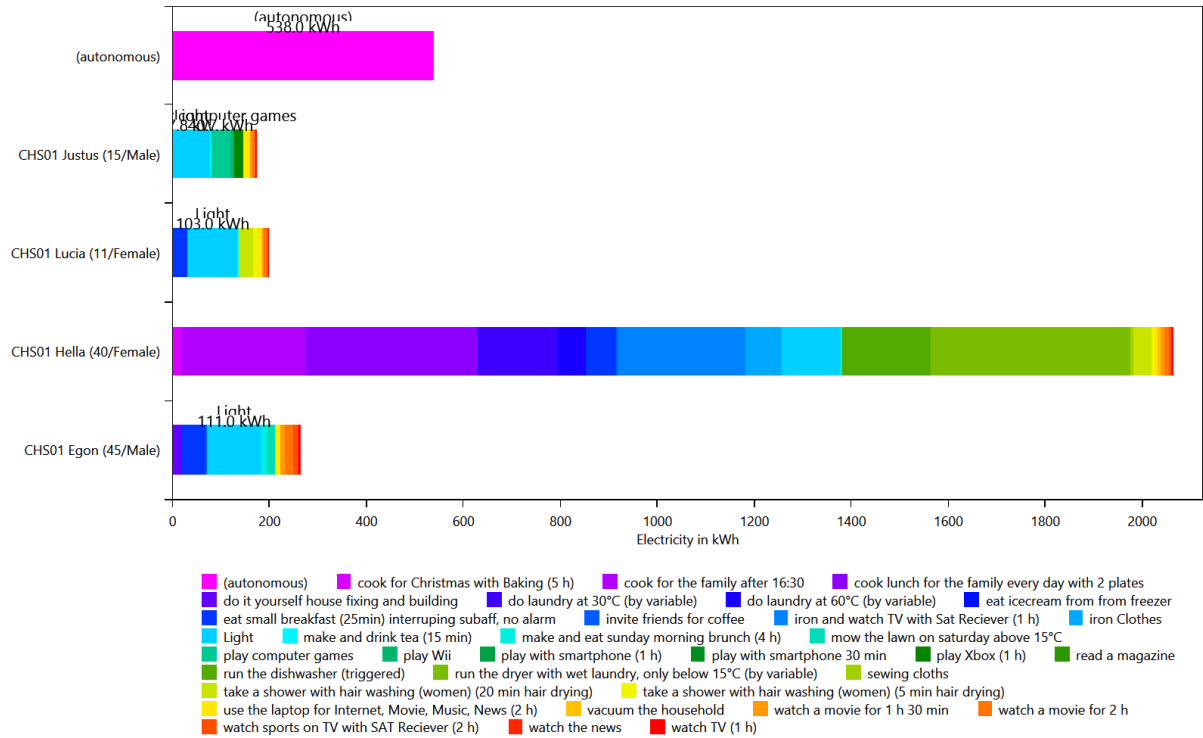
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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

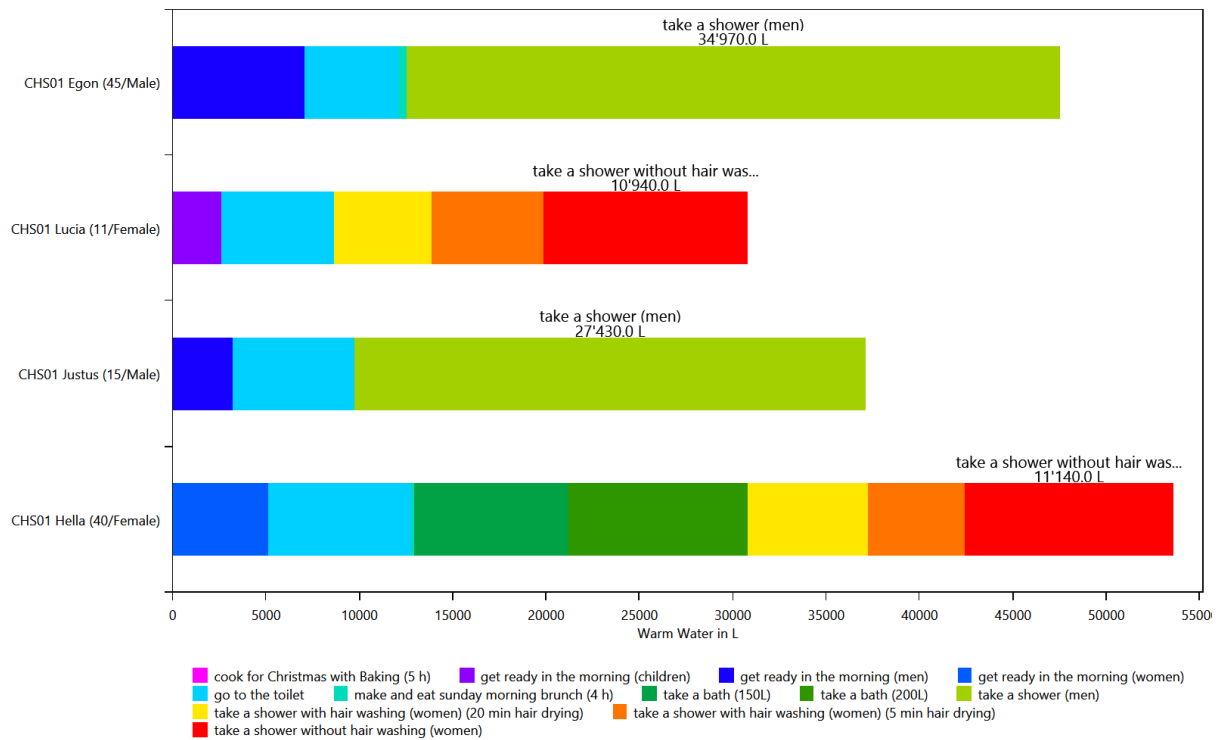
## HH0 - Cold Water



## HH0 - Electricity



## HH0 - Warm Water

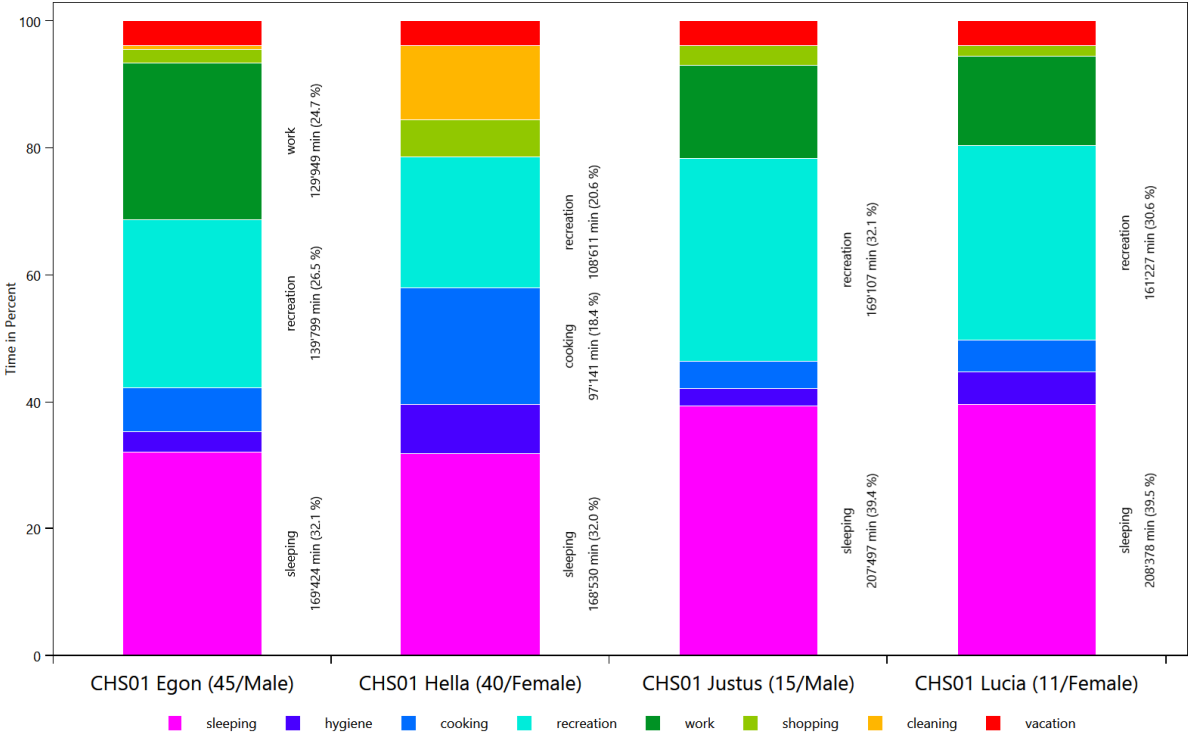


# Time Use per Person Per Affordance according to different category definitions

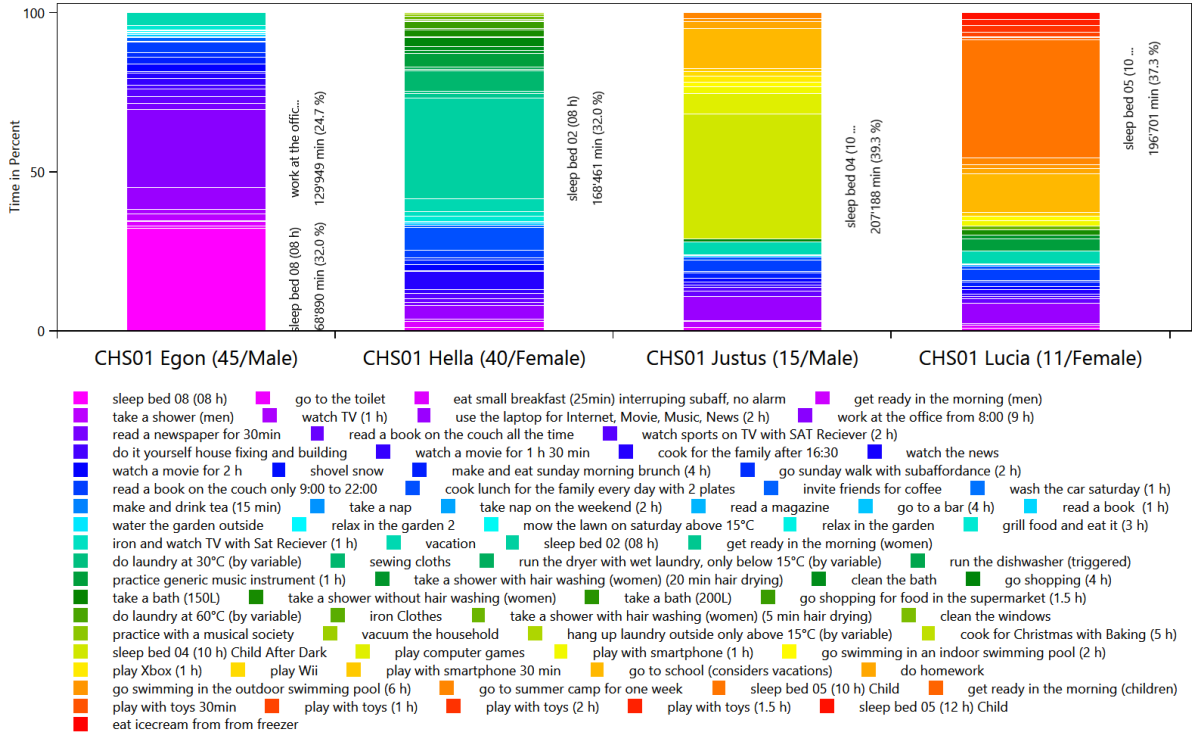
This is made from the files starting with: AffordanceTaggingSet

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.

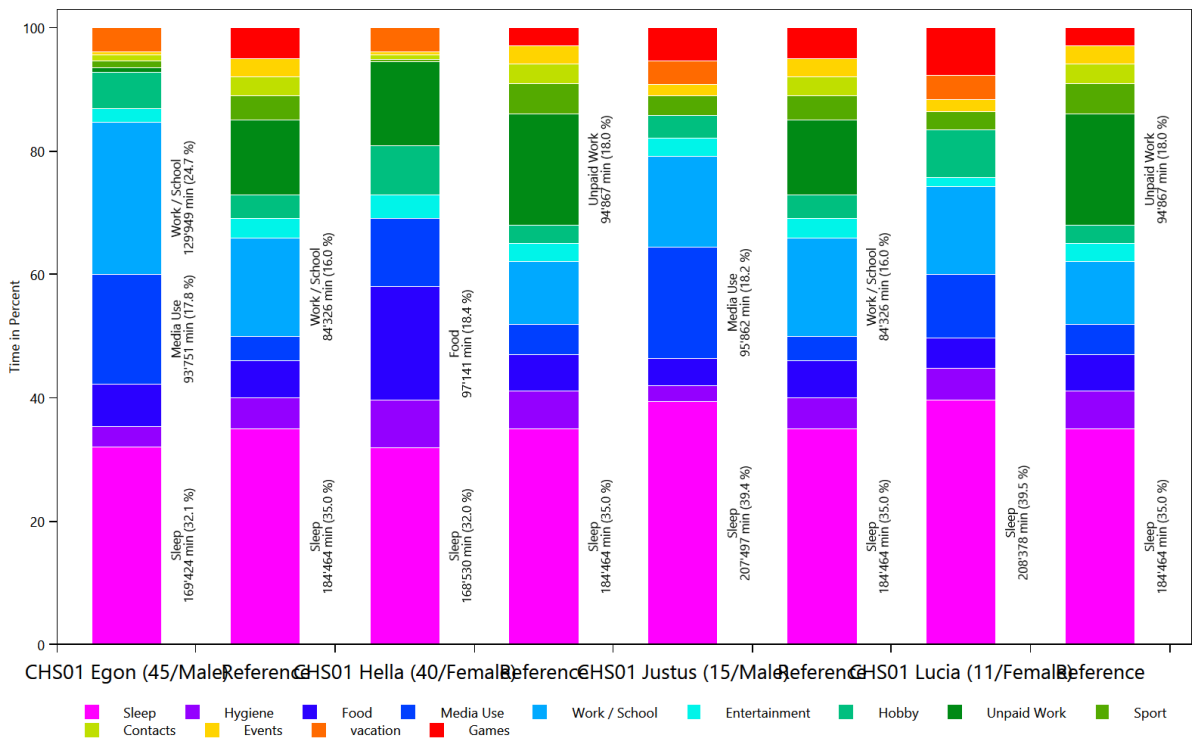
## Basic Tagging - HH0



## Tagging Set For Planning - HH0



## Wo bleibt die Zeit - HH0

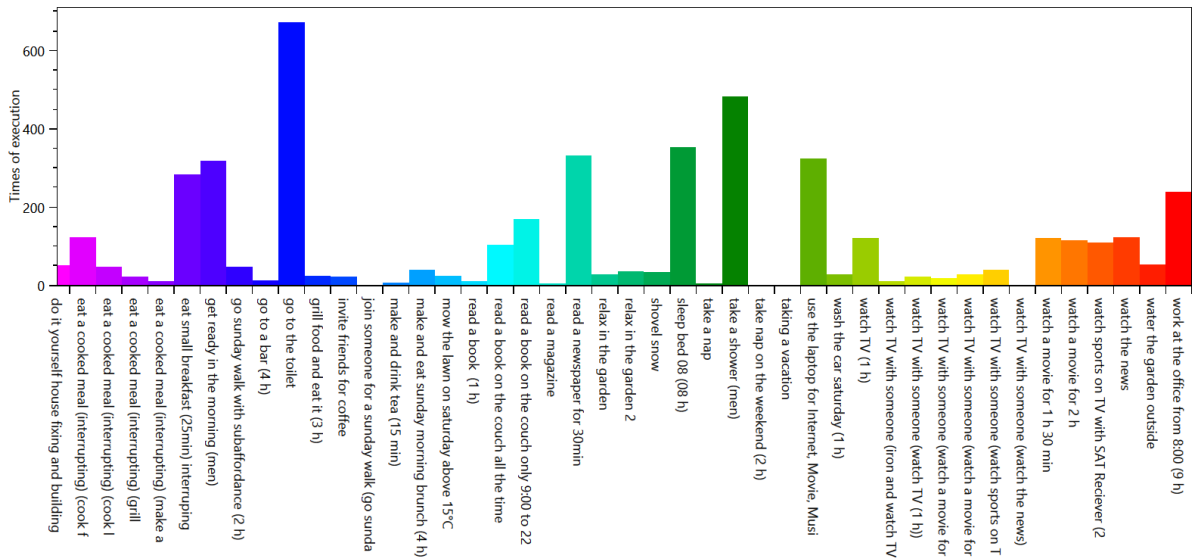


# Overview of the actions of each member of the household

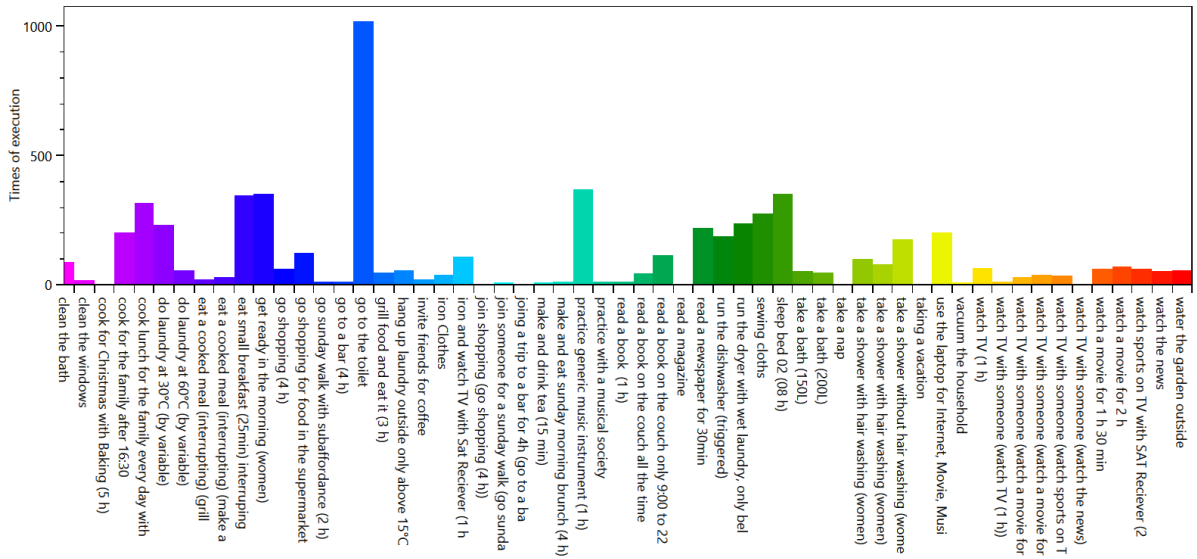
This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

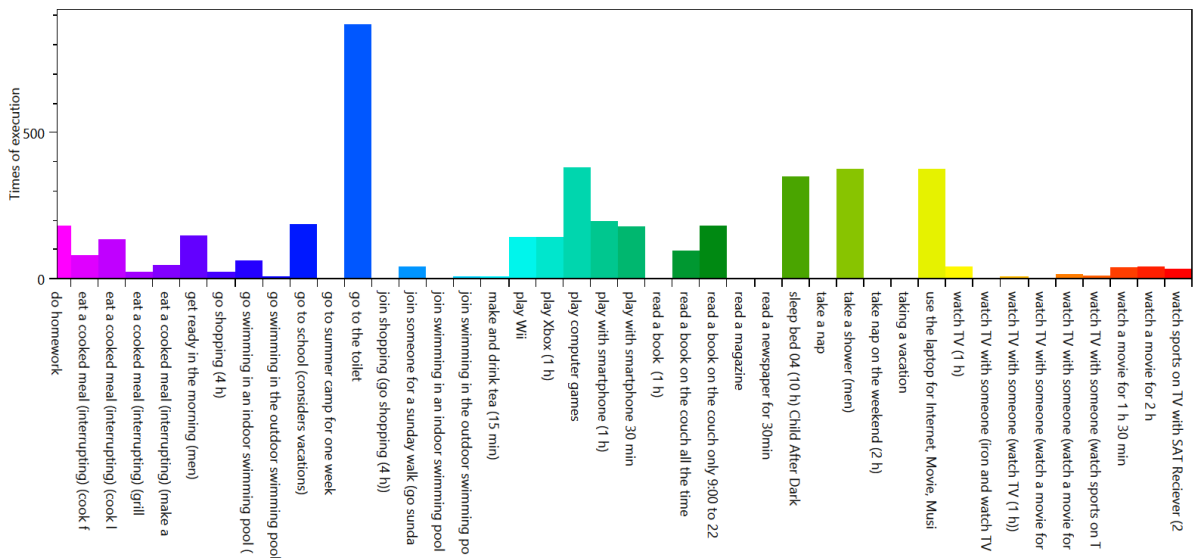
HH0 - CHS01 Egon (45 Male)



## HH0 - CHS01 Hella (40 Female)

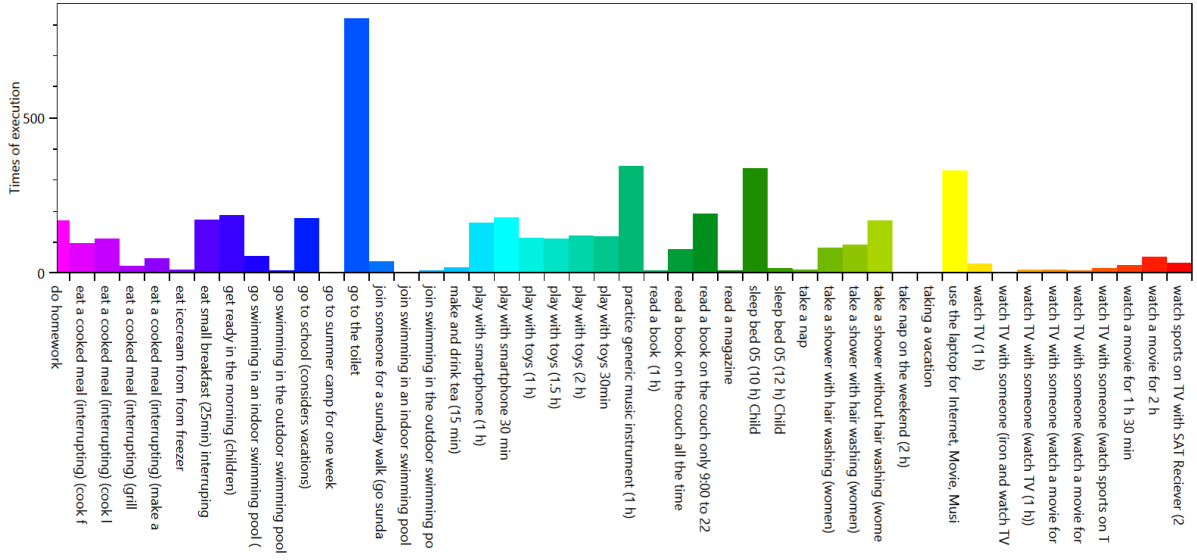


## HH0 - CHS01 Justus (15 Male)





# HH0 - CHS01 Lucia (11 Female)

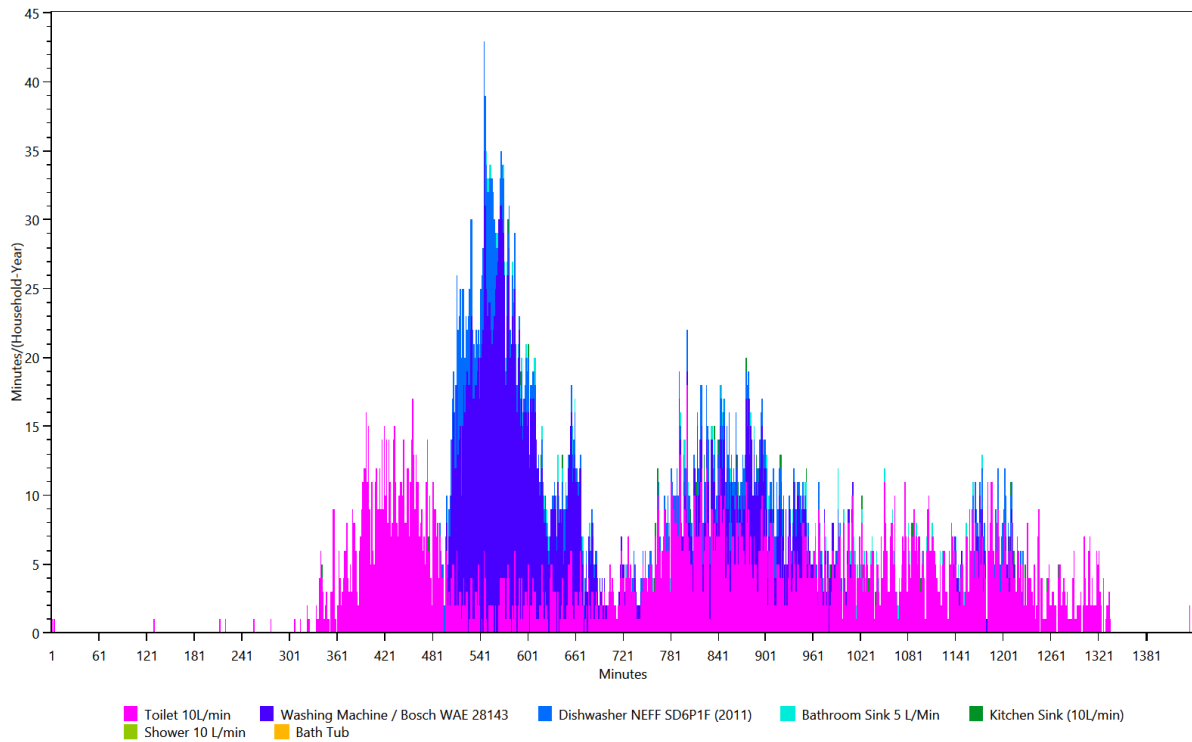


# Overview of the time of the use per load type per device

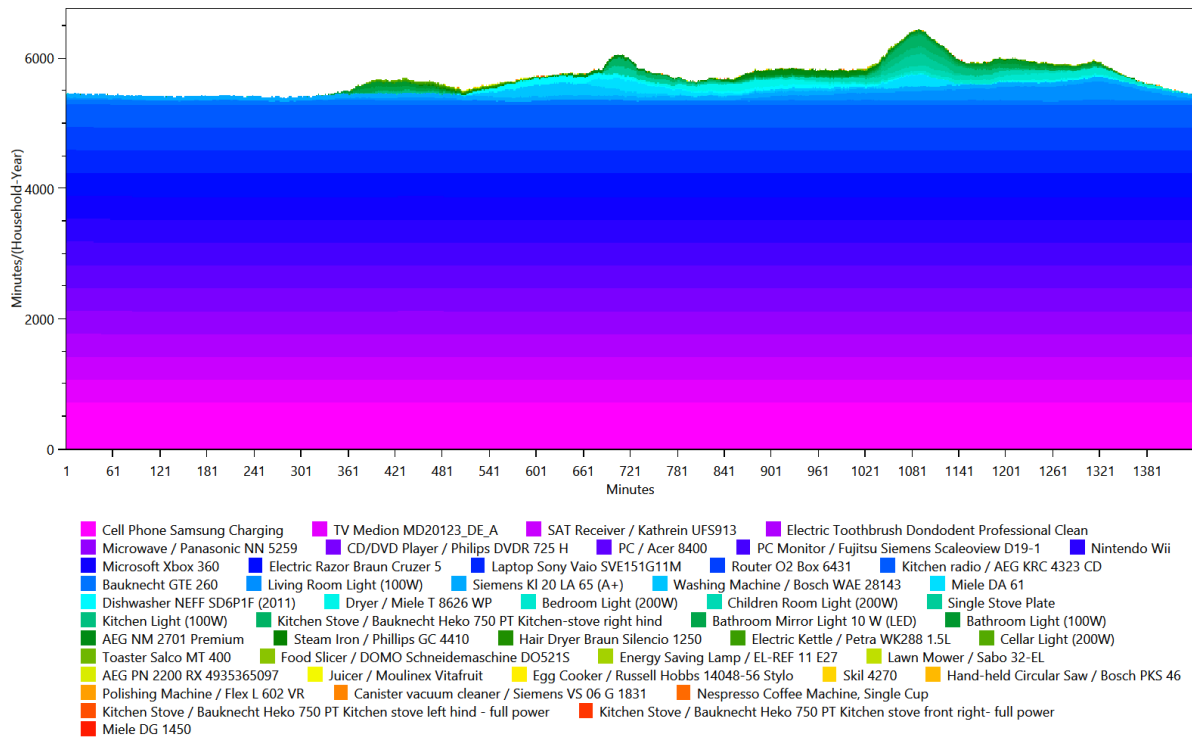
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

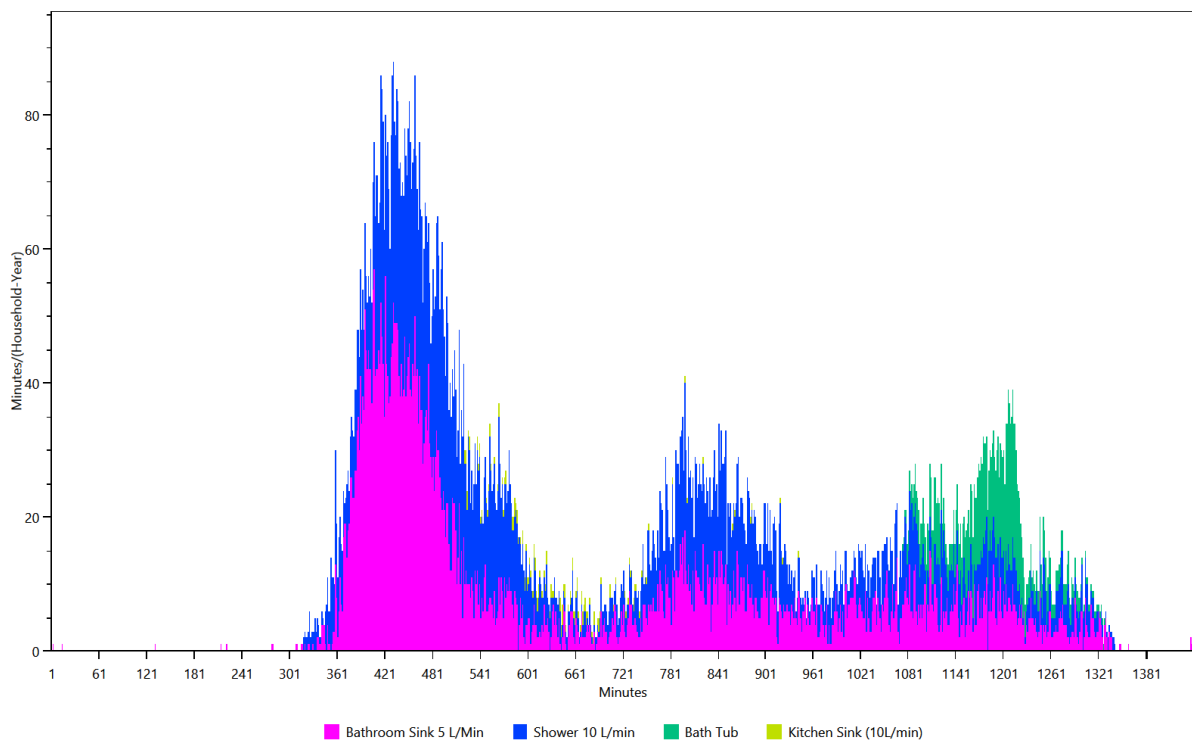
## Cold Water



## Electricity



## Warm Water

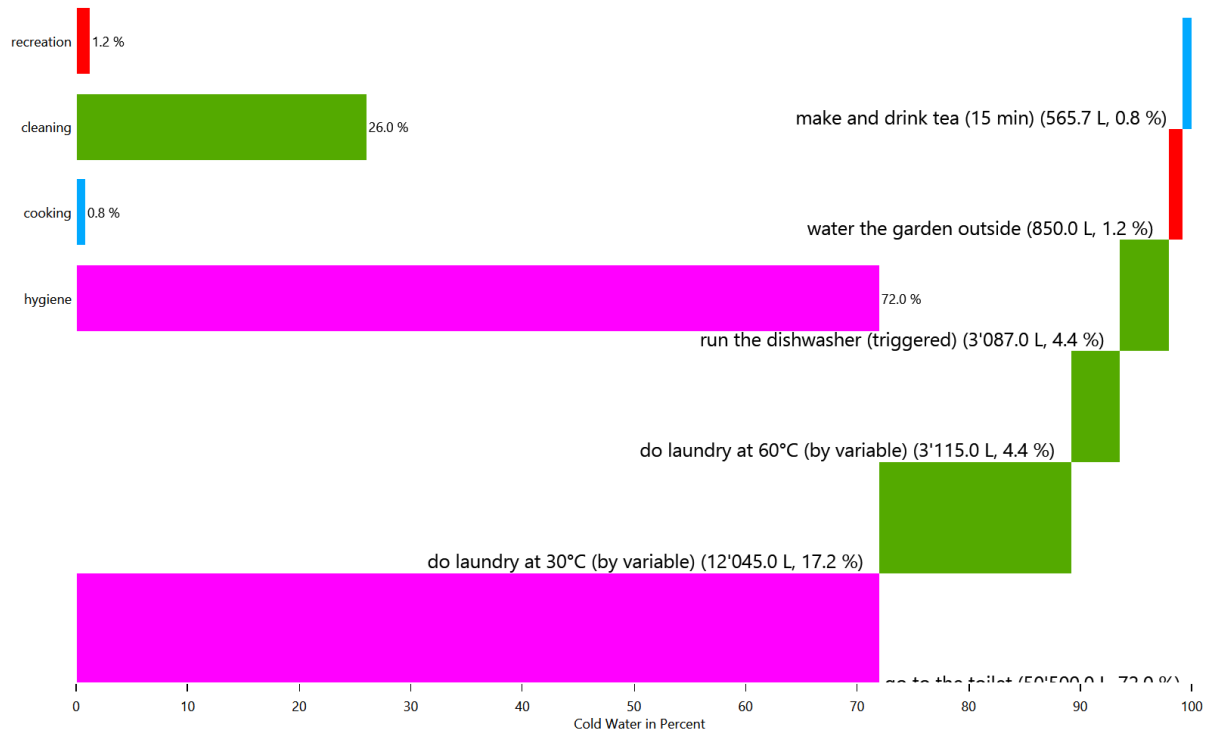


# Energy/Resource use distribution per load type per affordance

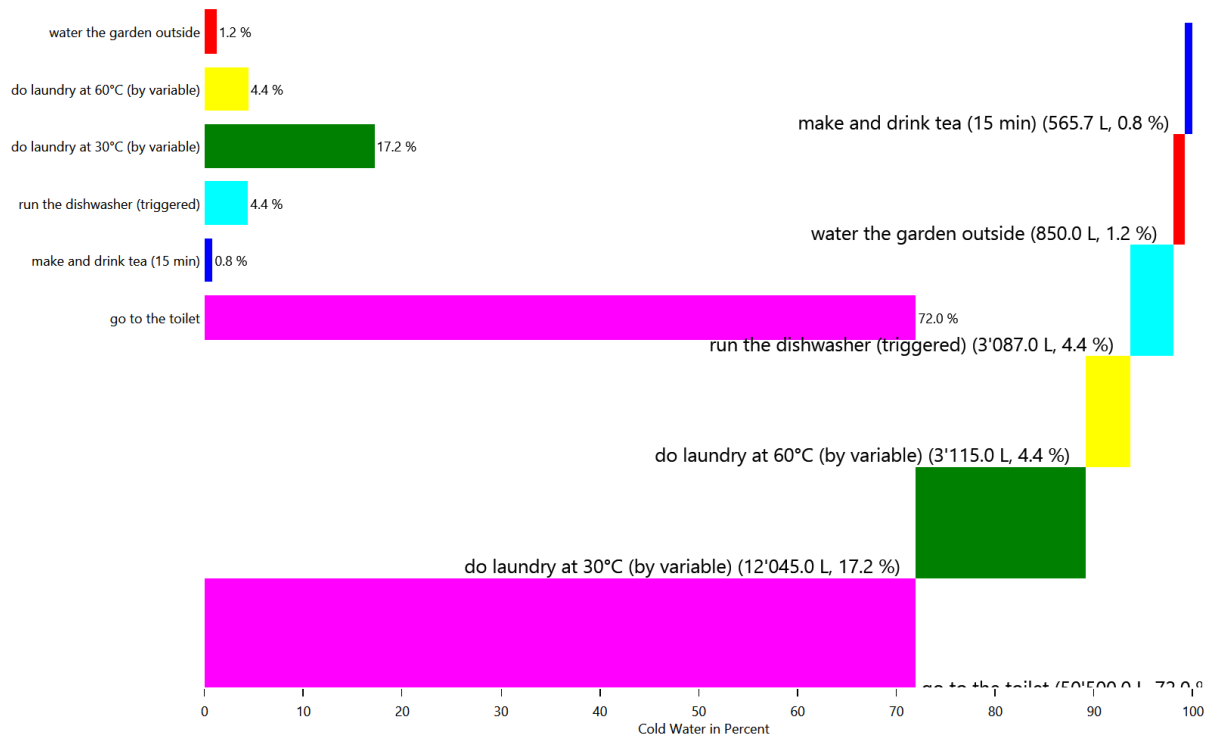
This is made from the files starting with: **AffordanceEnergyUse**

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

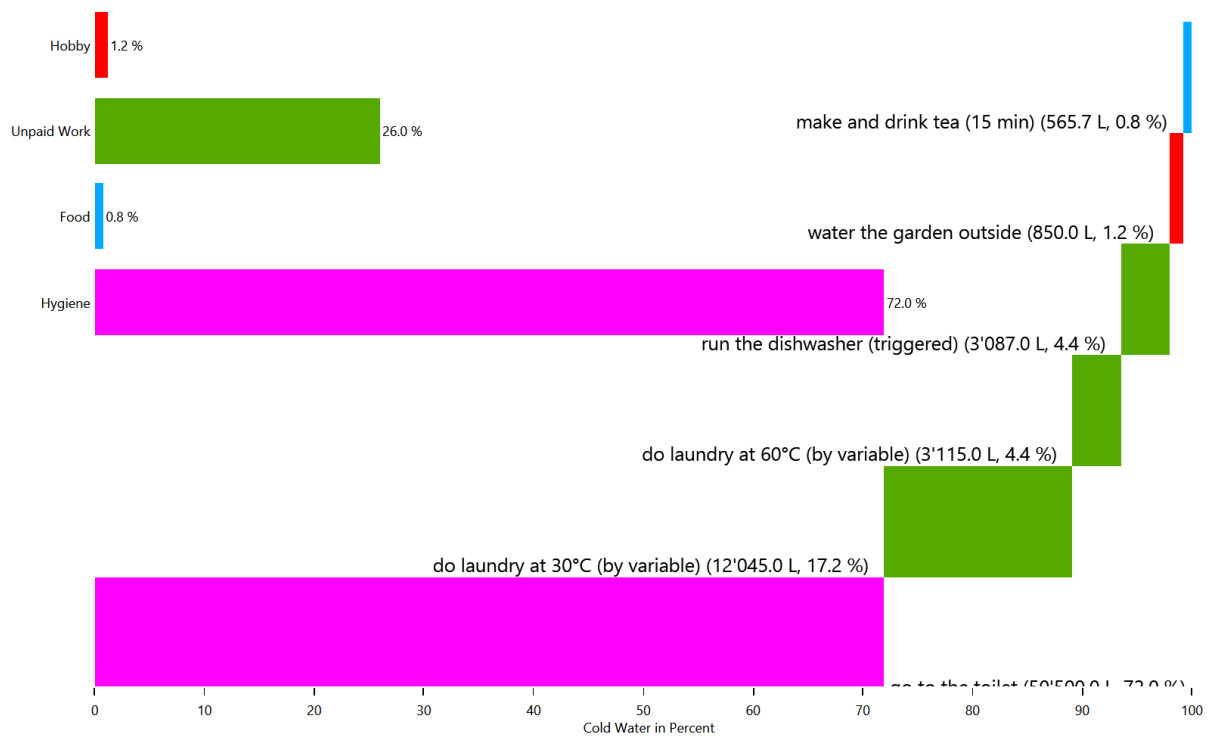
## HH0 - Cold Water



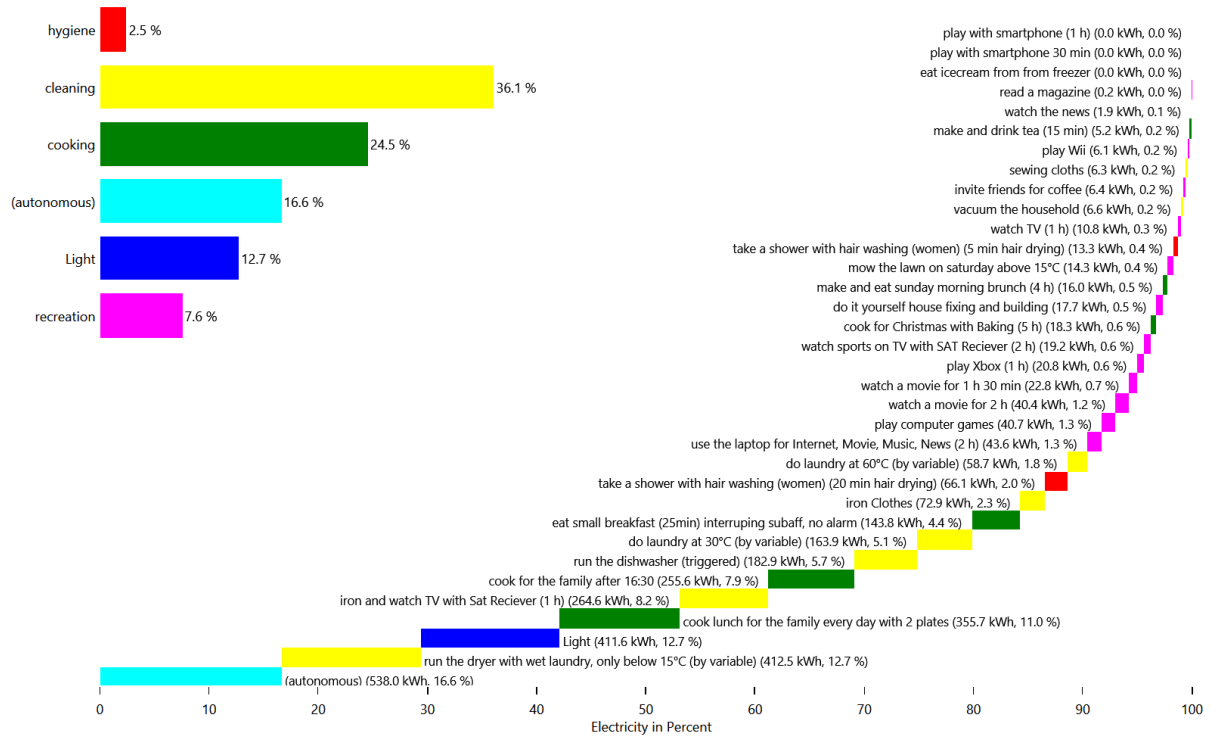
## HH0 - Cold Water



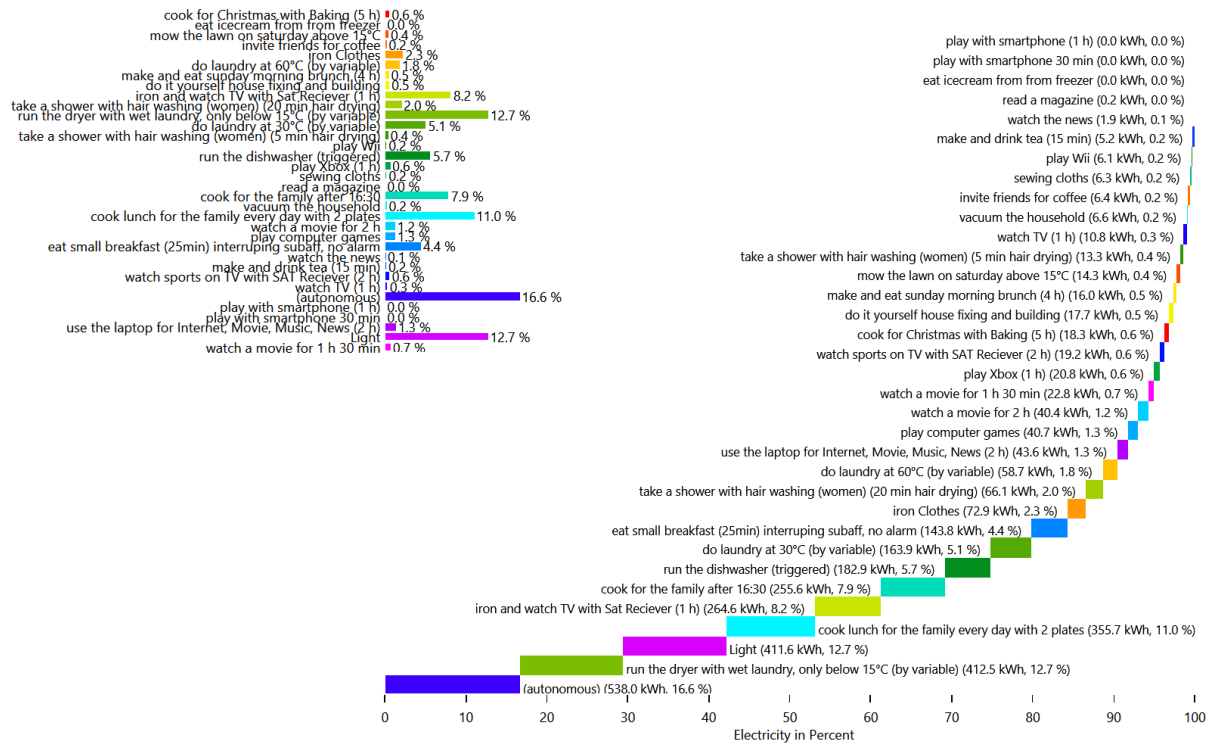
## HH0 - Cold Water



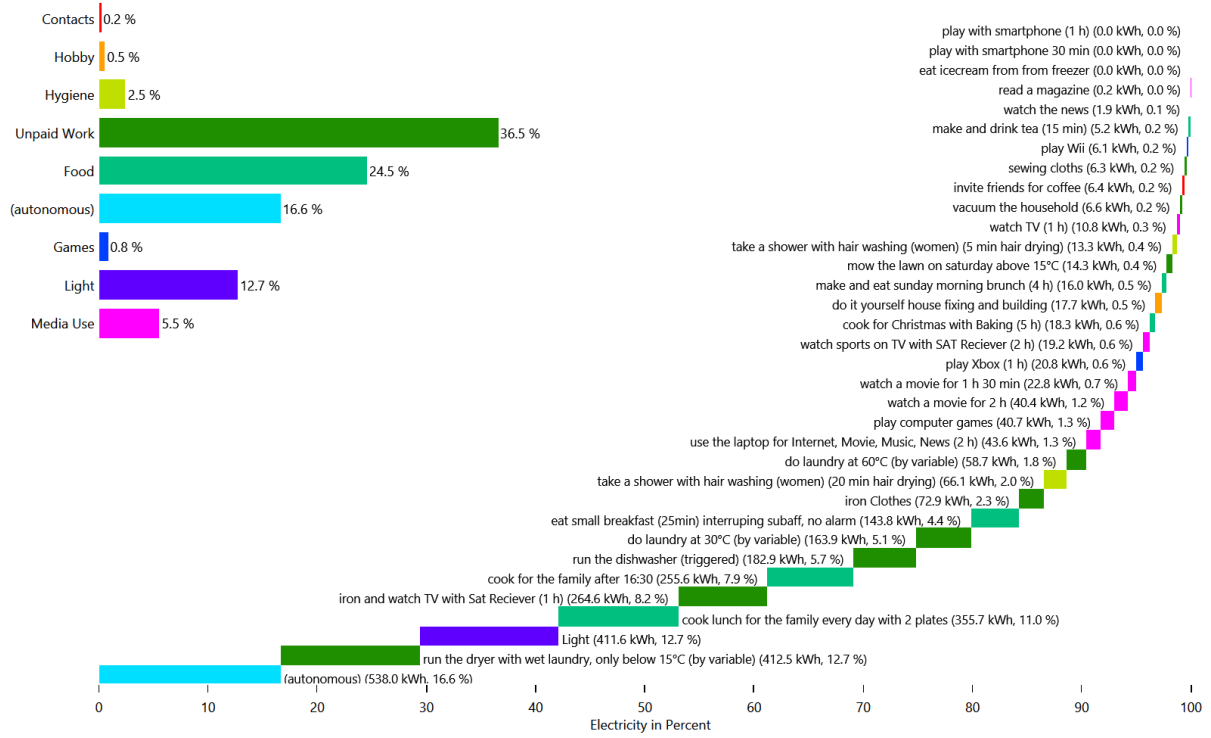
# HH0 - Electricity



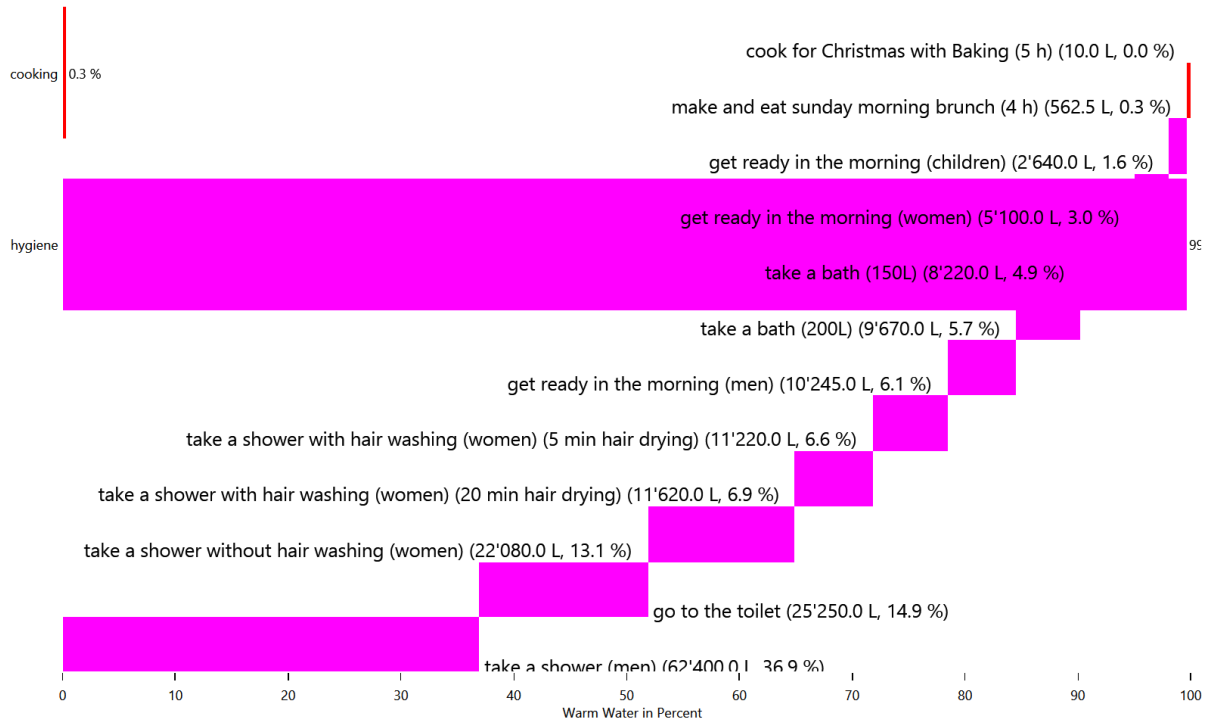
# HH0 - Electricity



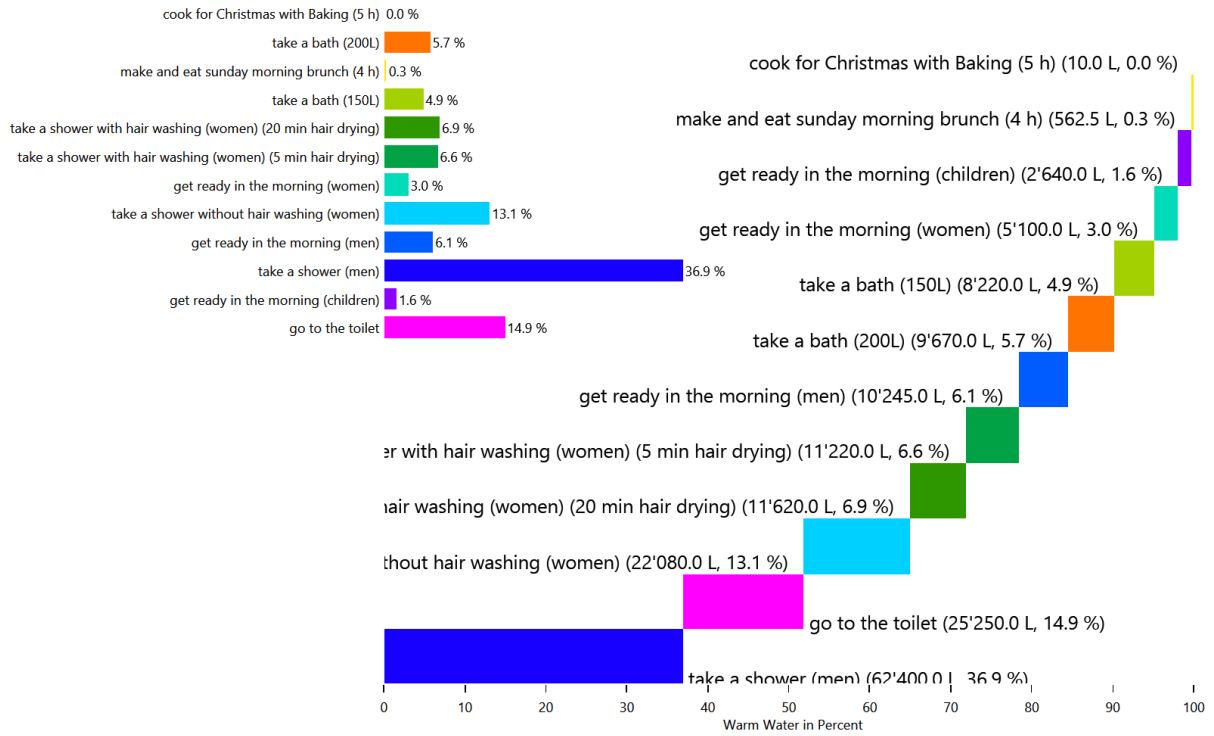
## HH0 - Electricity



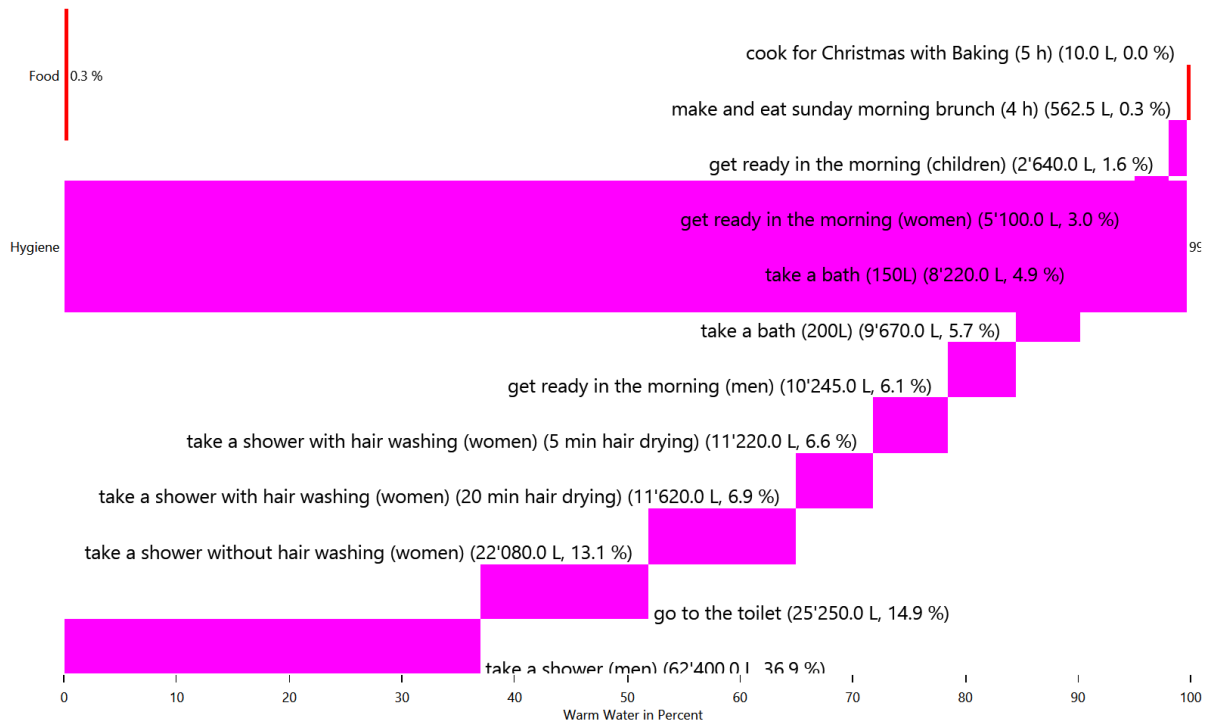
## HH0 - Warm Water



## HH0 - Warm Water



## HH0 - Warm Water



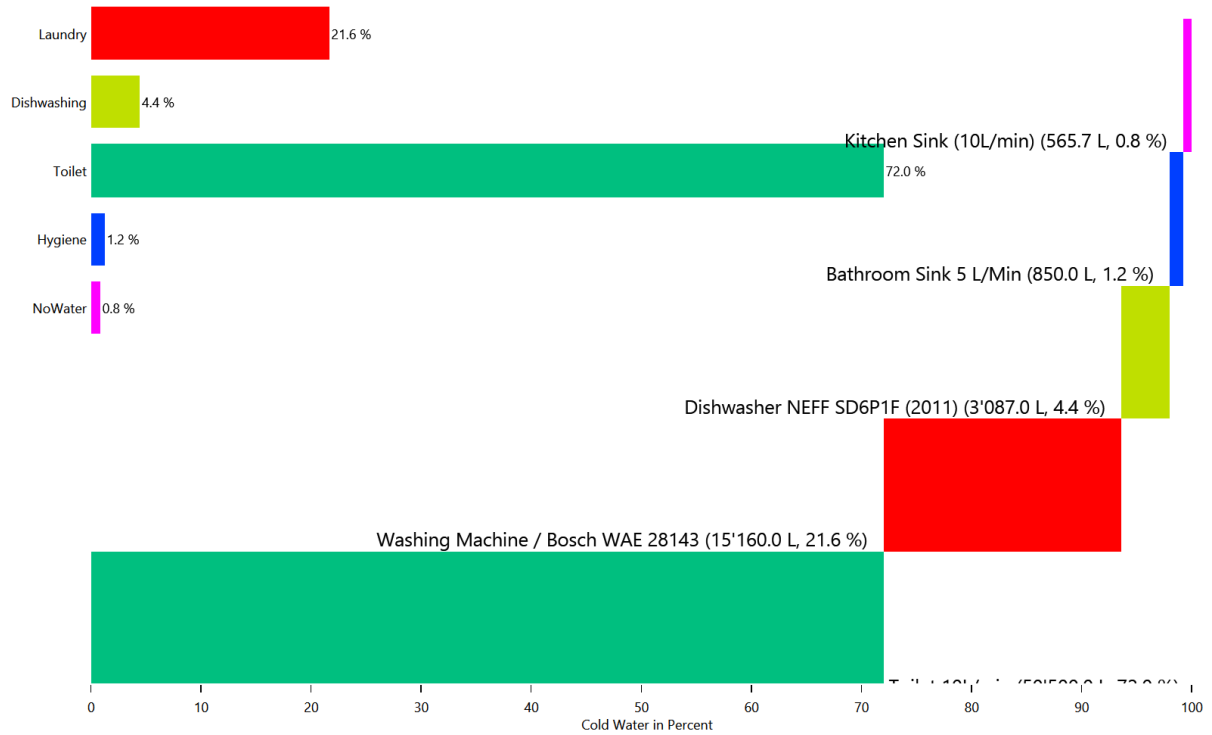


# Energy use for each load type for each device

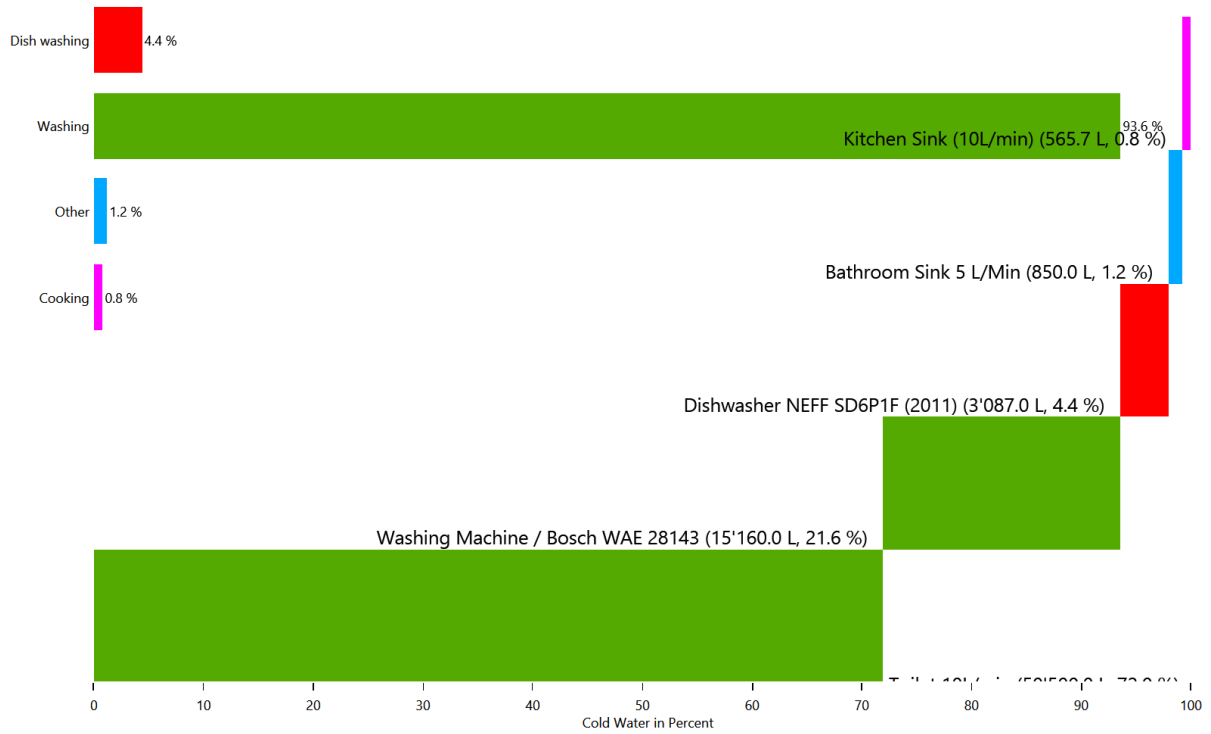
This is made from the files starting with: DeviceSums

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

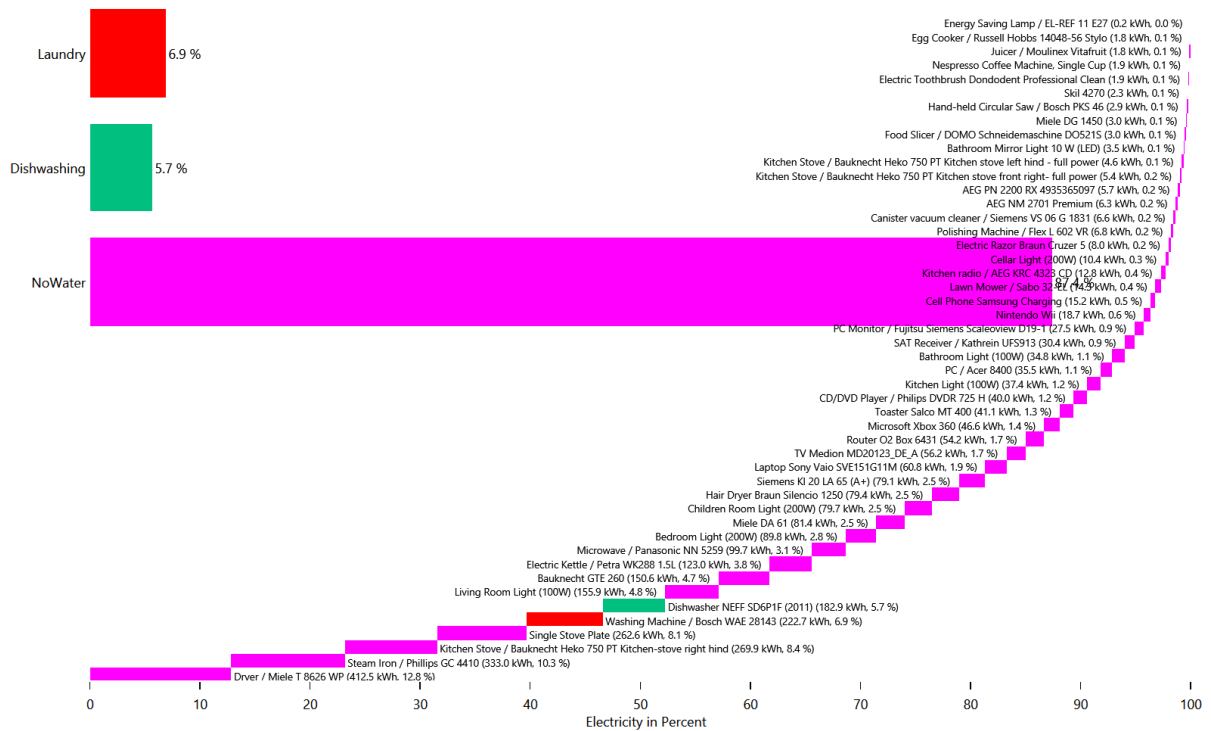
## Cold Water



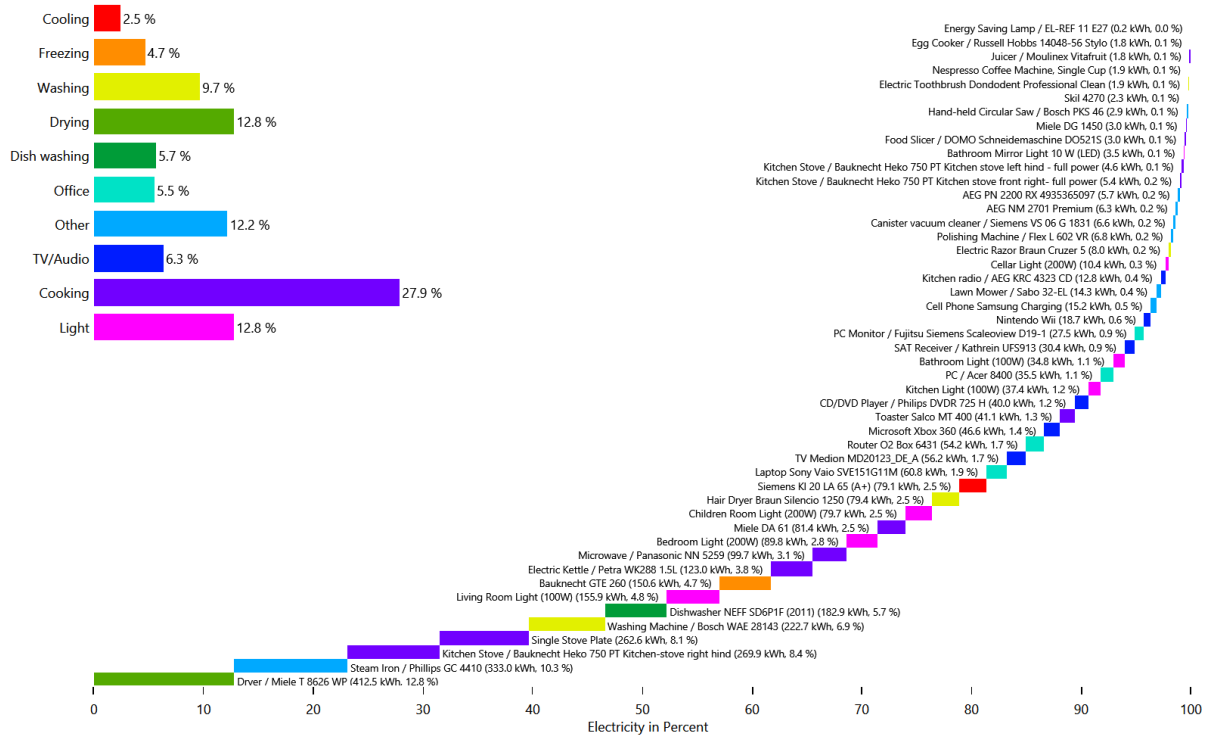
## Cold Water



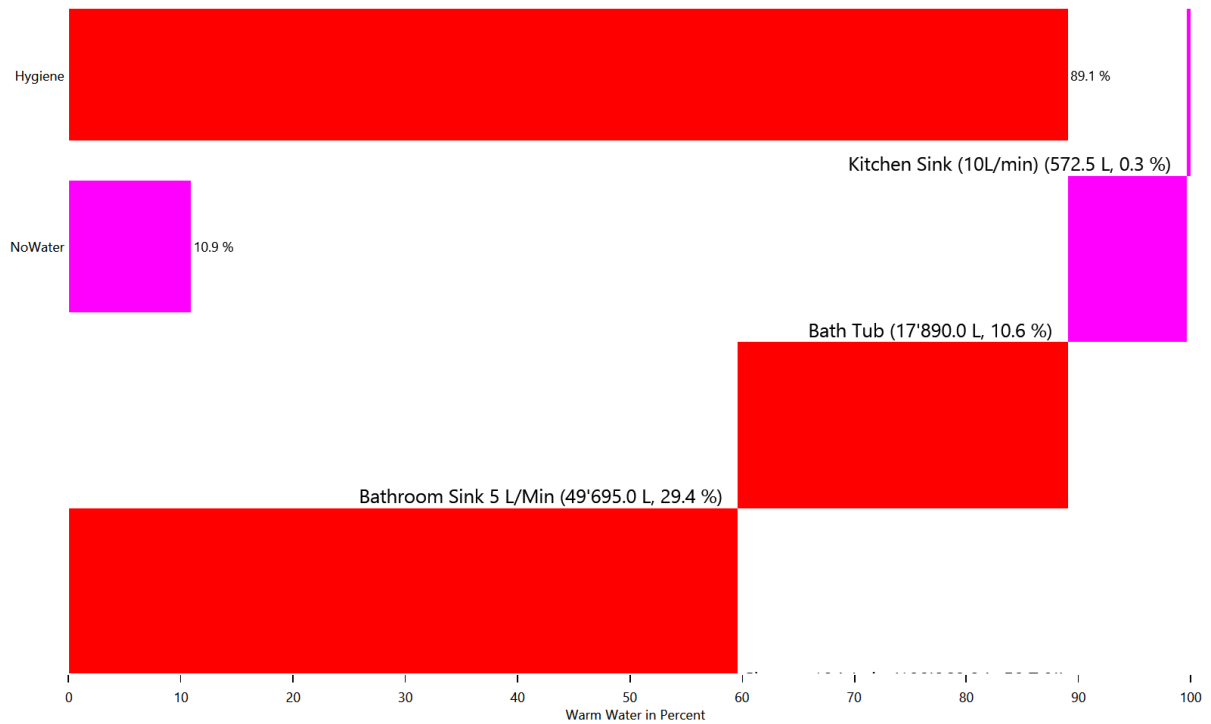
## Electricity



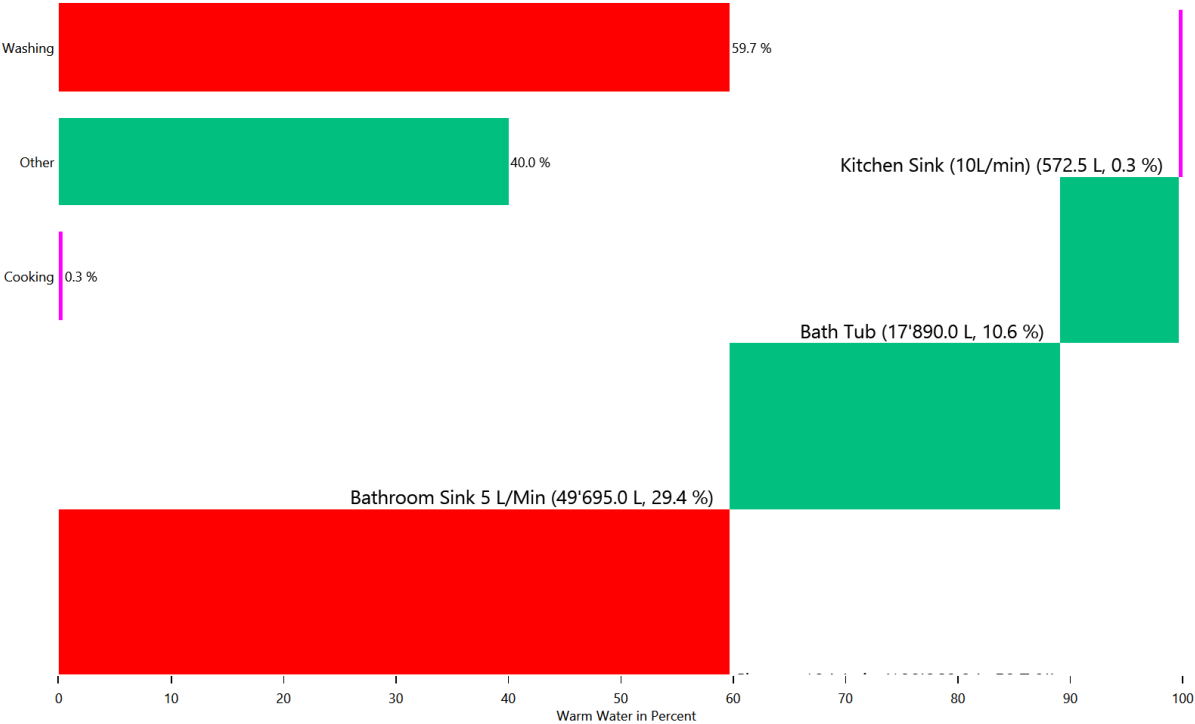
# Electricity



# Warm Water



# Warm Water

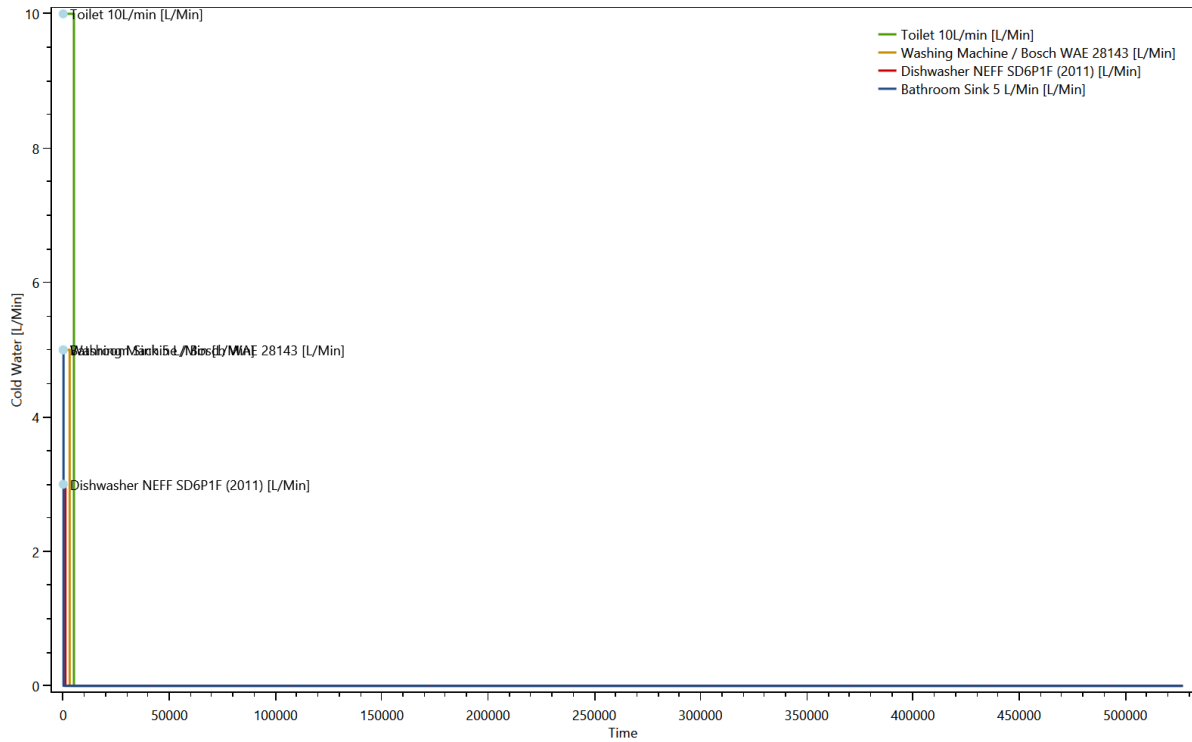


# Duration curve for each device for each load type

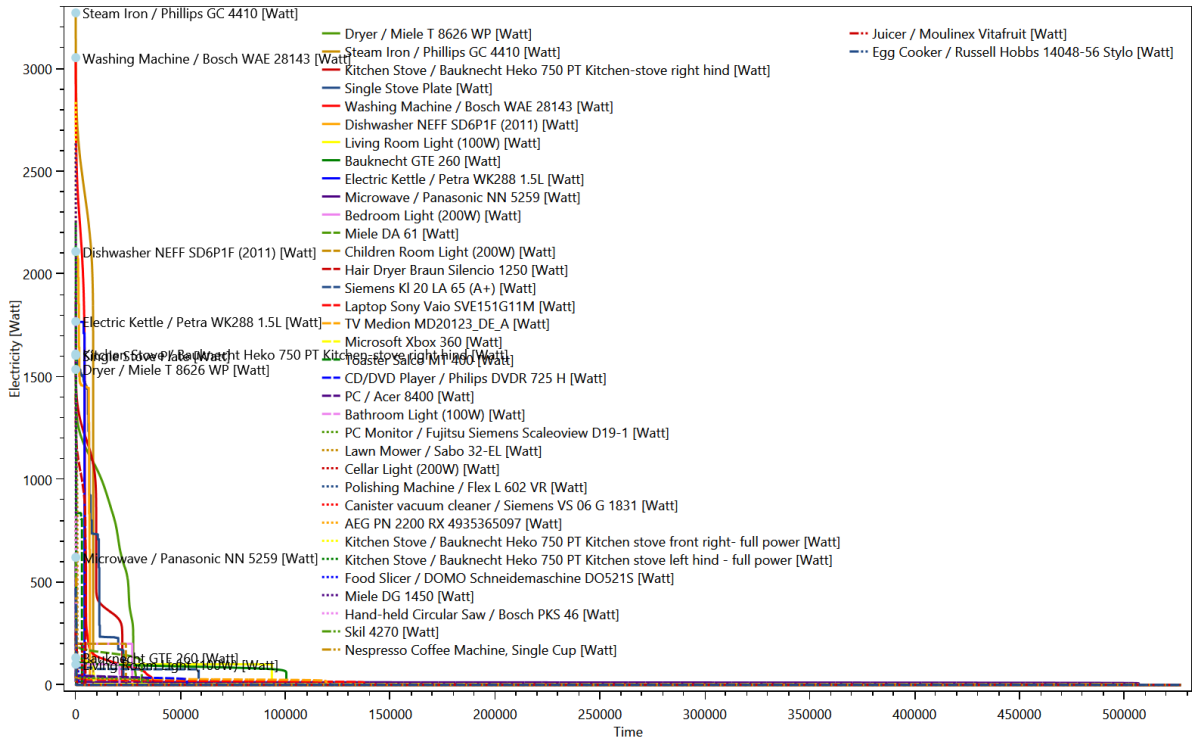
This is made from the files starting with: DeviceDurationCurves

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

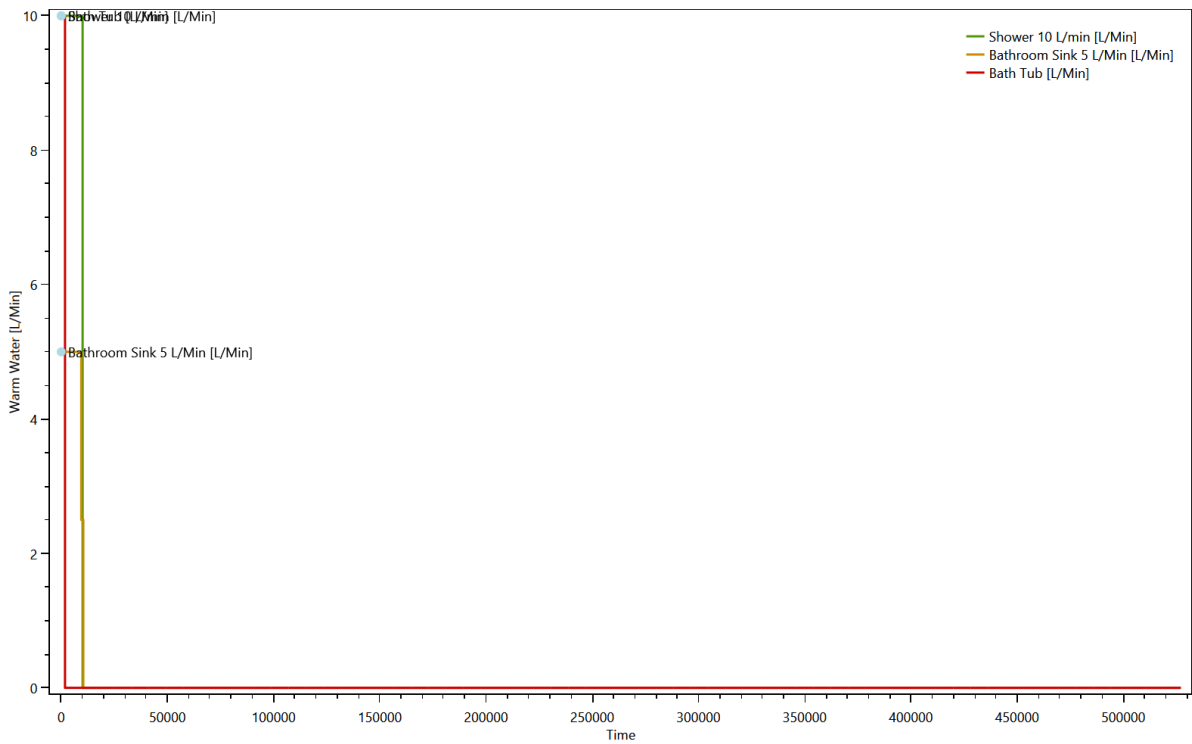
## Cold Water



## Electricity



## Warm Water

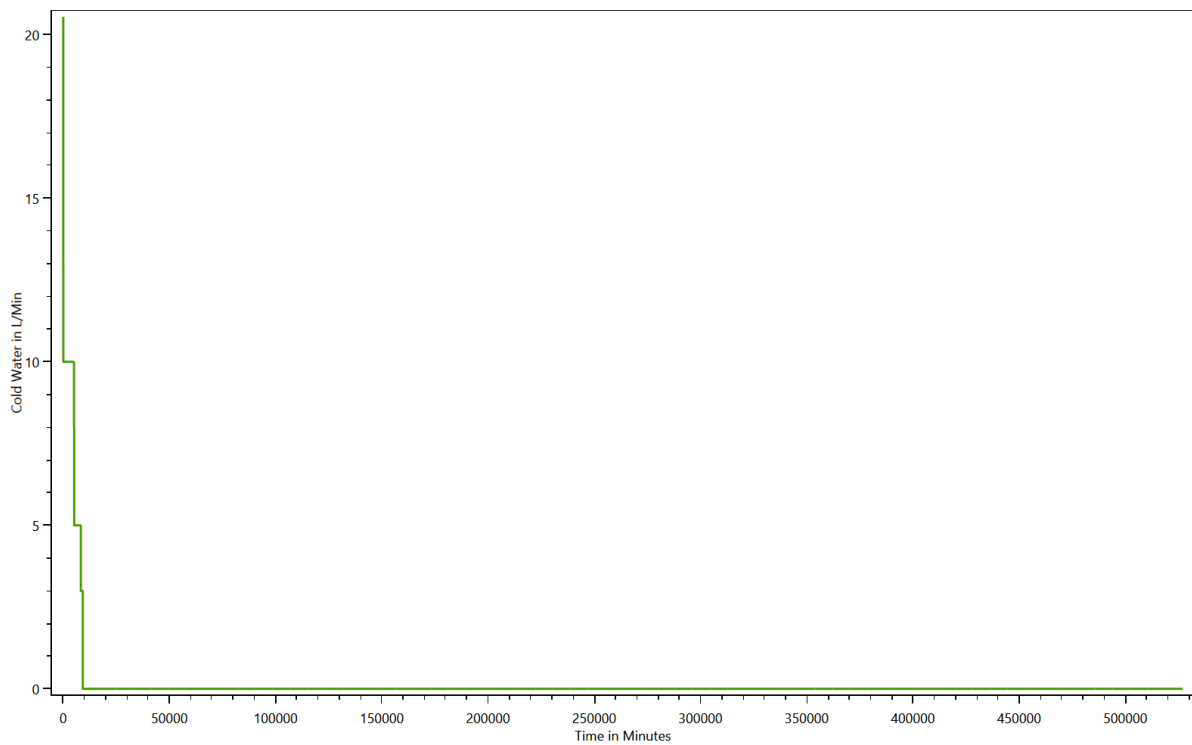


# Duration curve for each load type

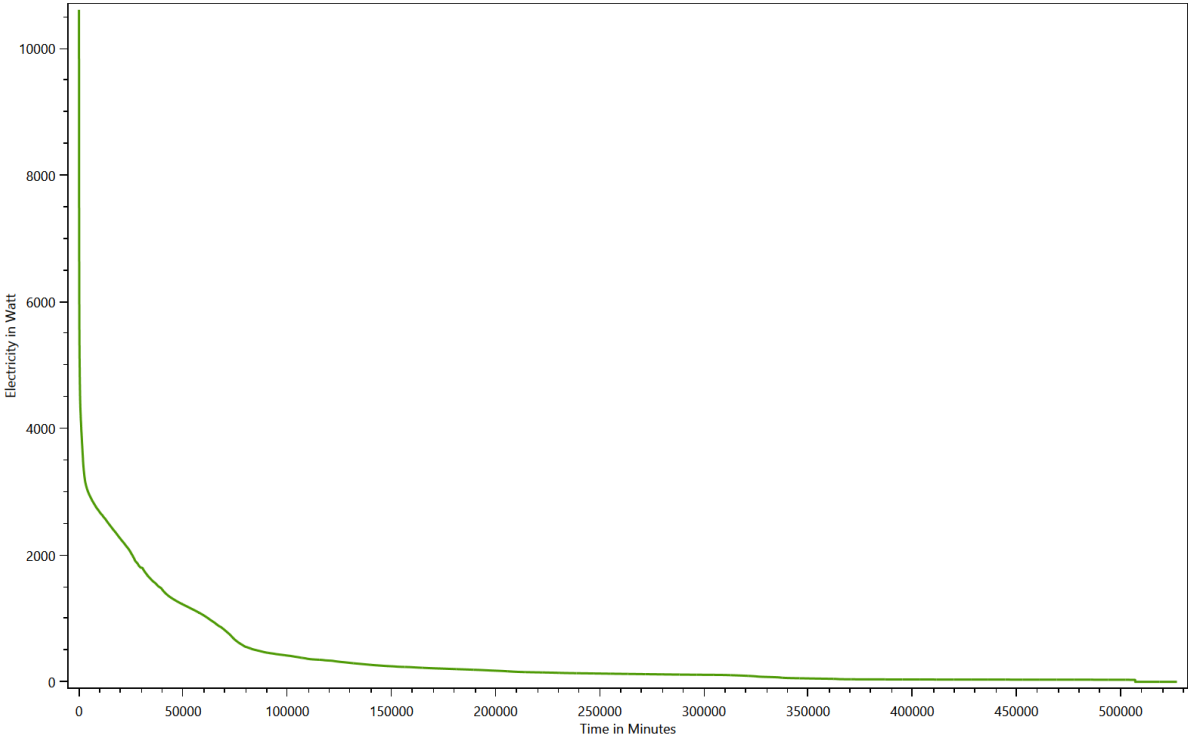
This is made from the files starting with: **DurationCurve**

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

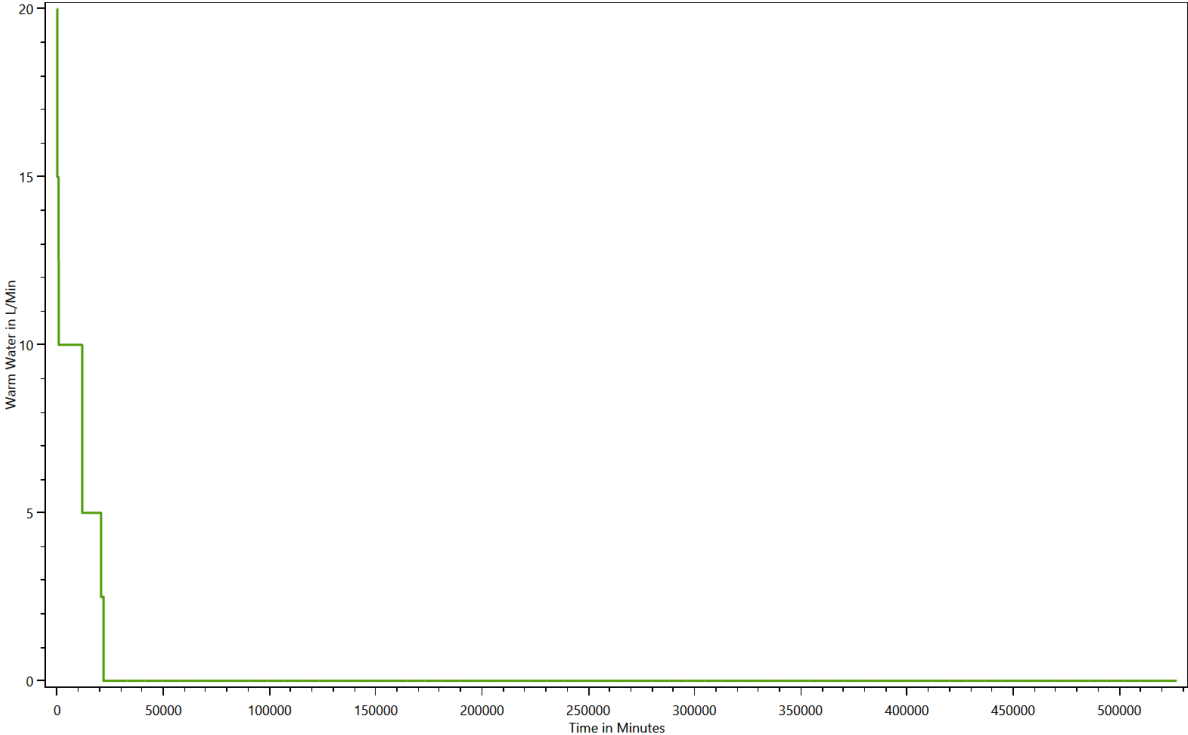
## Cold Water



# Electricity



# Warm Water



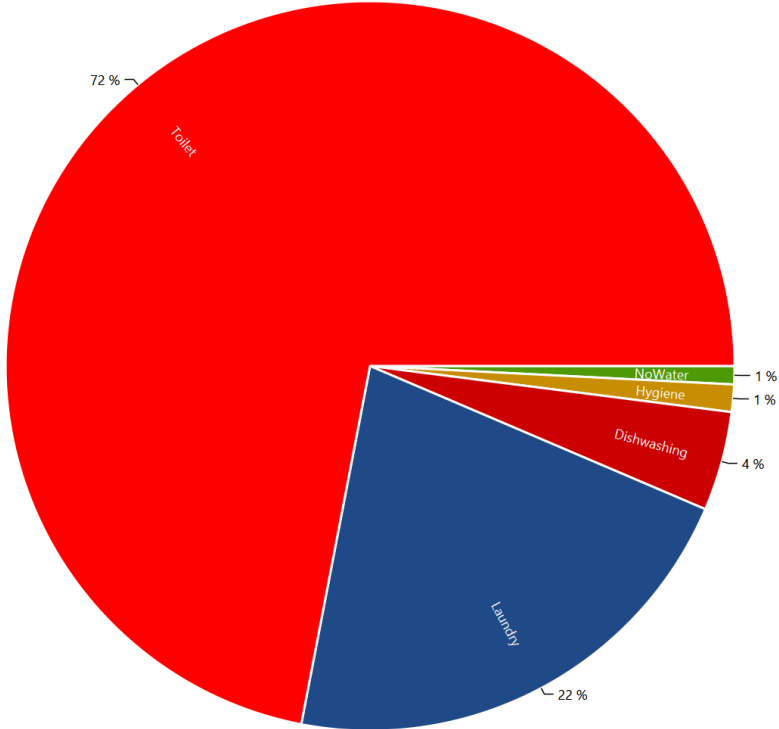


# Grouped energy use for each load type for each device

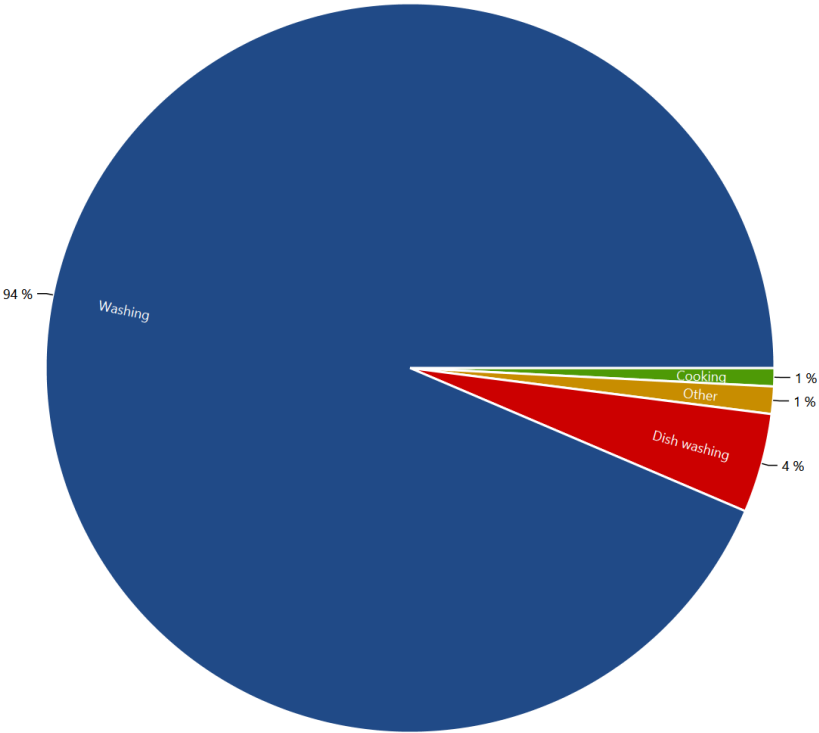
This is made from the files starting with: DeviceTaggingSet

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

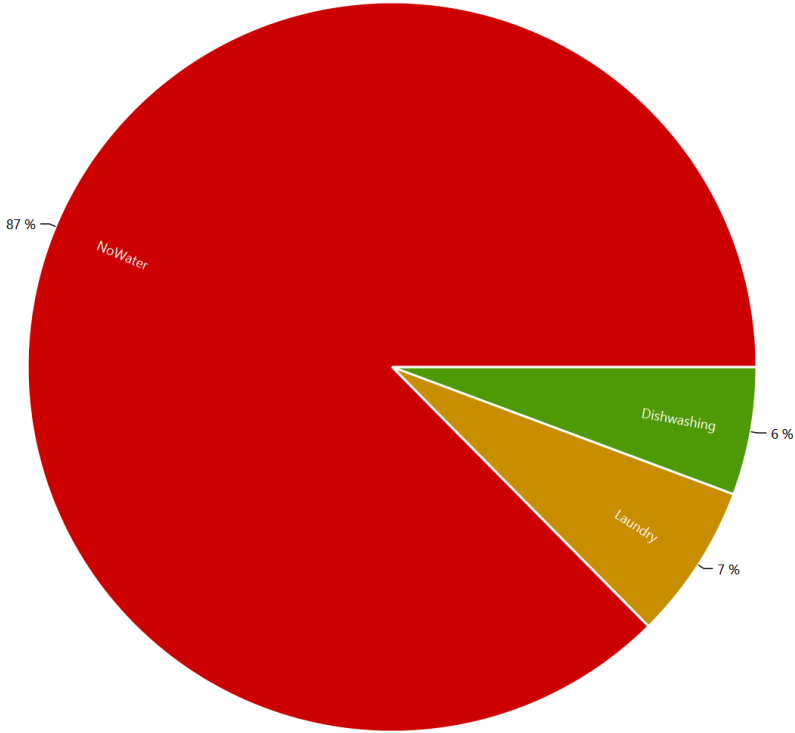
## HH0 - Destatis Water Usage Statistics - Cold Water



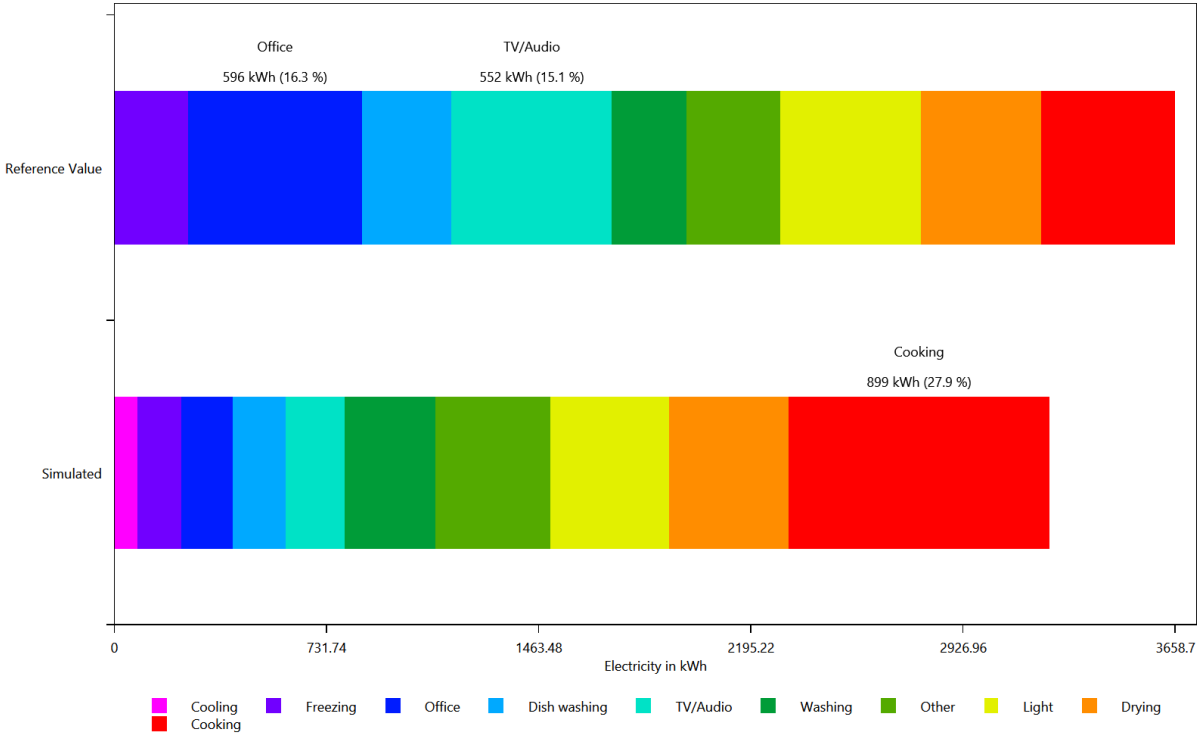
HH0 - Energieagentur - Cold Water



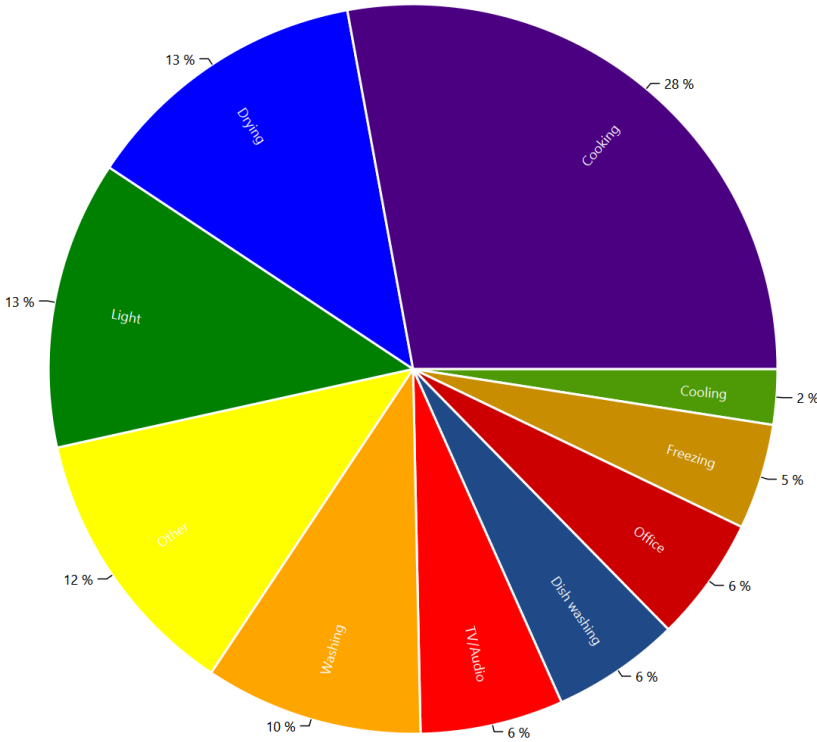
HH0 - Destatis Water Usage Statistics - Electricity



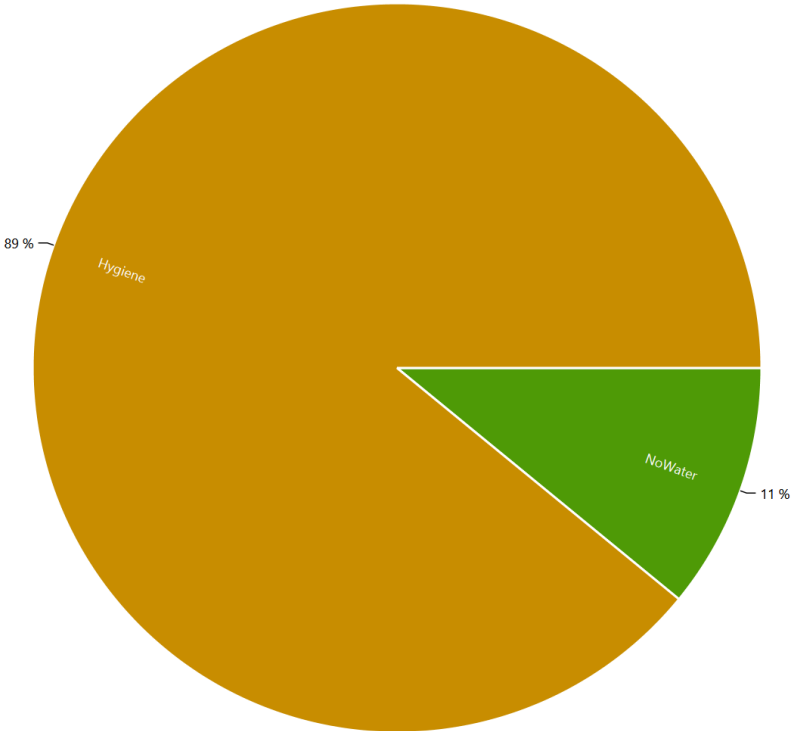
# HH0 - Energieagentur - Electricity



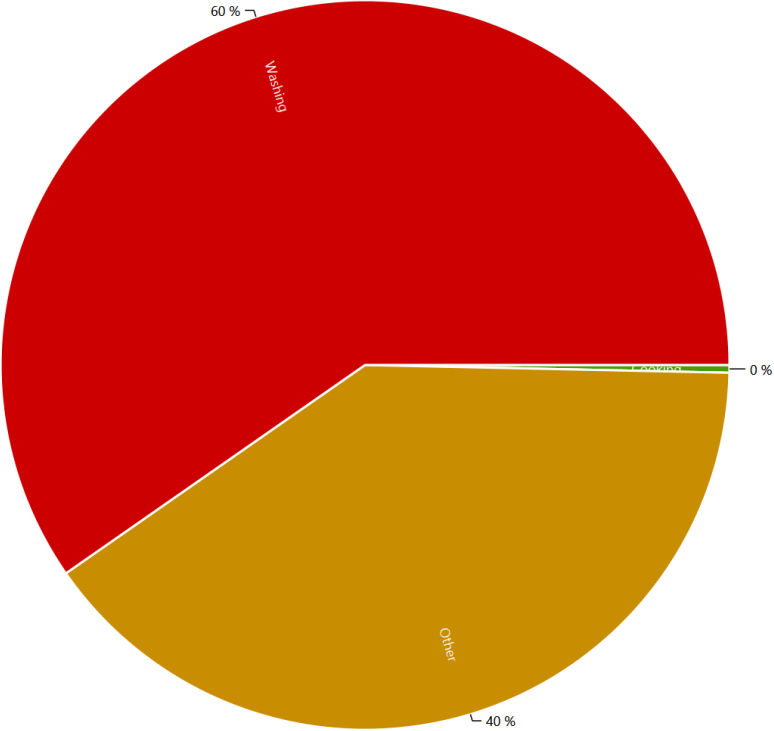
# HH0 - Energieagentur - Electricity



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

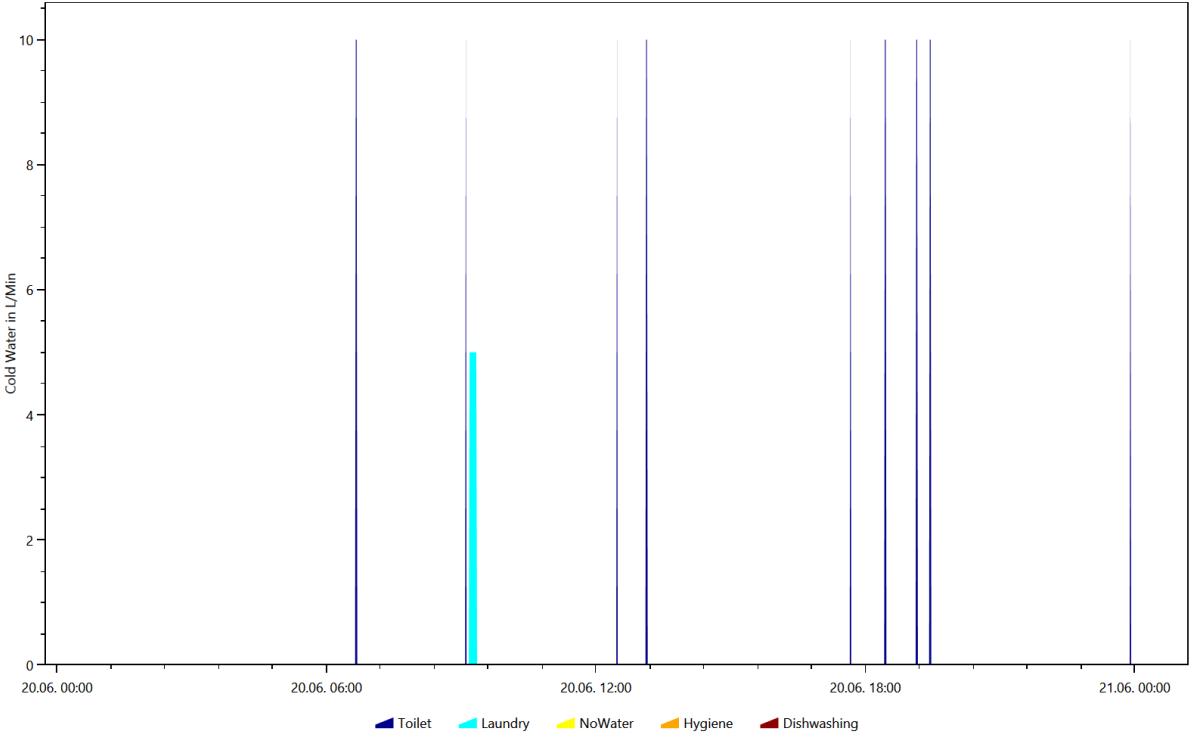


# Example of the device profiles for each load type

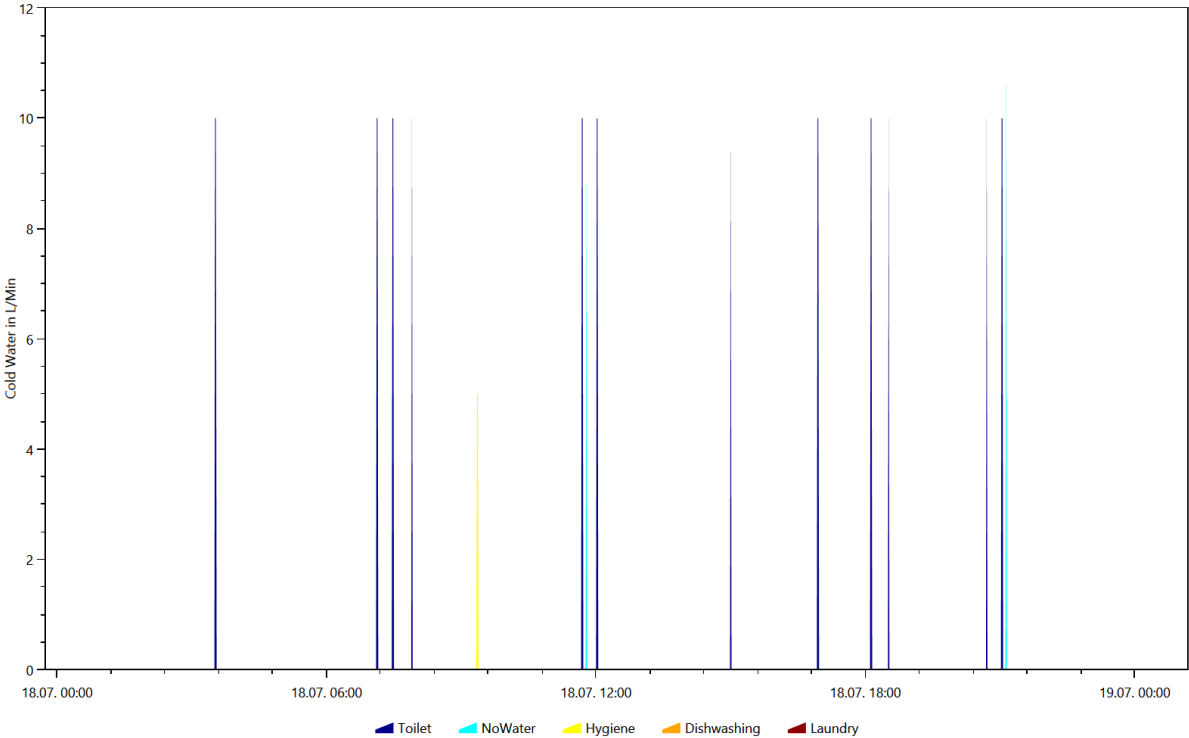
This is made from the files starting with: DeviceProfiles

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

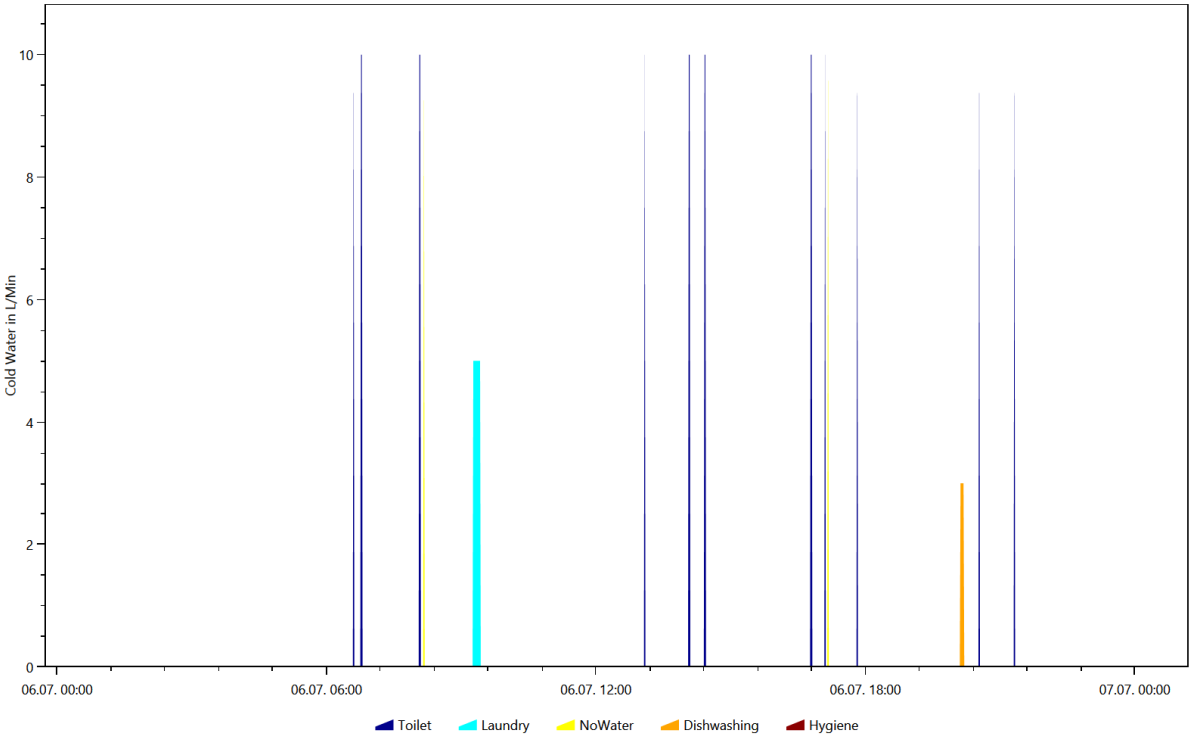
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.20



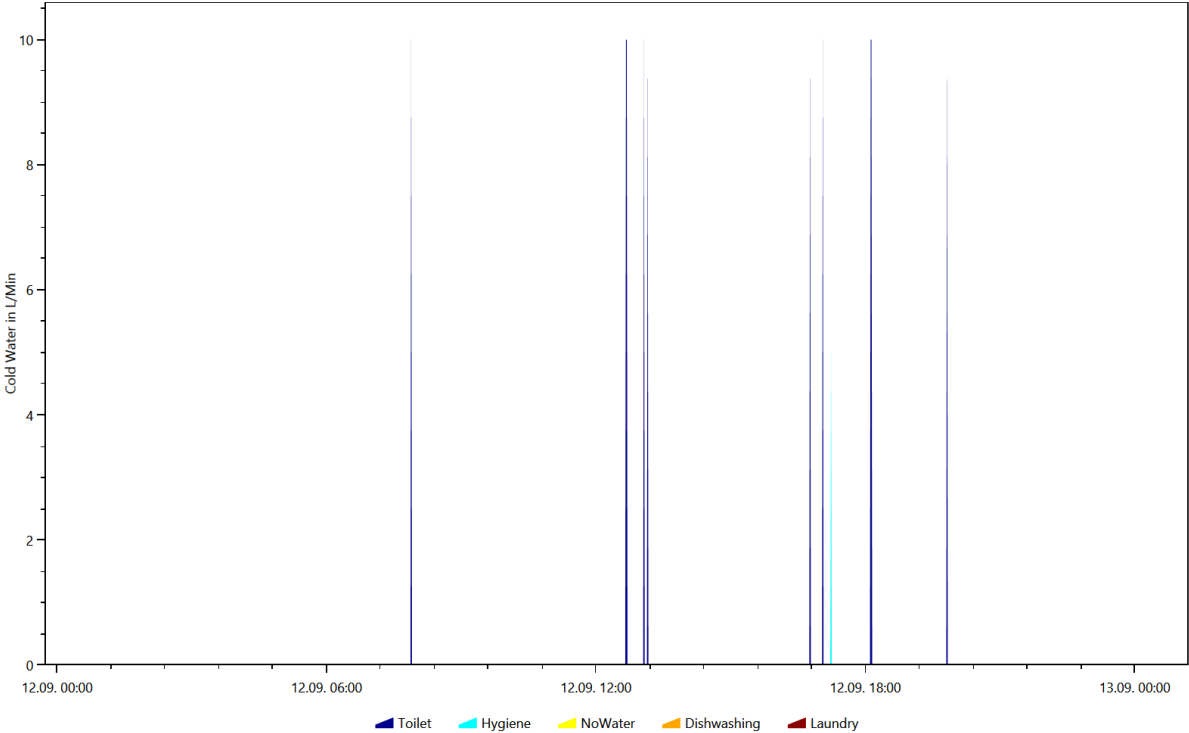
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.18



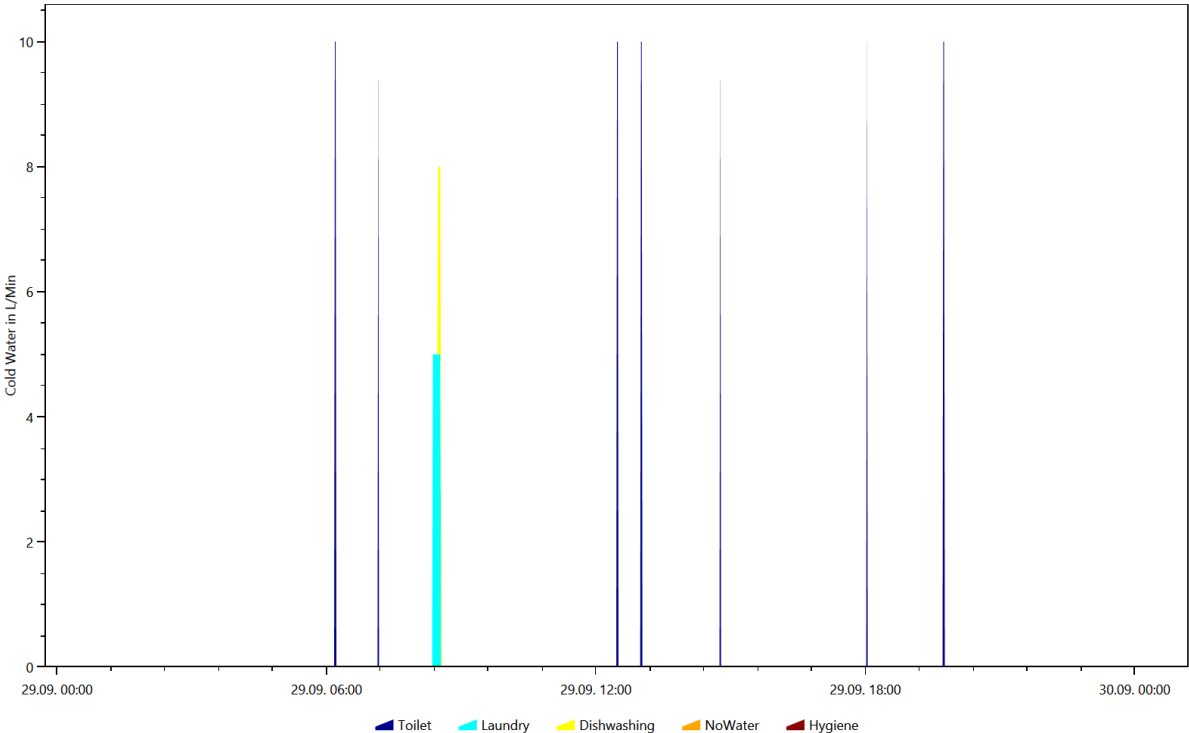
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.6



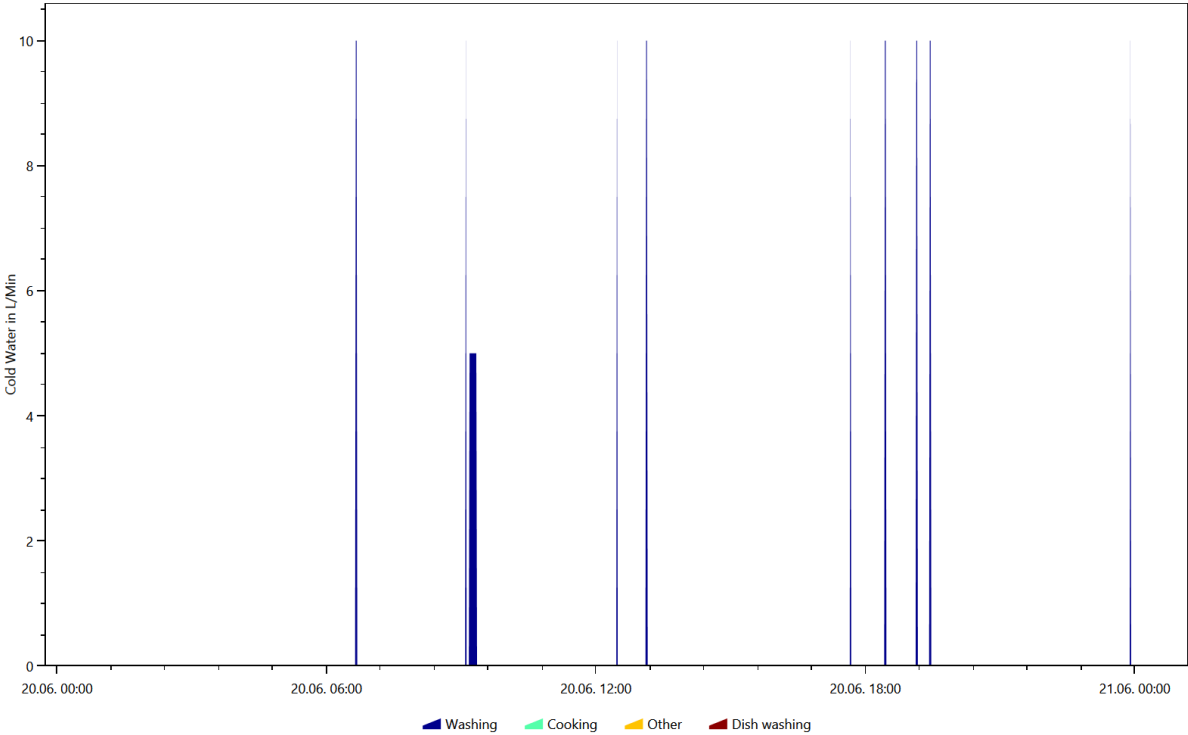
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.12



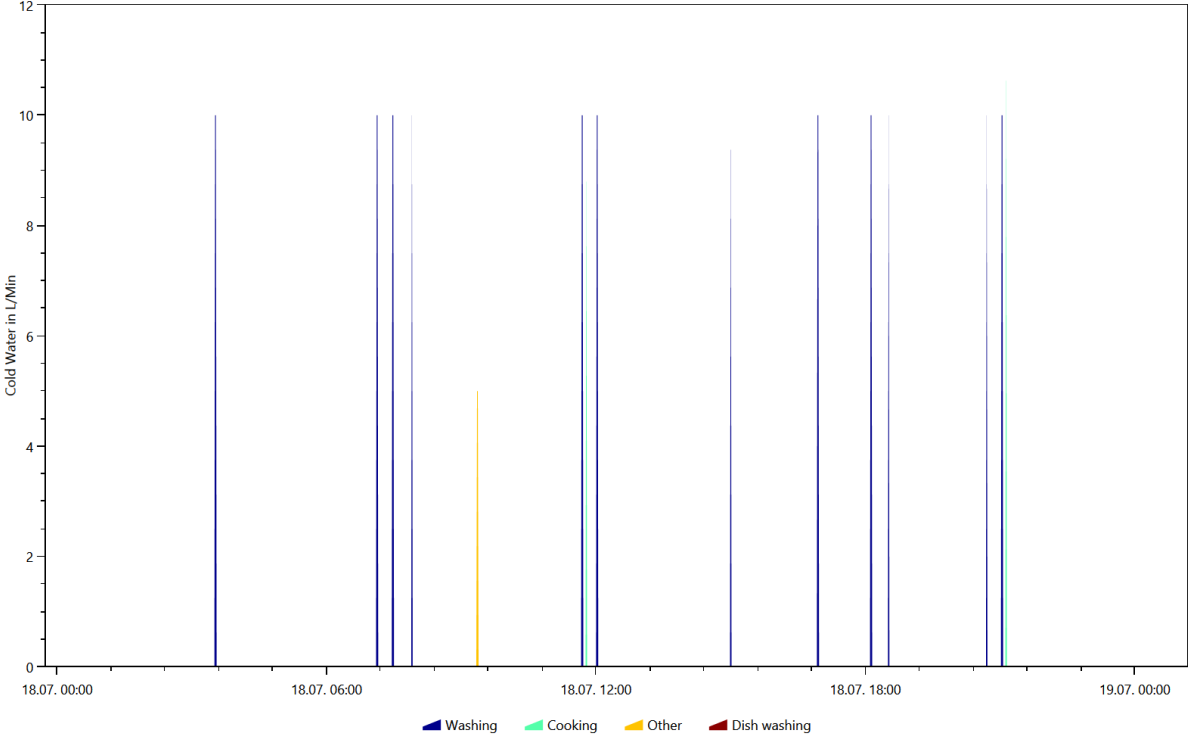
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.29



Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.20

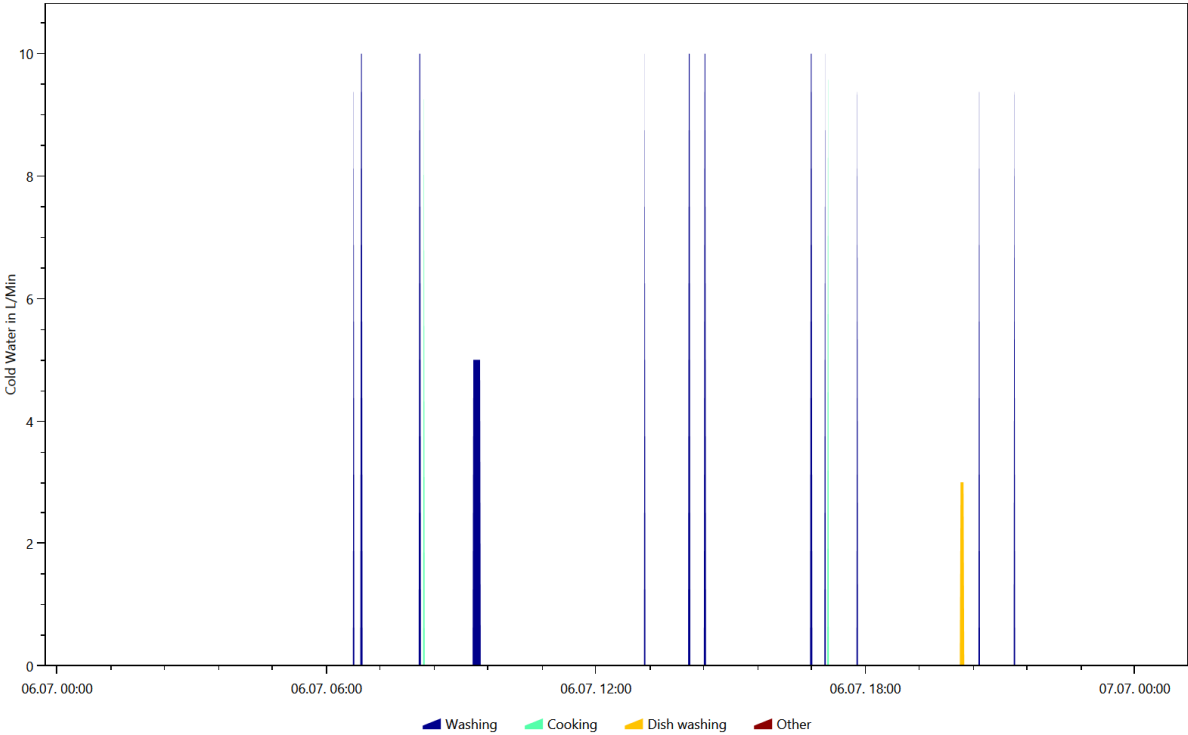


Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.18

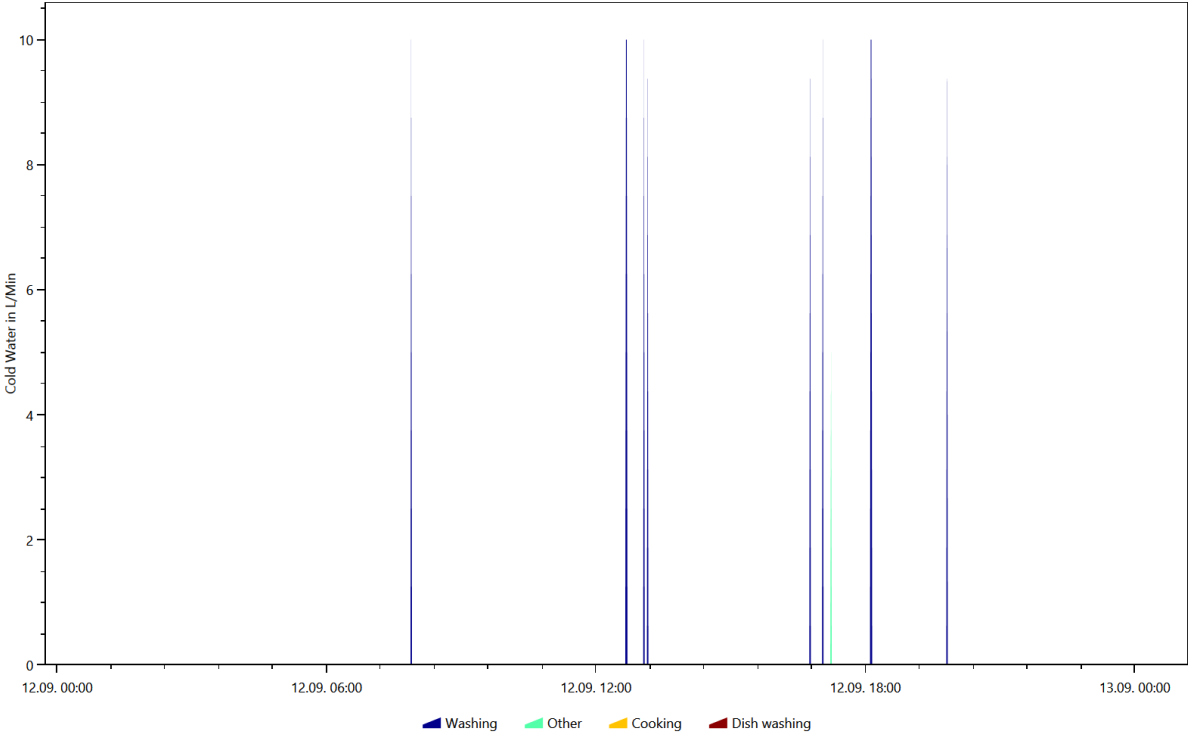




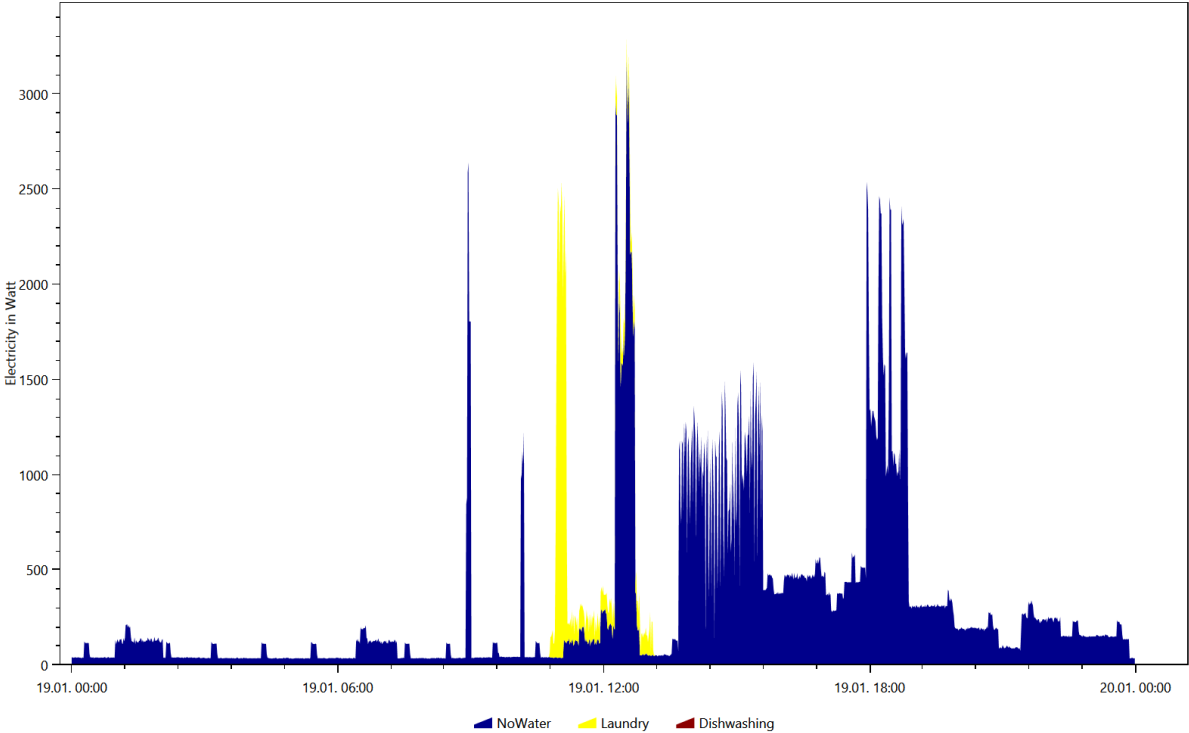
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.6



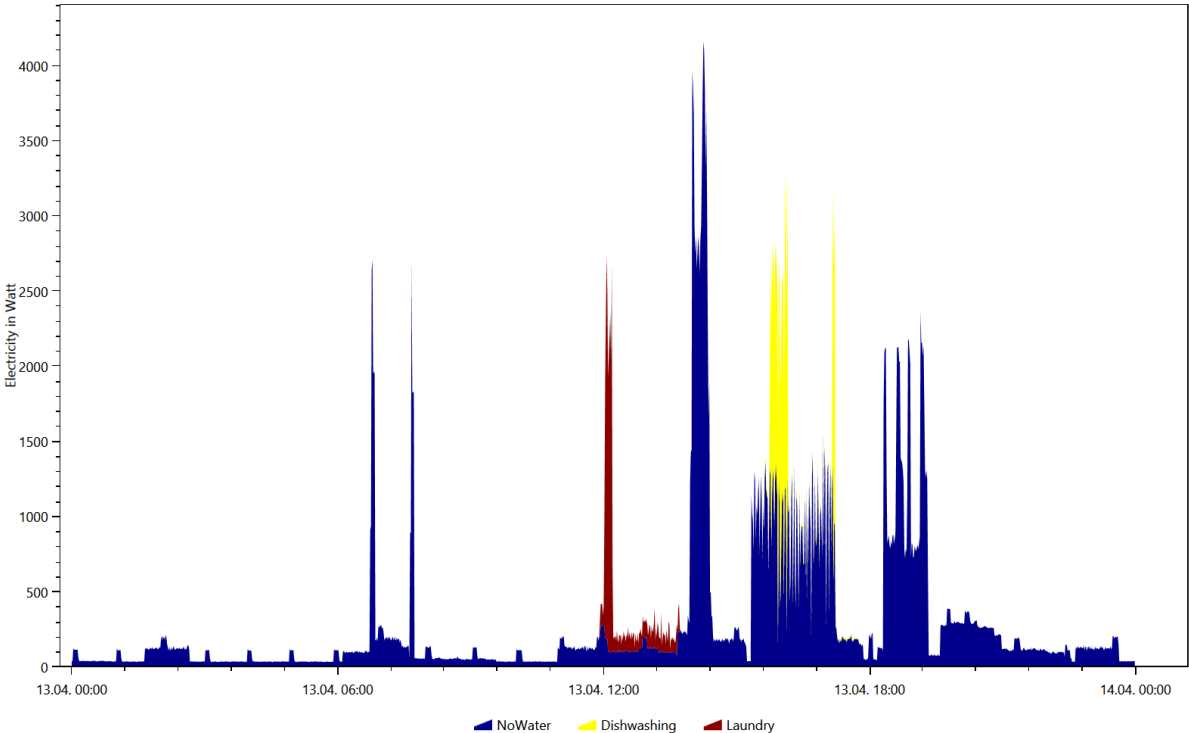
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.12



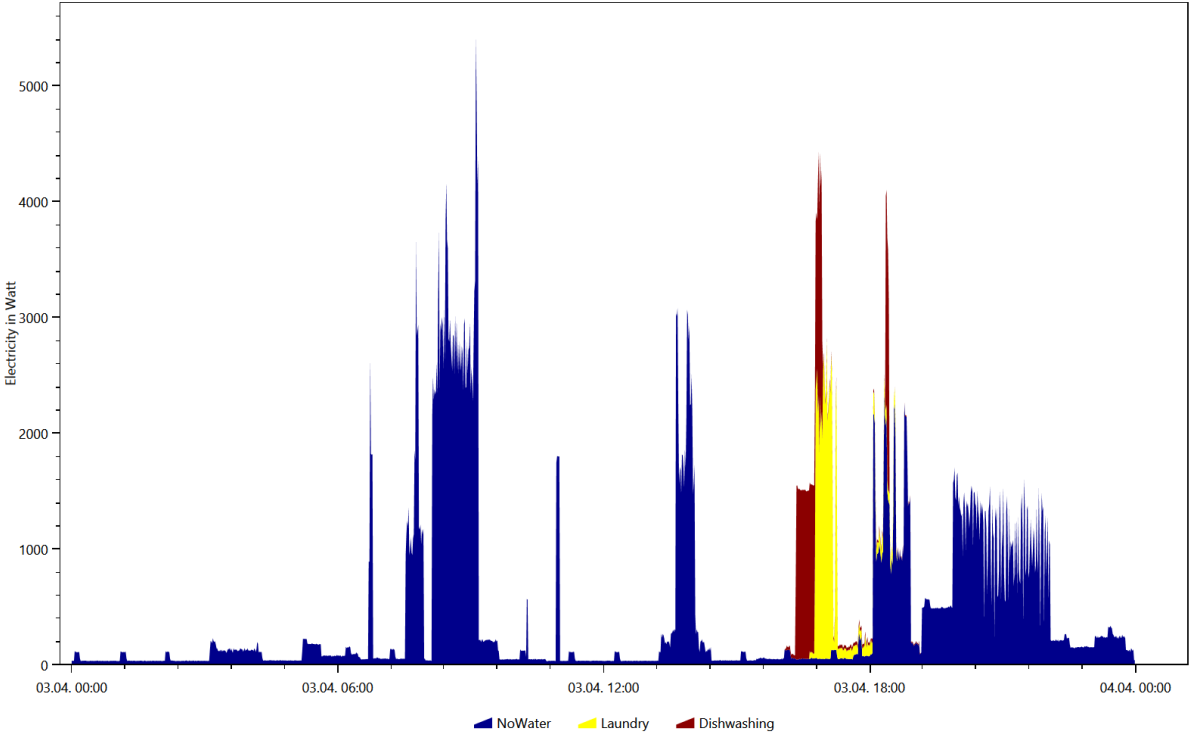
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.19



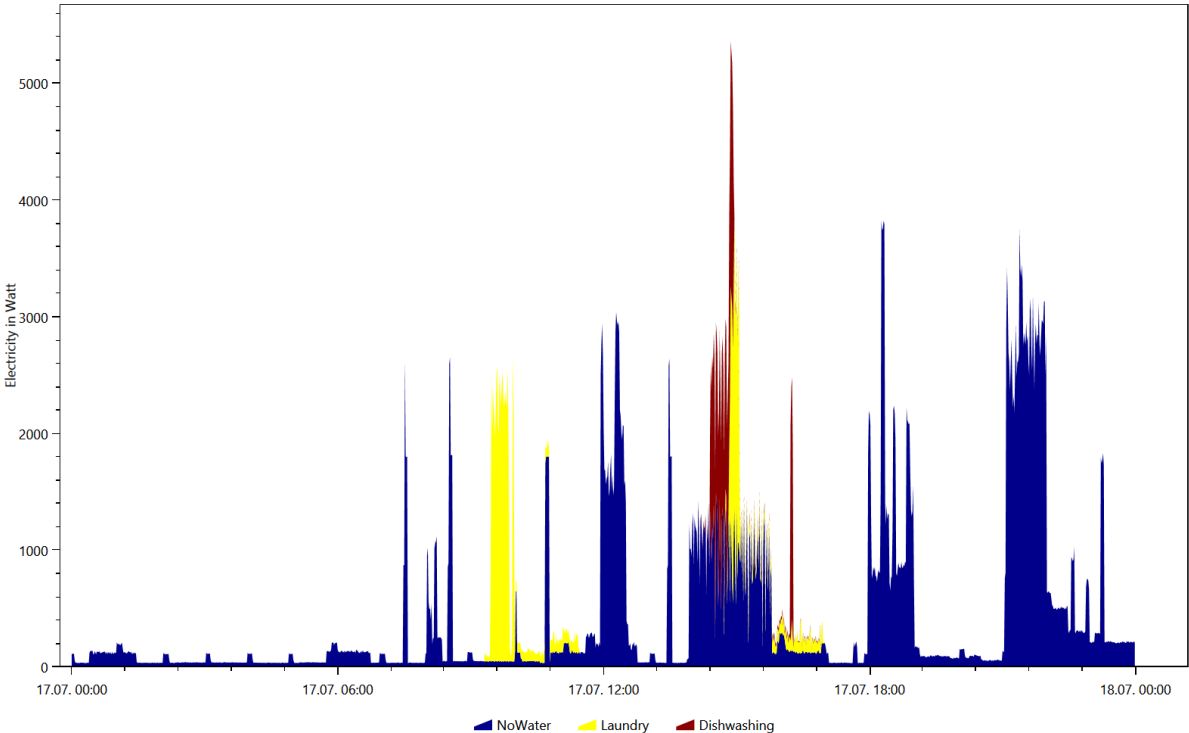
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.13



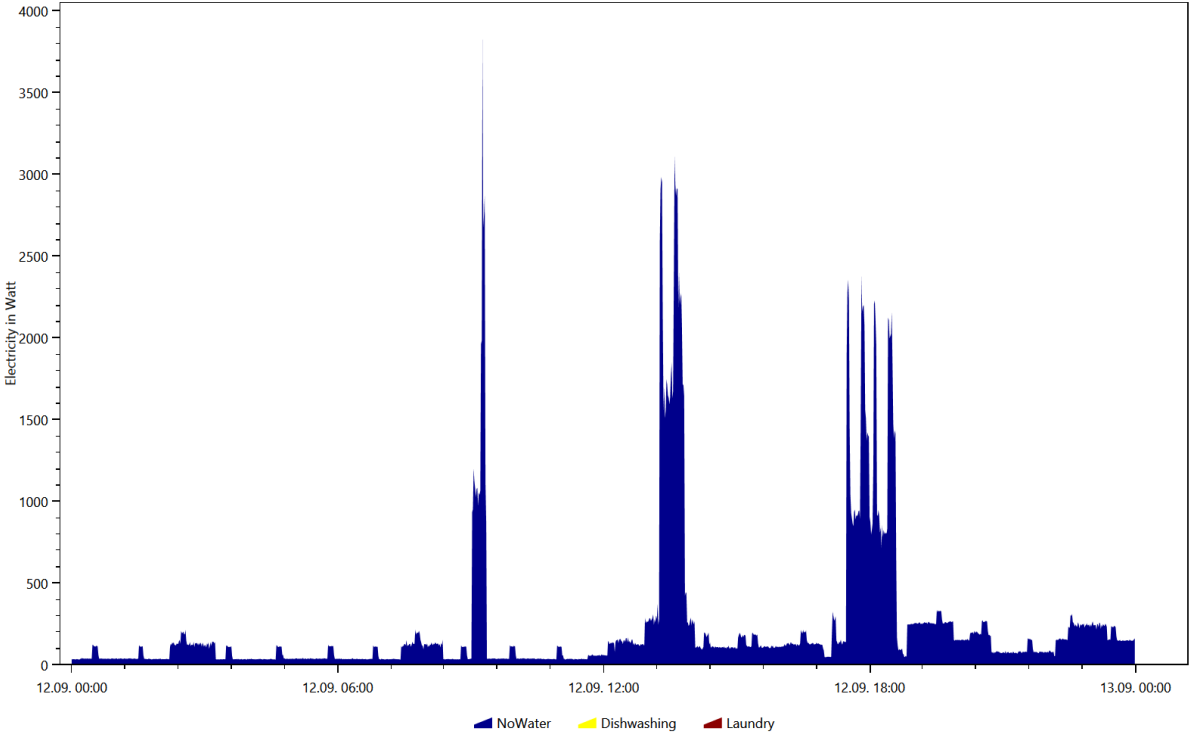
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.3



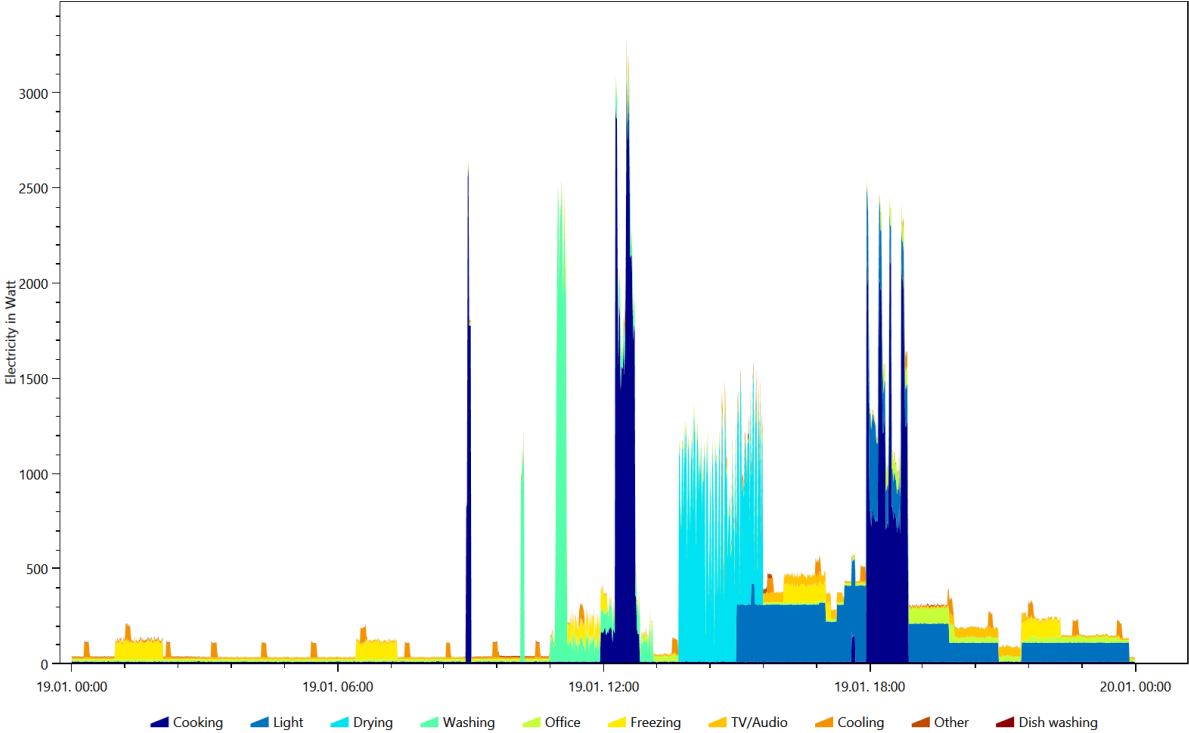
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.17



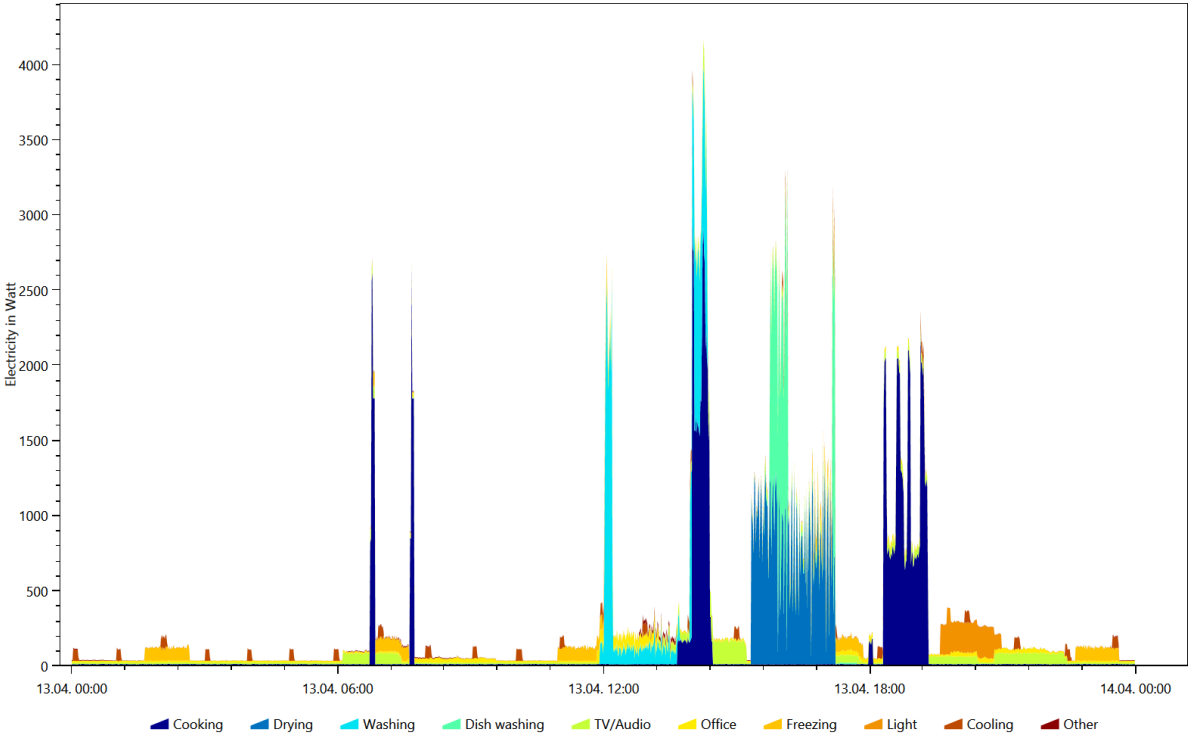
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.12



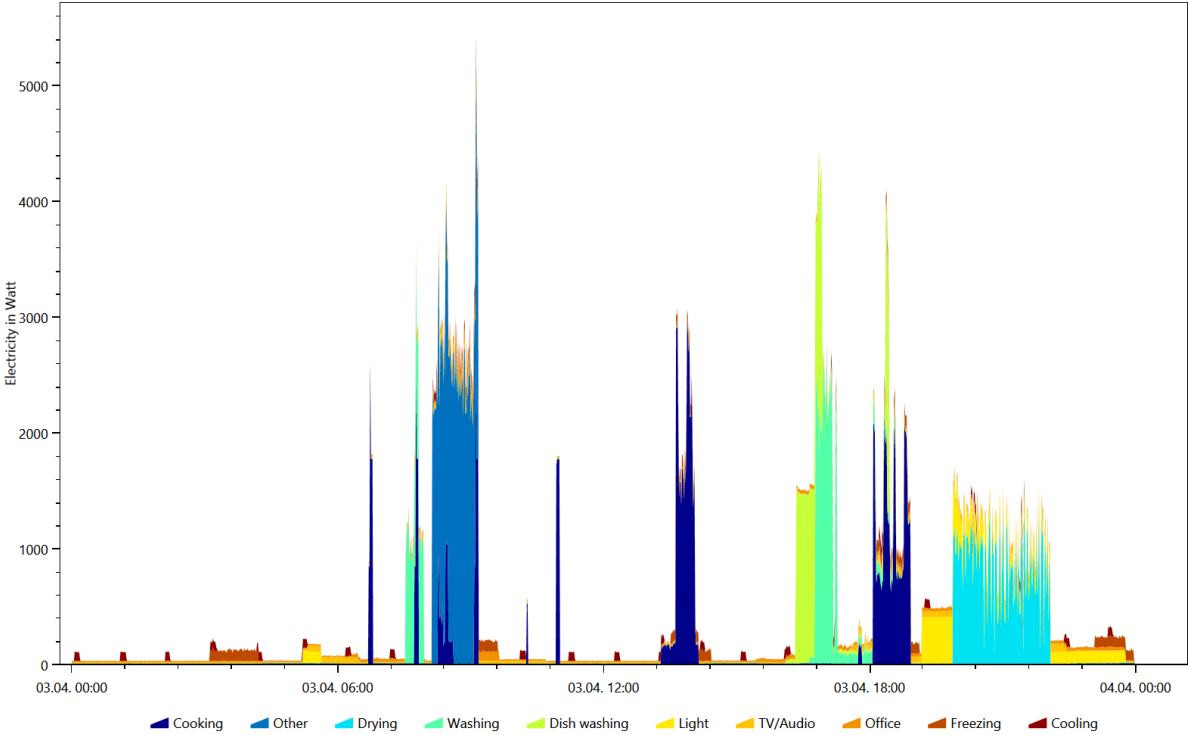
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.19



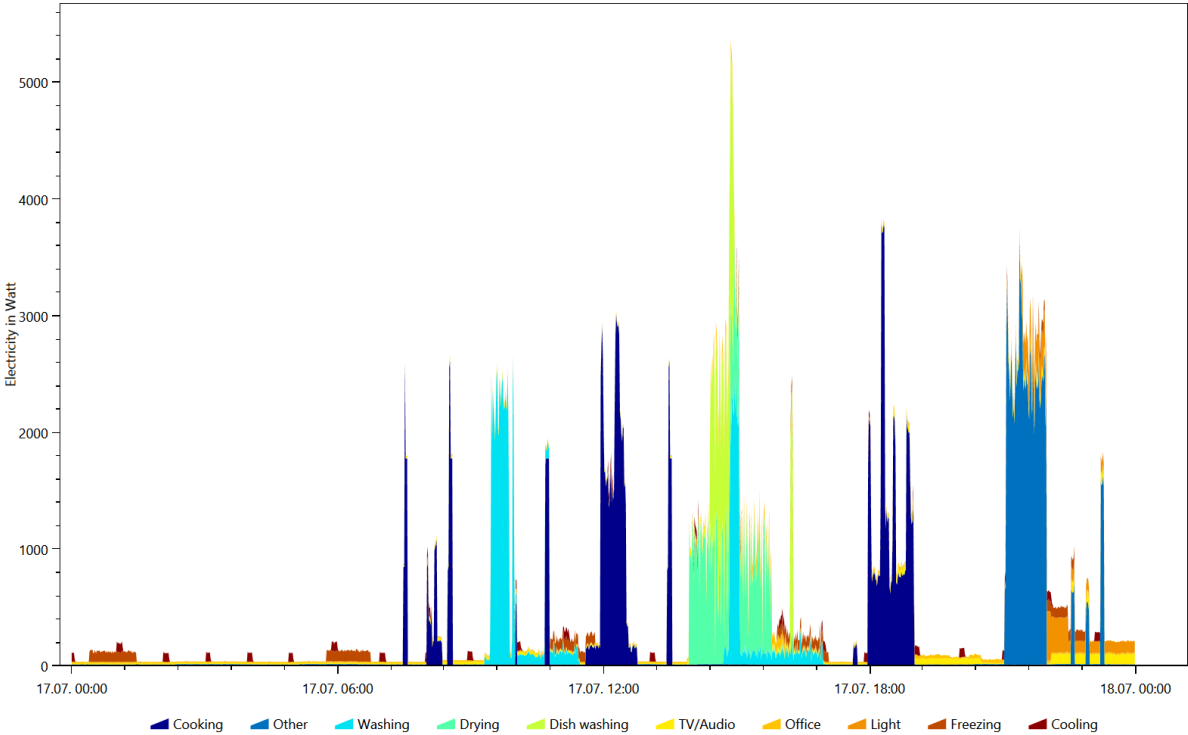
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.13



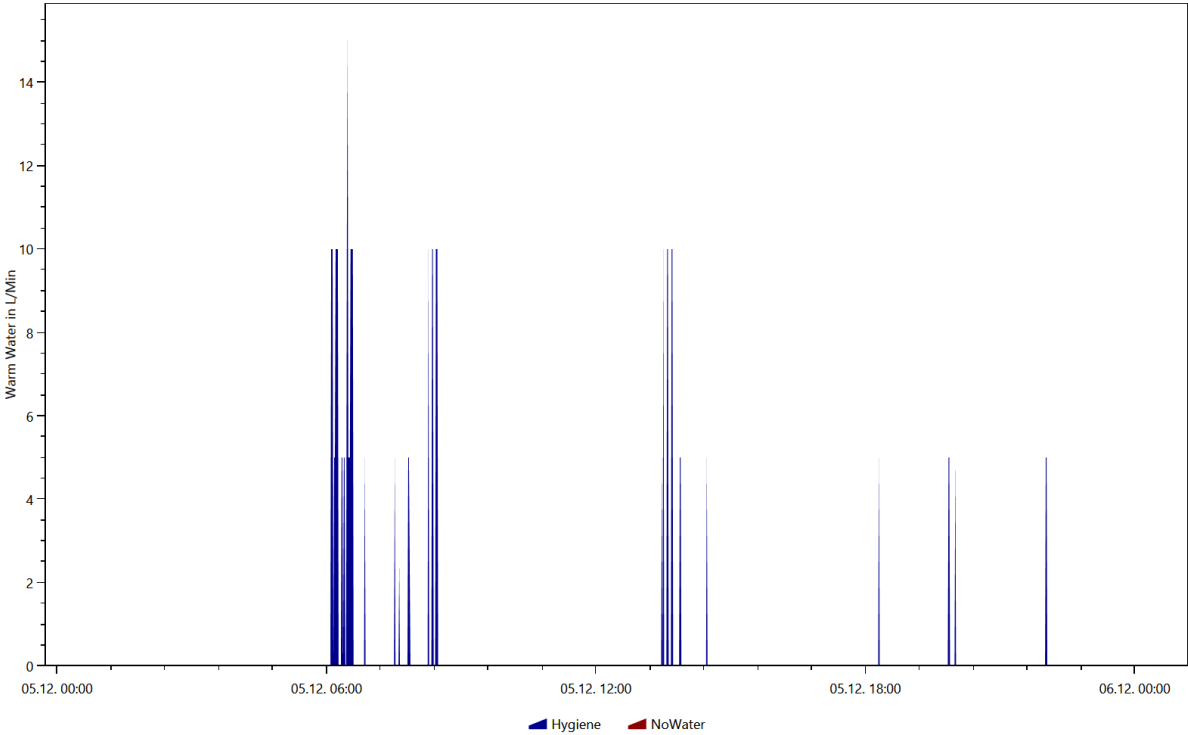
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.3



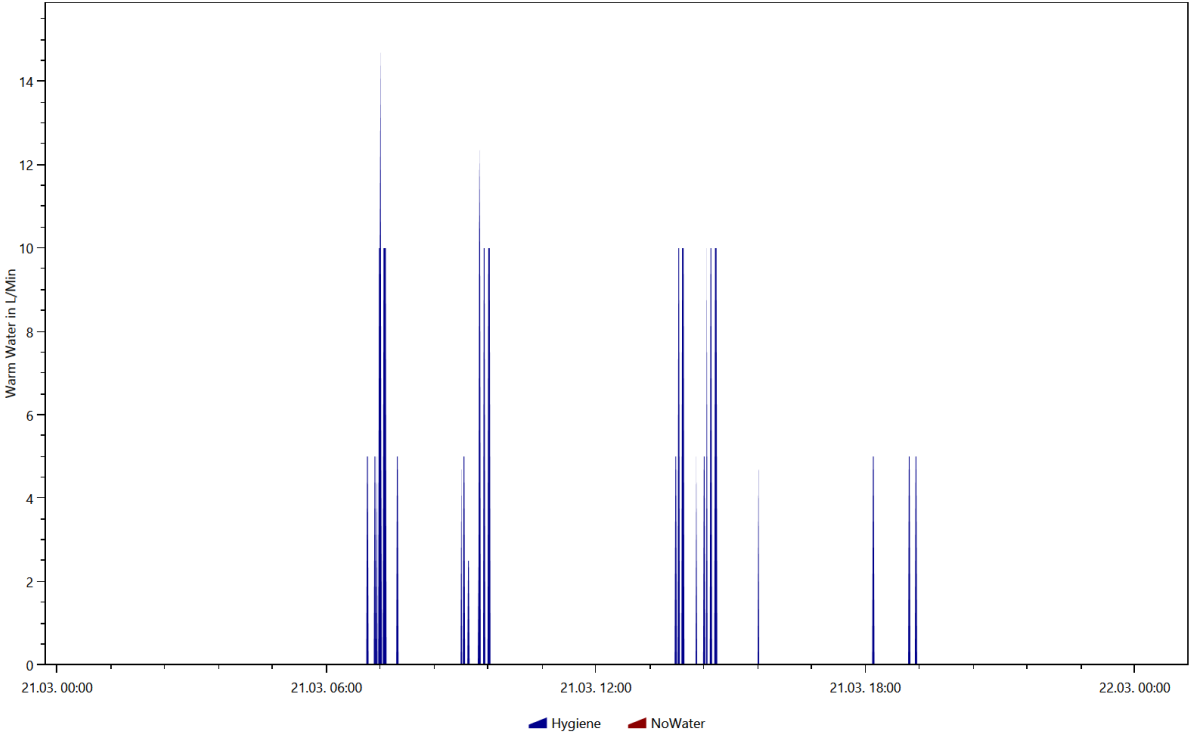
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.17



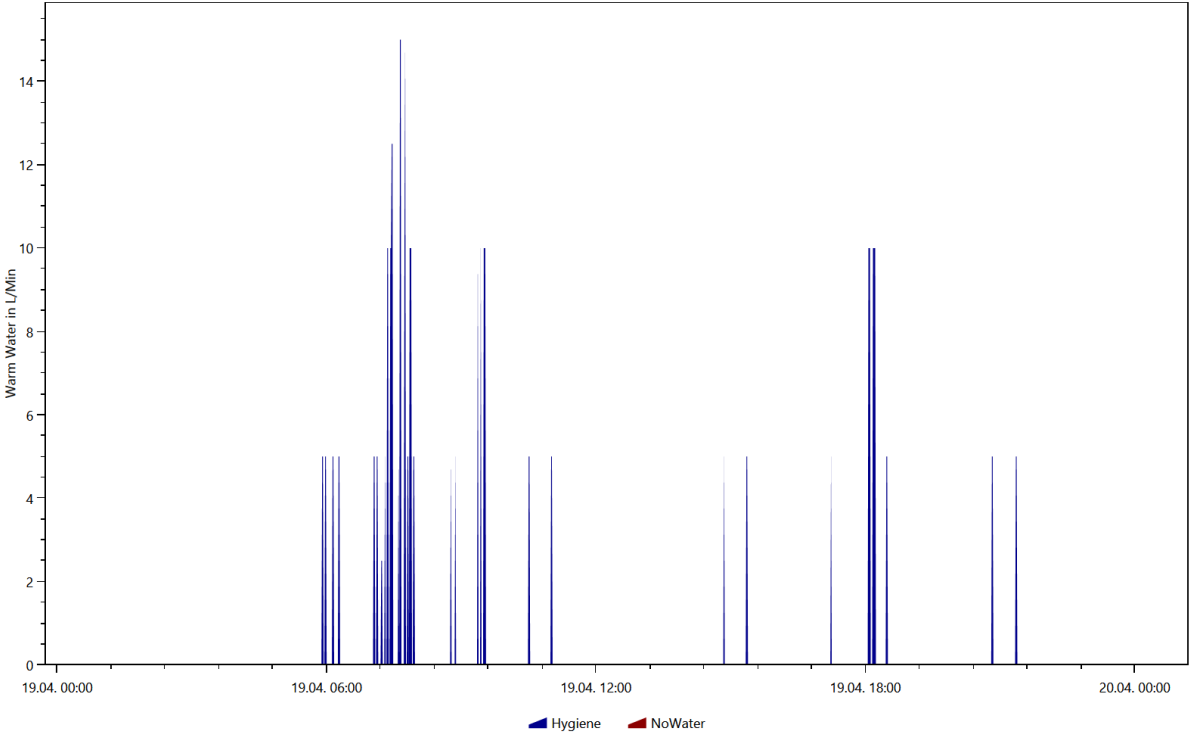
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.12.5



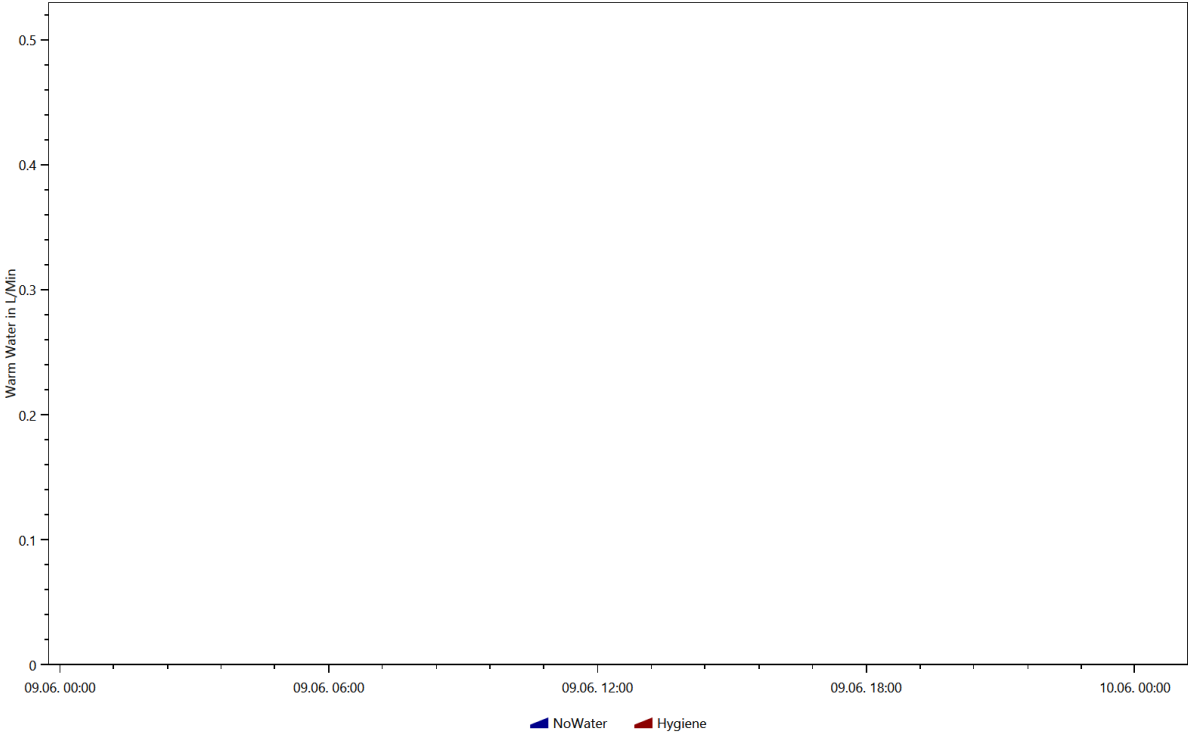
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.21



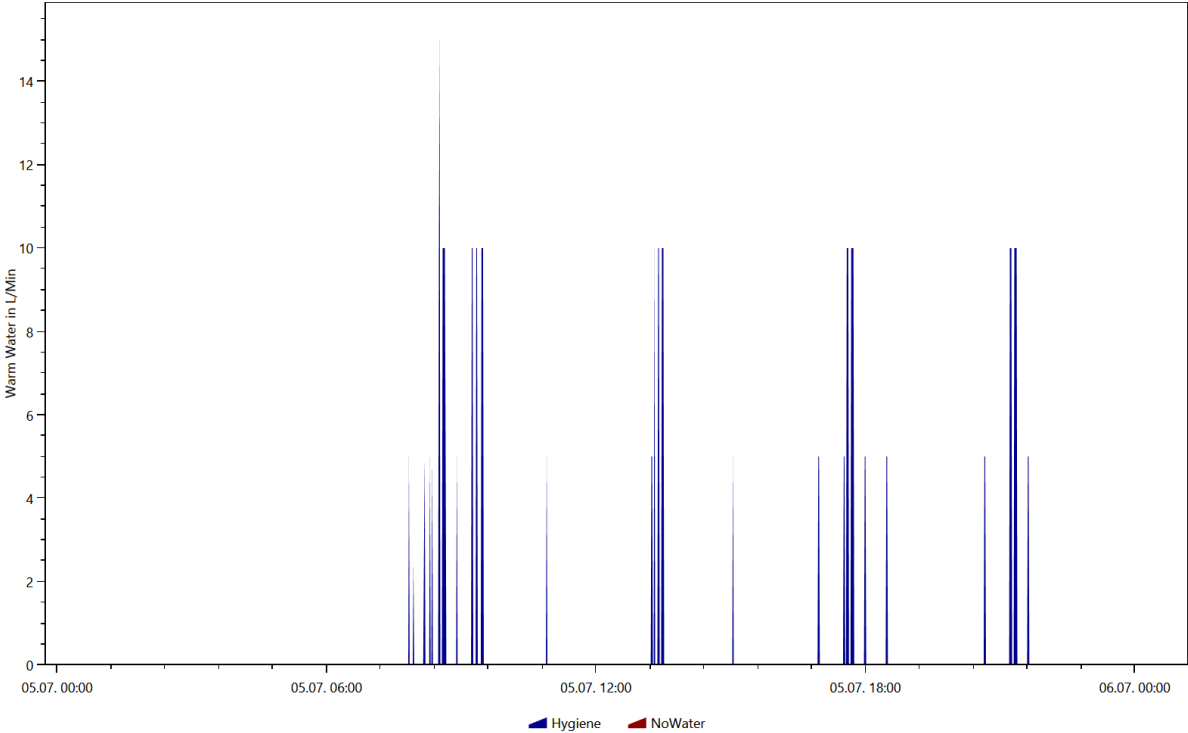
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.19



Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.9

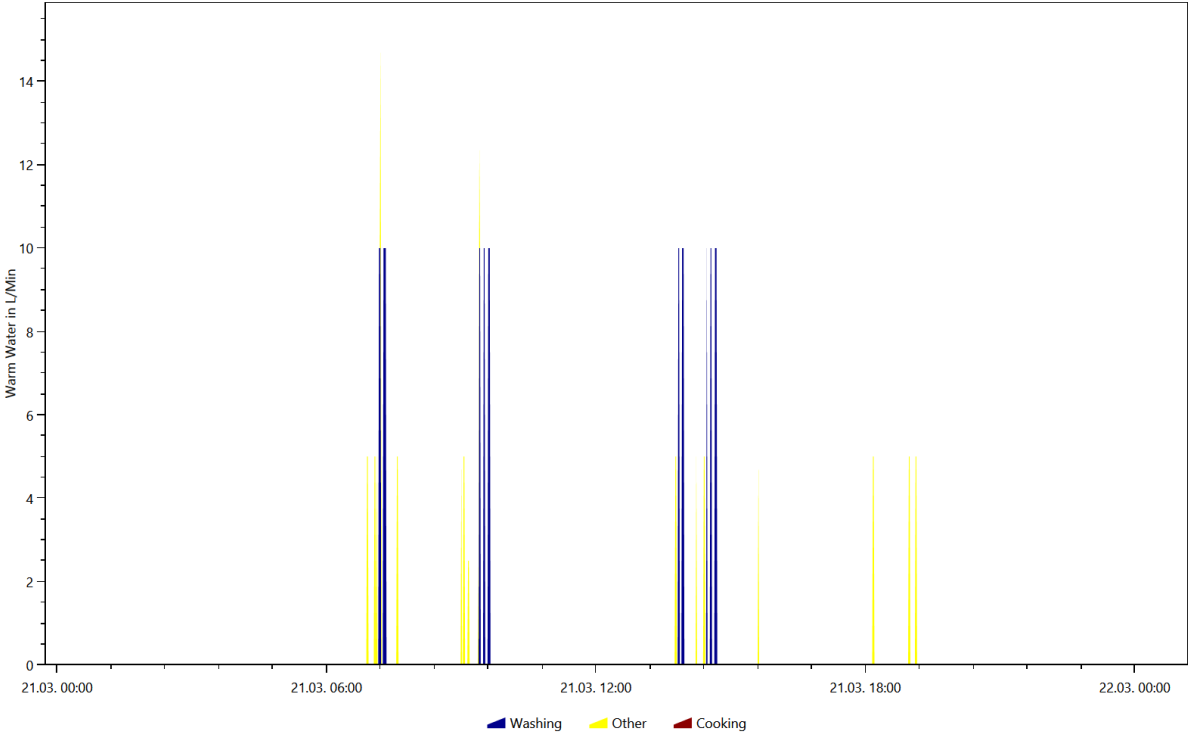


Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.5

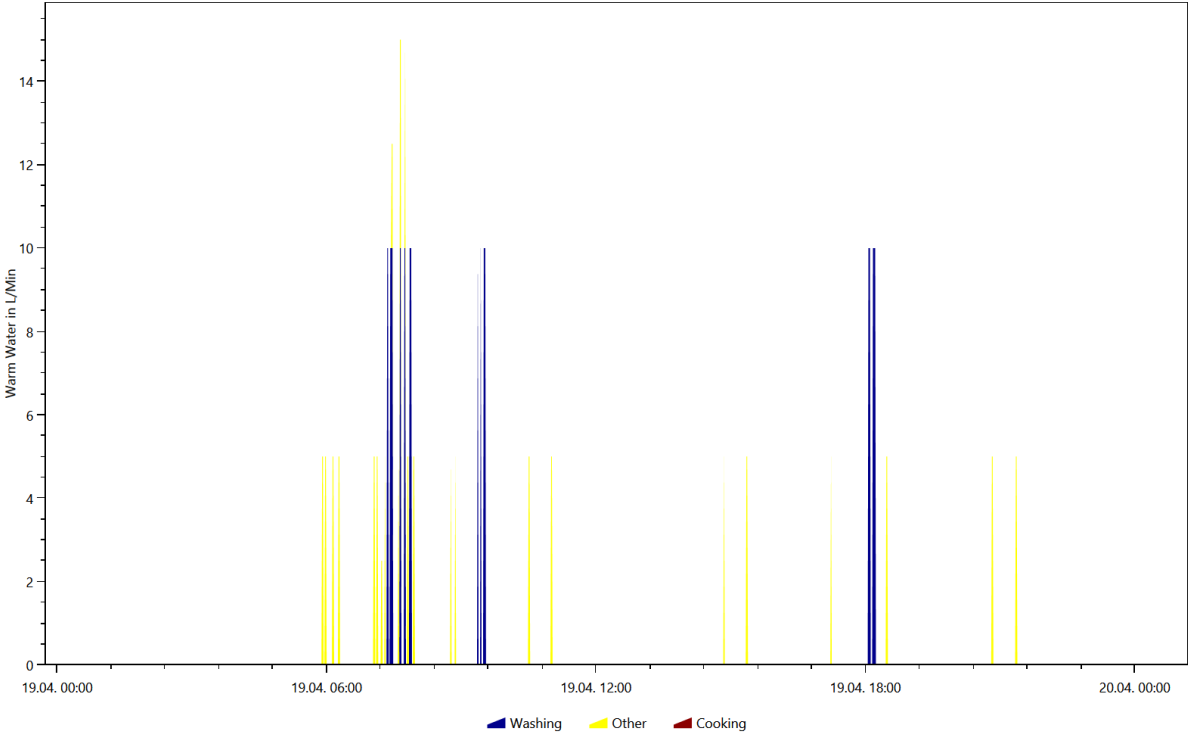




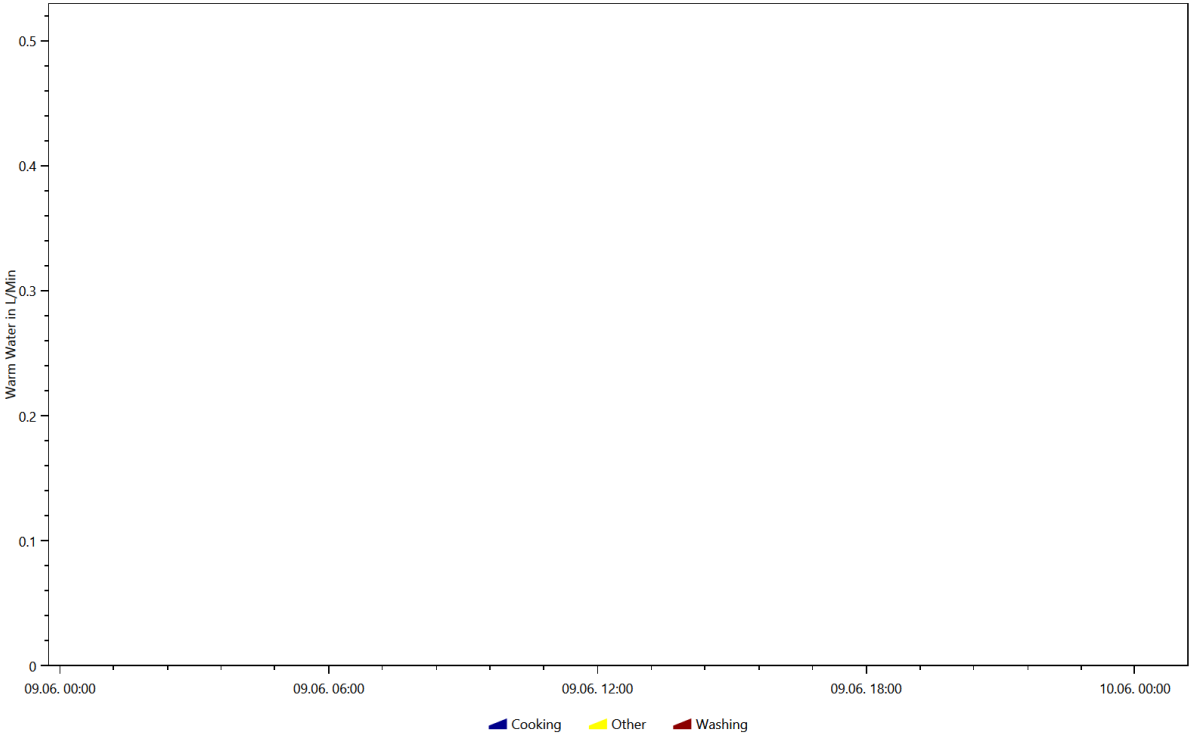
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.21



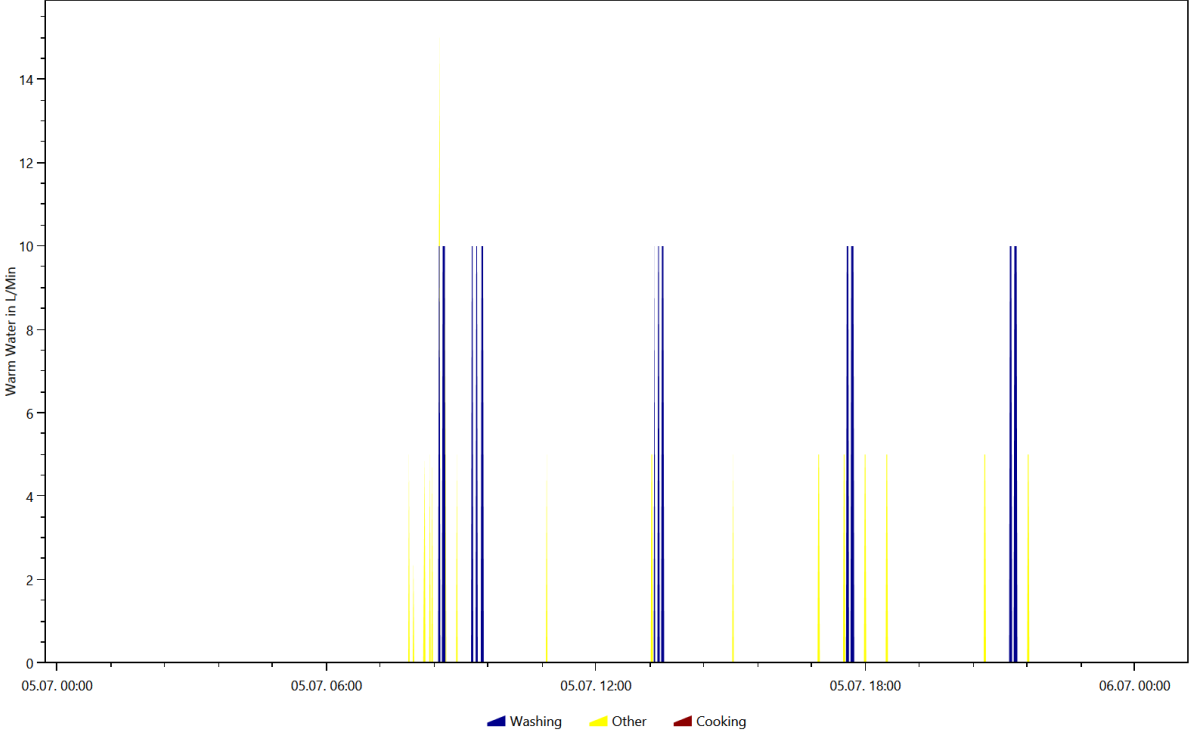
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.19



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.9



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.5

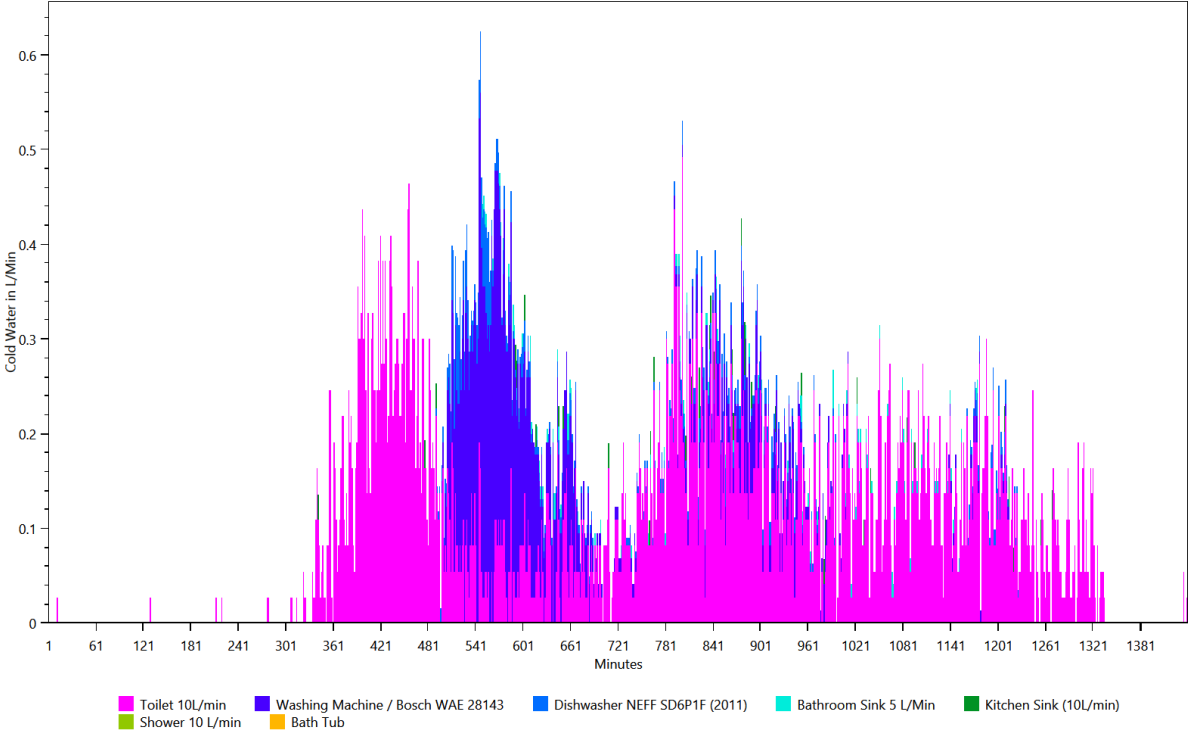


# Overview of the time and power of the use per load type per device

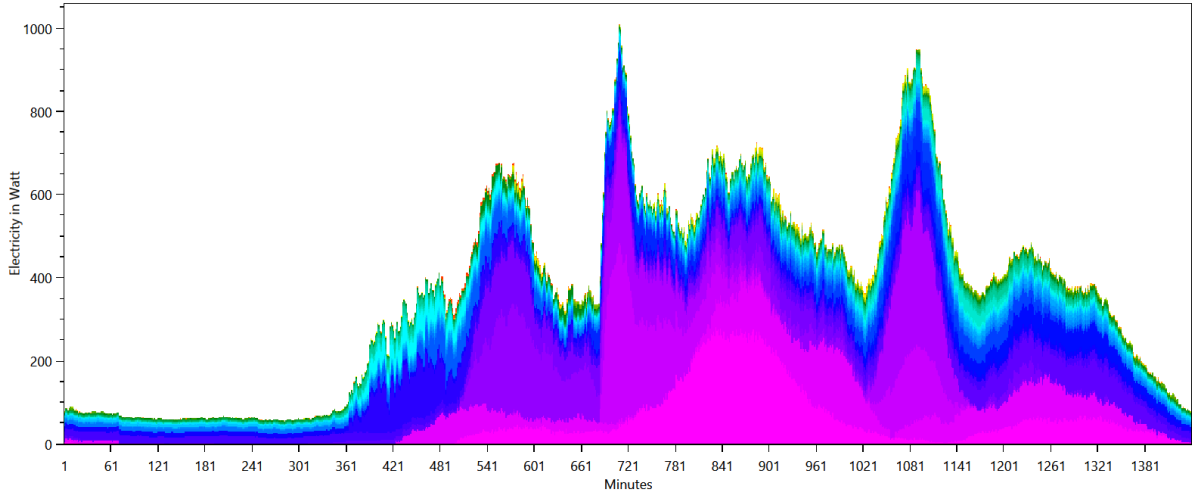
This is made from the files starting with: TimeOfUseEnergyProfiles

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

## Cold Water

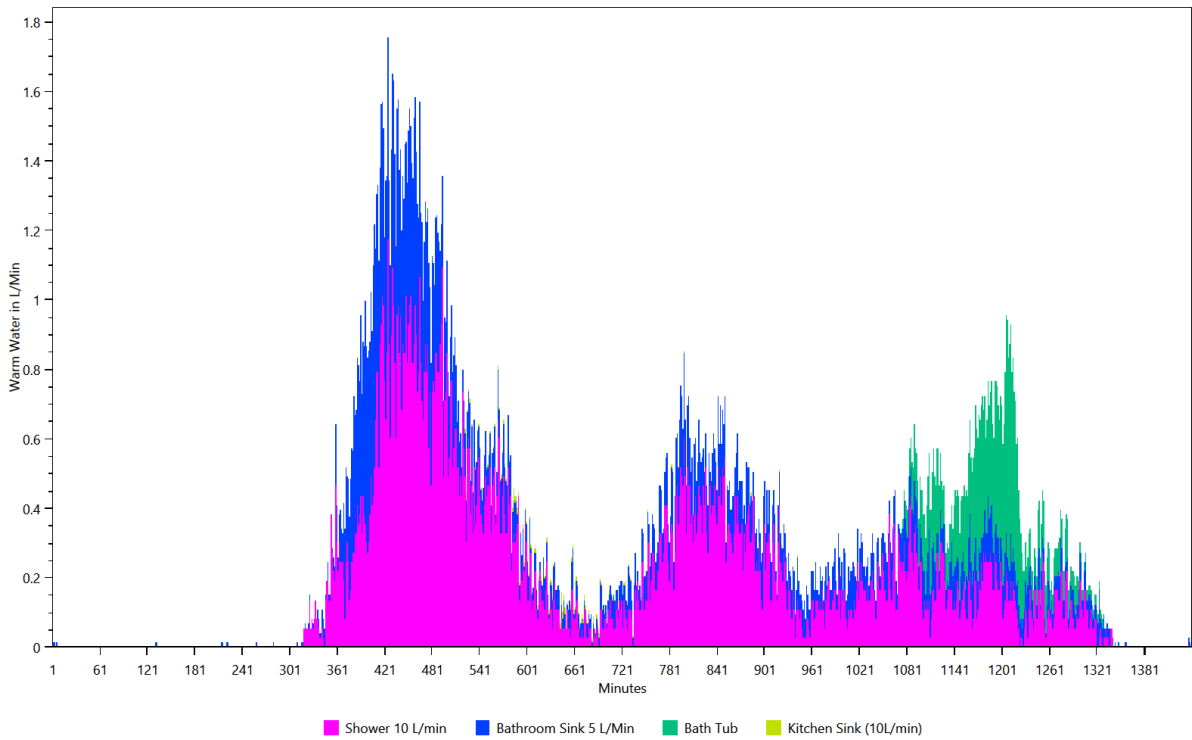


## Electricity



- Dryer / Miele T 8626 WP
- Steam Iron / Phillips GC 4410
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Single Stove Plate
- Washing Machine / Bosch WAE 28143
- Dishwasher NEFF SD6P1F (2011)
- Living Room Light (100W)
- Bauknecht GTE 260
- Electric Kettle / Petra WK288 1.5L
- Microwave / Panasonic NN 5259
- Bedroom Light (200W)
- Miele DA 61
- Children Room Light (200W)
- Hair Dryer Braun Silencio 1250
- Siemens KI 20 LA 65 (A+)
- Laptop Sony Vaio SVE151G11M
- TV Medion MD20123\_DE\_A
- Router O2 Box 6431
- Microsoft Xbox 360
- Toaster Salco MT 400
- CD/DVD Player / Philips DVDR 725 H
- Kitchen Light (100W)
- PC / Acer 8400
- Bathroom Light (100W)
- SAT Receiver / Kathrein UFS913
- PC Monitor / Fujitsu Siemens Scaleoview D19-1
- Nintendo Wii
- Cell Phone Samsung Charging
- Lawn Mower / Sabo 32-EL
- Kitchen radio / AEG KRC 4323 CD
- Cellar Light (200W)
- Electric Razor Braun Cruzer 5
- Polishing Machine / Flex L 602 VR
- Canister vacuum cleaner / Siemens VS 06 G 1831
- AEG NM 2701 Premium
- AEG PN 2200 RX 4935365097
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Bathroom Mirror Light 10 W (LED)
- Food Slicer / DOMO Schneidemaschine DOS21S
- Miele DG 1450
- Hand-held Circular Saw / Bosch PKS 46
- Skil 4270
- Electric Toothbrush Dondodont Professional Clean
- Nespresso Coffee Machine, Single Cup
- Juicer / Moulinex Vitafruit
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Energy Saving Lamp / EL-REF 11 E27

## Warm Water



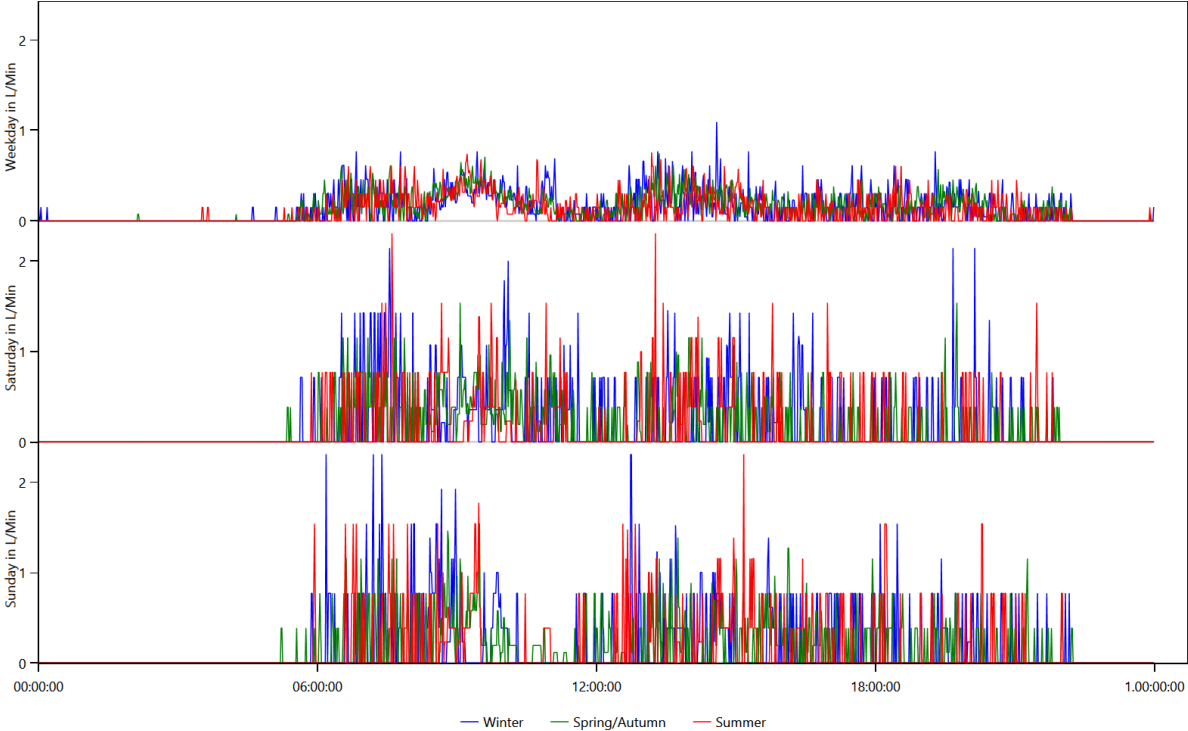
- Shower 10 L/min
- Bathroom Sink 5 L/Min
- Bath Tub
- Kitchen Sink (10L/min)

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

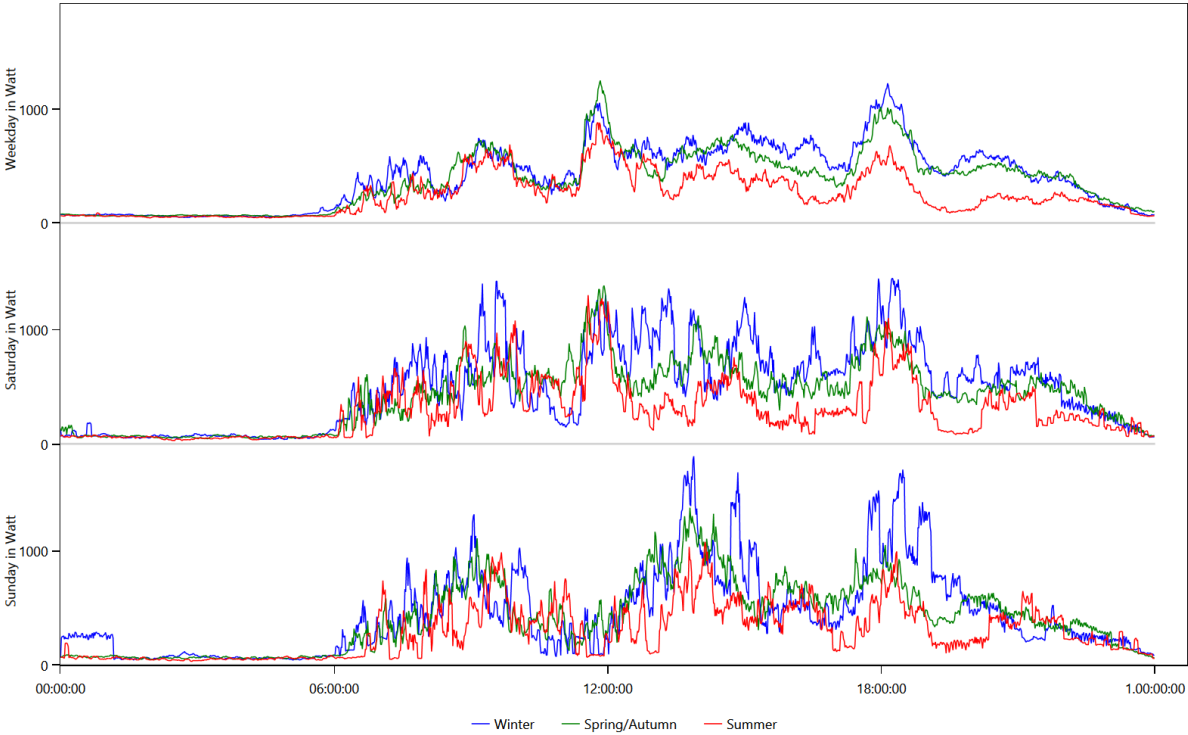
This is made from the files starting with: WeekdayProfiles

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

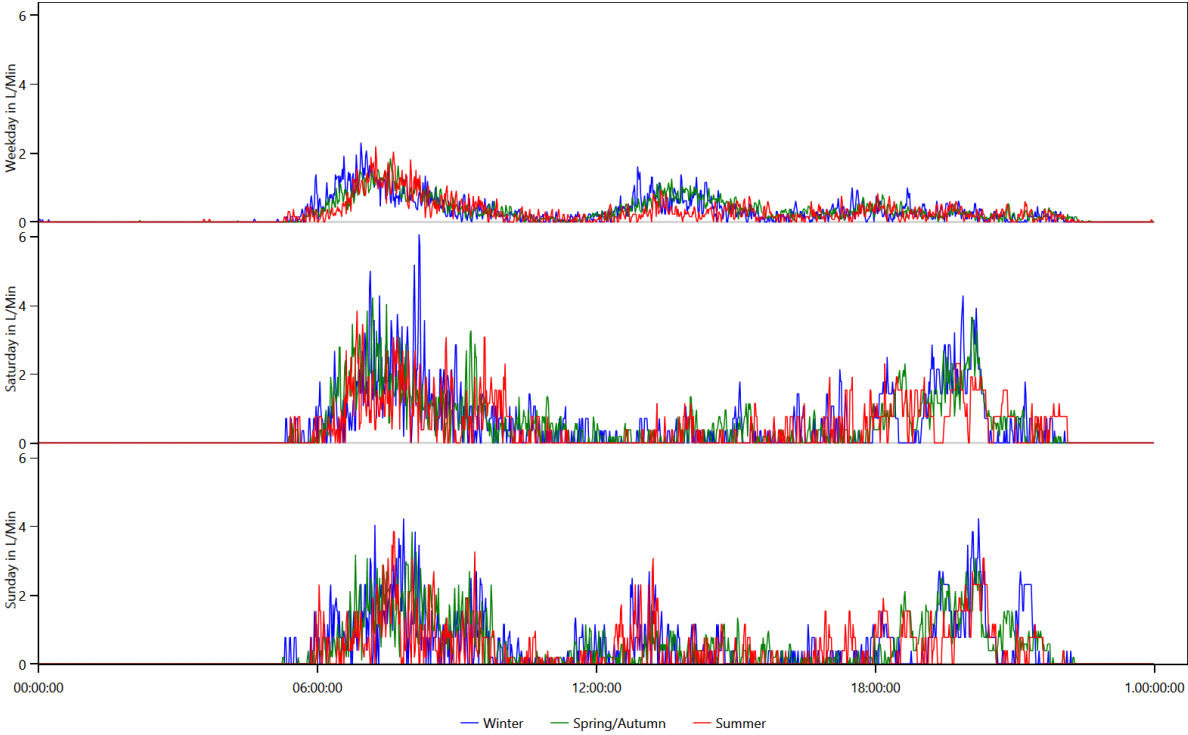
## Cold Water



# Electricity



# Warm Water

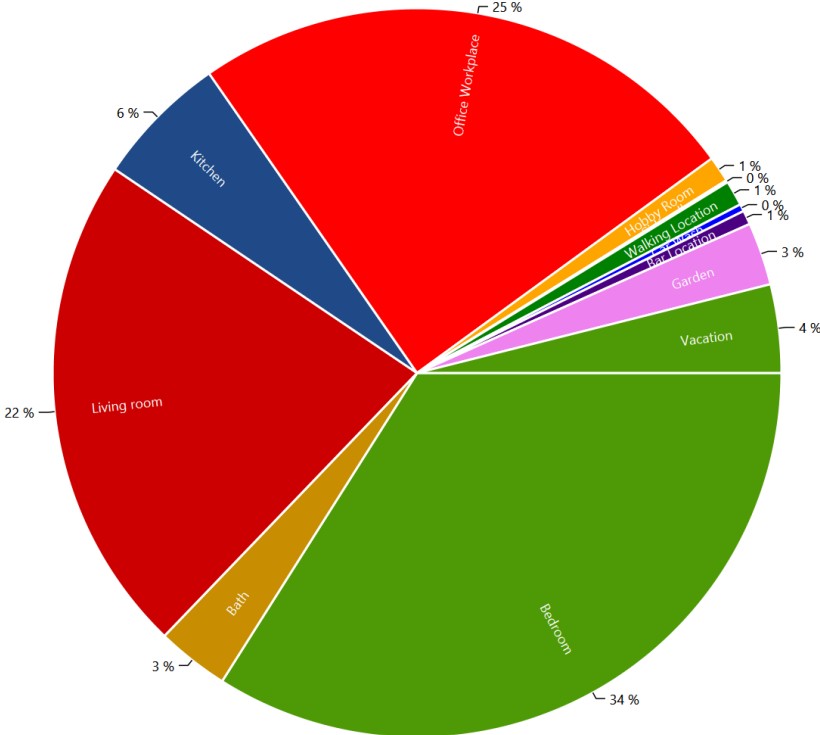


# Location Distribution per Person

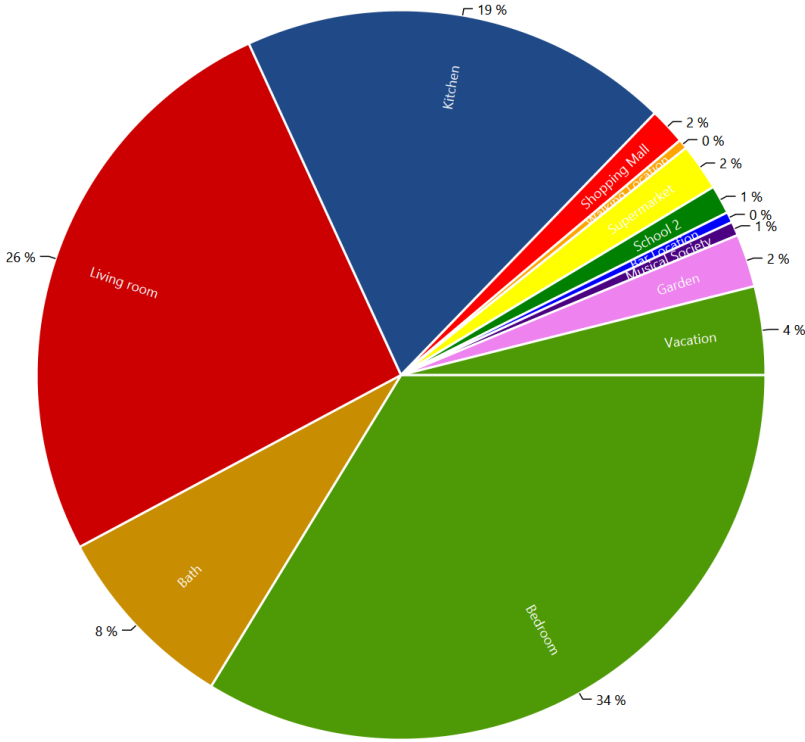
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

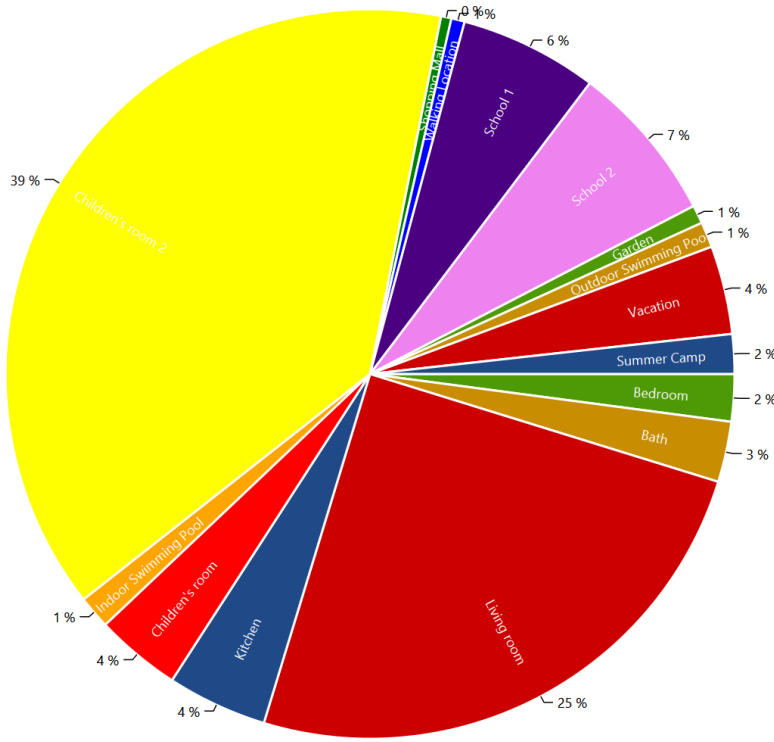
CHS01 Egon (45 Male)



CHS01 Hella (40 Female)

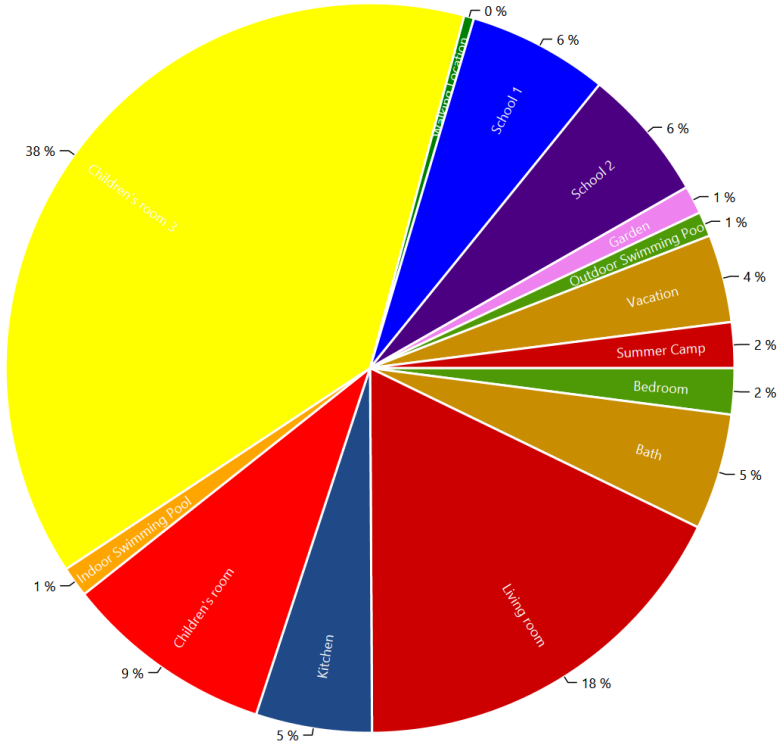


CHS01 Justus (15 Male)





CHS01 Lucia (11 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

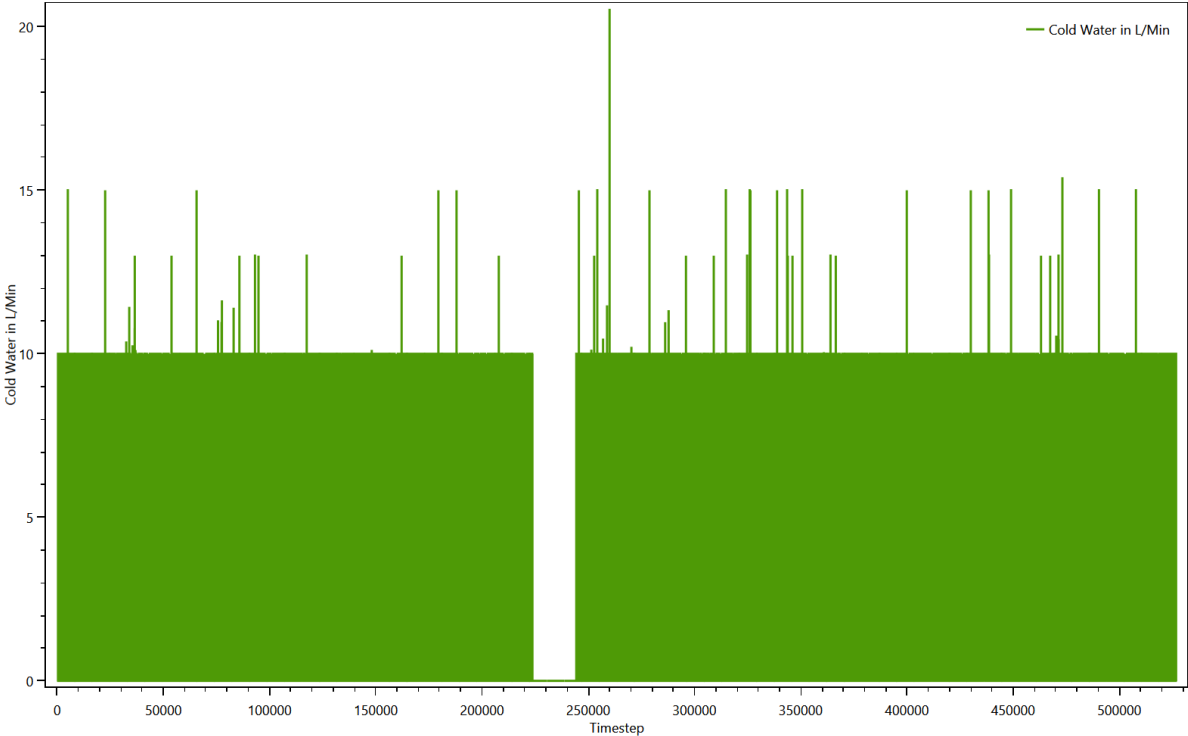
```
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHS01 Egon (45/Male);sleep bed 08 (08 h);sleep;False;
0;01.01.2016 00:00;CHS01 Hella (40/Female);sleep bed 02 (08 h);sleep;False;
0;01.01.2016 00:00;CHS01 Justus (15/Male);sleep bed 04 (10 h) Child After Dark;sleep;False;
0;01.01.2016 00:00;CHS01 Lucia (11/Female);sleep bed 05 (10 h) Child;sleep;False;
355;01.01.2016 05:55;CHS01 Egon (45/Male);go to the toilet;hygiene;False;
359;01.01.2016 05:59;CHS01 Hella (40/Female);watch TV (1 h);Passive Entertainment (TV etc.);False;
361;01.01.2016 06:01;CHS01 Egon (45/Male);eat small breakfast (25min) interrupting subaff, no
alarm;cooking;False;
387;01.01.2016 06:27;CHS01 Egon (45/Male);get ready in the morning (men);hygiene;False;
396;01.01.2016 06:36;CHS01 Egon (45/Male);take a shower (men);hygiene;False;
410;01.01.2016 06:50;CHS01 Justus (15/Male);go to the toilet;hygiene;False;
415;01.01.2016 06:55;CHS01 Egon (45/Male);watch TV with someone (watch TV (1 h));Passive Entertainment
(TV etc.);False;
416;01.01.2016 06:56;CHS01 Justus (15/Male);take a shower (men);hygiene;False;
422;01.01.2016 07:02;CHS01 Egon (45/Male);use the laptop for Internet, Movie, Music, News (2 h);Active
Entertainment (Computer, Internet etc);False;
422;01.01.2016 07:02;CHS01 Hella (40/Female);go to the toilet;hygiene;False;
428;01.01.2016 07:08;CHS01 Hella (40/Female);get ready in the morning (women);hygiene;False;
438;01.01.2016 07:18;CHS01 Justus (15/Male);read a book on the couch all the time;Offline
Entertainment;False;
448;01.01.2016 07:28;CHS01 Hella (40/Female);eat small breakfast (25min) interrupting subaff, no
alarm;cooking;False;
477;01.01.2016 07:57;CHS01 Hella (40/Female);read a newspaper for 30min;Offline Entertainment;False;
508;01.01.2016 08:28;CHS01 Hella (40/Female);read a book (1 h);Offline Entertainment;False;
```

# Sum Profiles

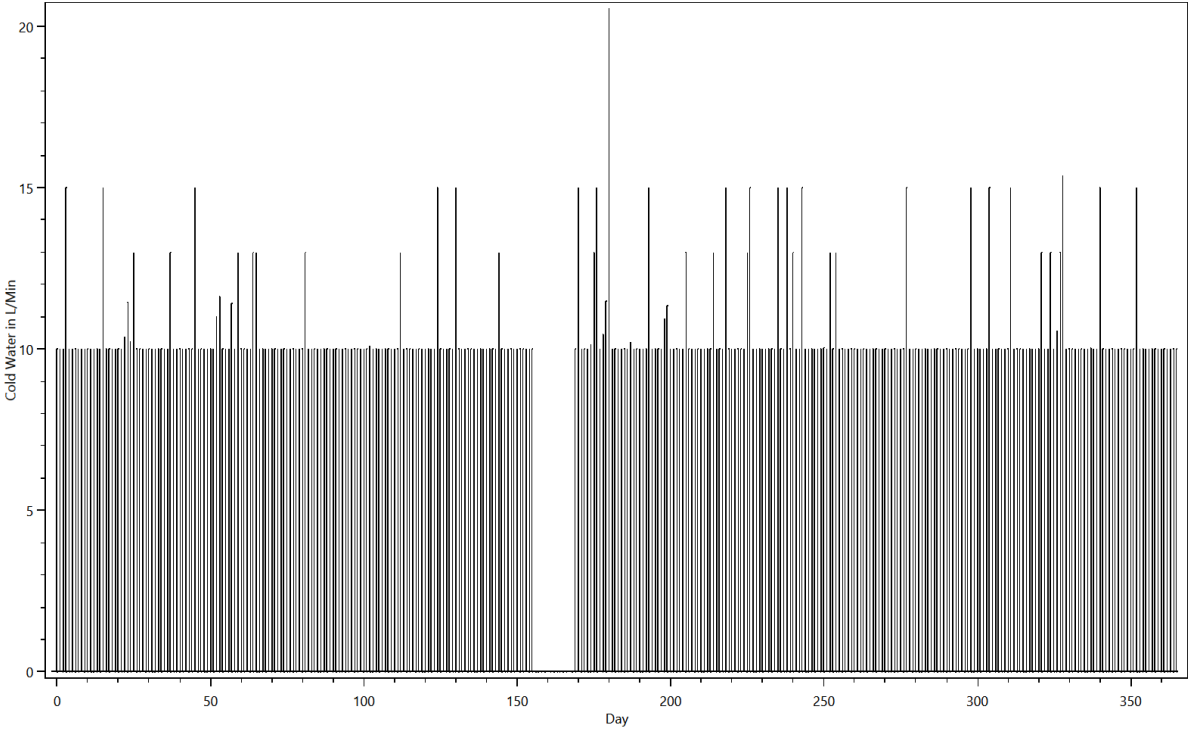
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

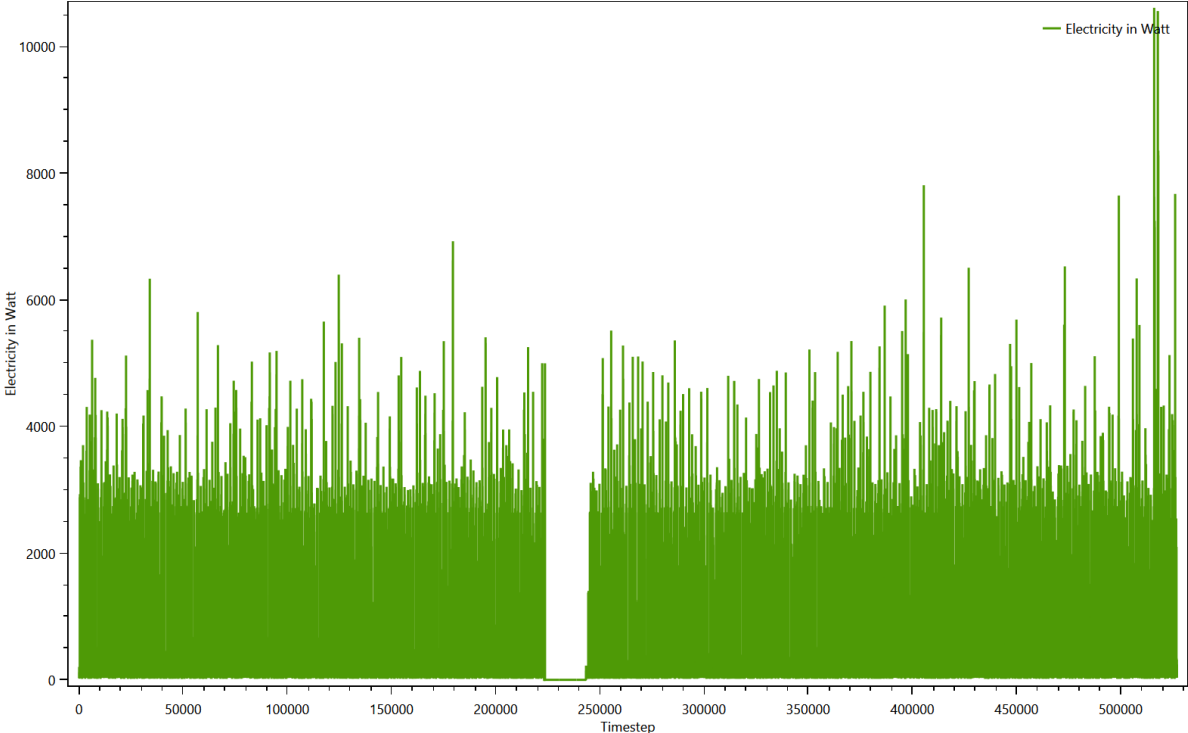
Summed up curve for Cold Water from SumProfiles.Cold Water.png



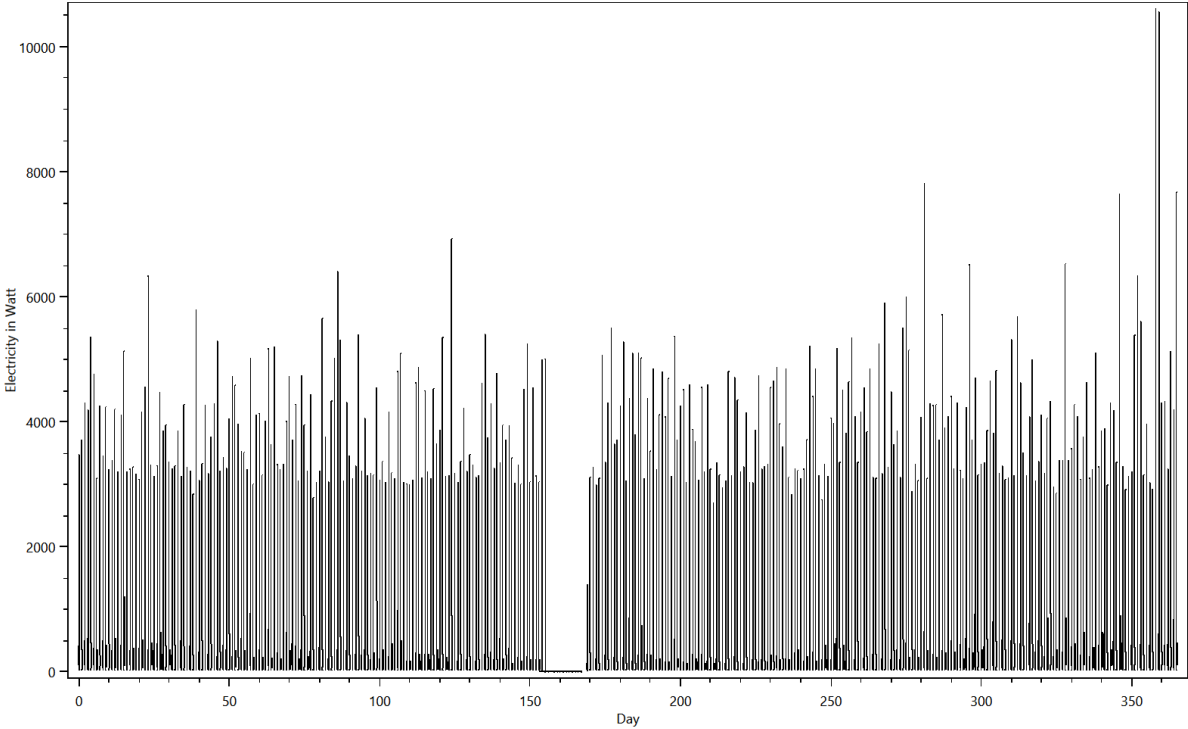
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



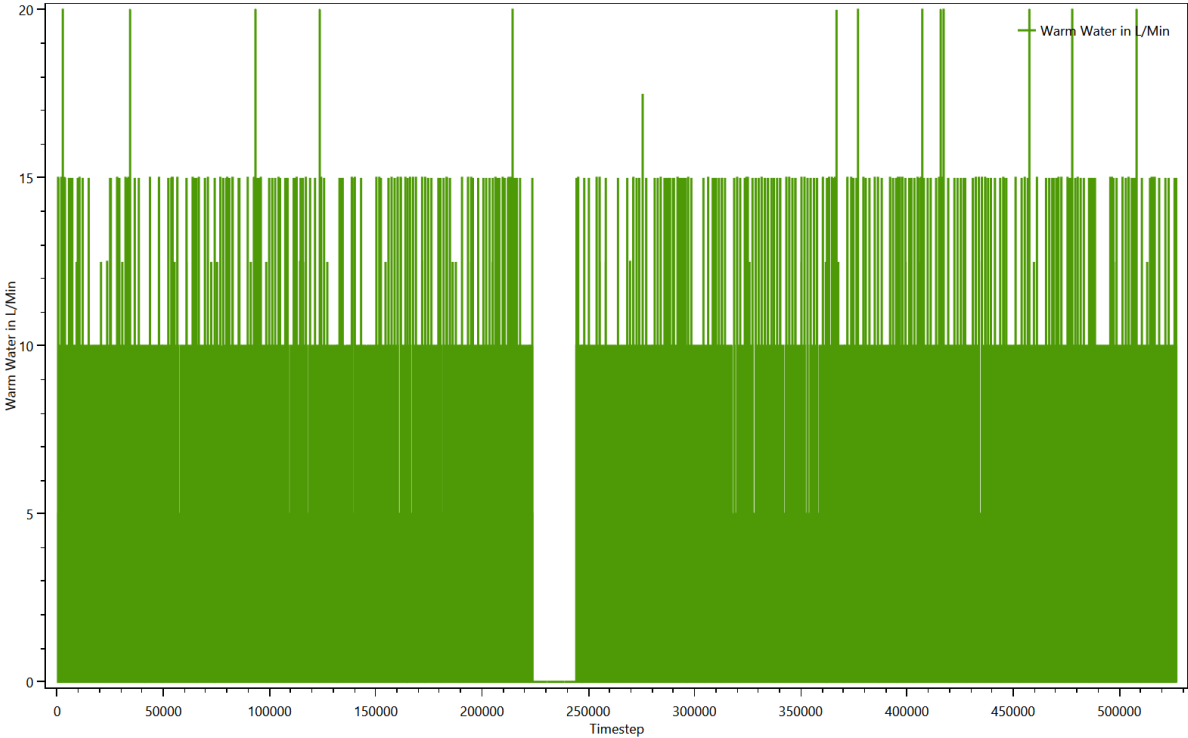
Summed up curve for Electricity from SumProfiles.Electricity.png



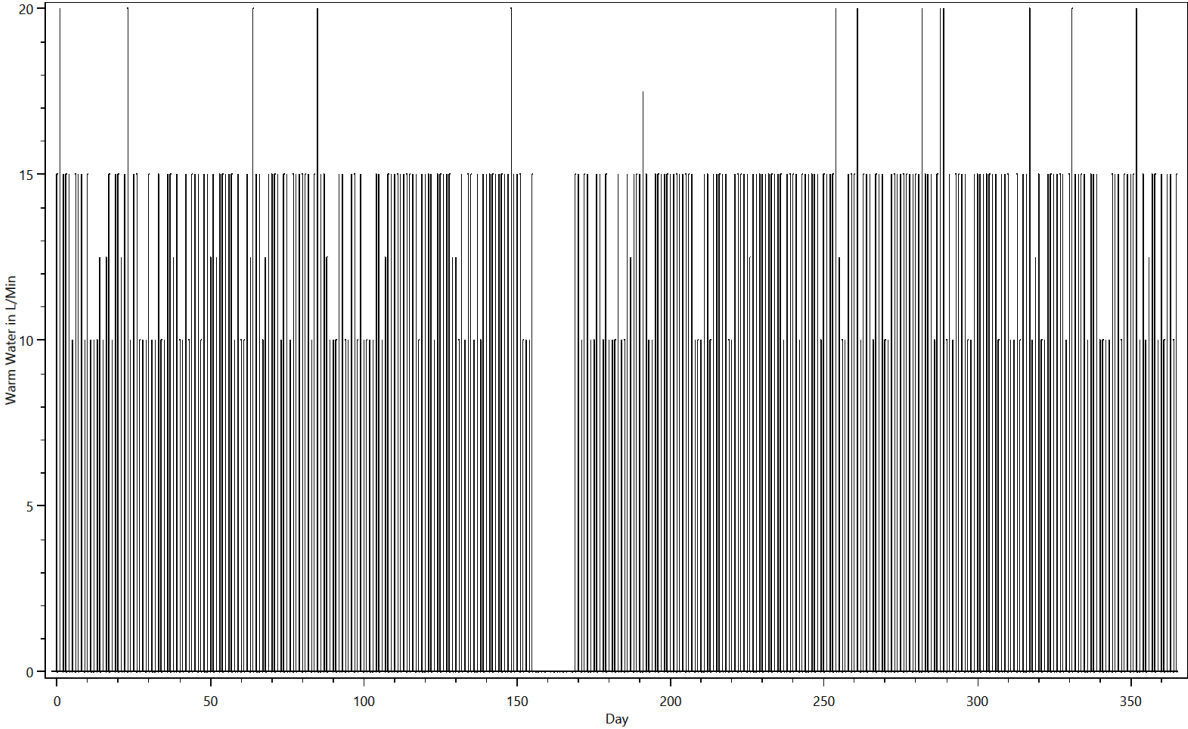
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



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.CHS01 Couple with 2 Children, Dad Employed 0.txt

Device;Load Type;Profile;Number of Activations

AEG NM 2701 Premium;Electricity;01 h 0 min 30% [Synthetic];278

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

Bar;None;04 h 0 min 100% [Synthetic];24

Bath Tub;Warm Water;0 h 15 min 100% [Synthetic];52

Bath Tub;Warm Water;0 h 20 min 100% [Synthetic];47

Bathroom Light (100W);Electricity;Bath - light [Synthetic for Light Device];1590

Bathroom Mirror Light 10 W (LED);Electricity;Bath - light [Synthetic for Light Device];1590

Bathroom Sink 5 L/Min;Cold Water;0 h 01 min 100% [Synthetic];110

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 100% [Synthetic];6442

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 50% [Synthetic];704

Bauknecht GTE 260;Electricity;0 h 01 min 100% [Synthetic];11

Bauknecht GTE 260;Electricity;05 h 0 min Fridge, 1h 100%, 4h 0% [Synthetic];1700

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

Bed 4;None;10 h 0 min 100% [Synthetic];348

Bed 5;None;10 h 0 min 100% [Synthetic];333

Bed 5;None;12h 0 min 100% [Synthetic];15

Bed 8;None;08 h 0 min 100% [Synthetic];354

Bedroom Light (200W);Electricity;Bedroom - light [Synthetic for Light Device];256

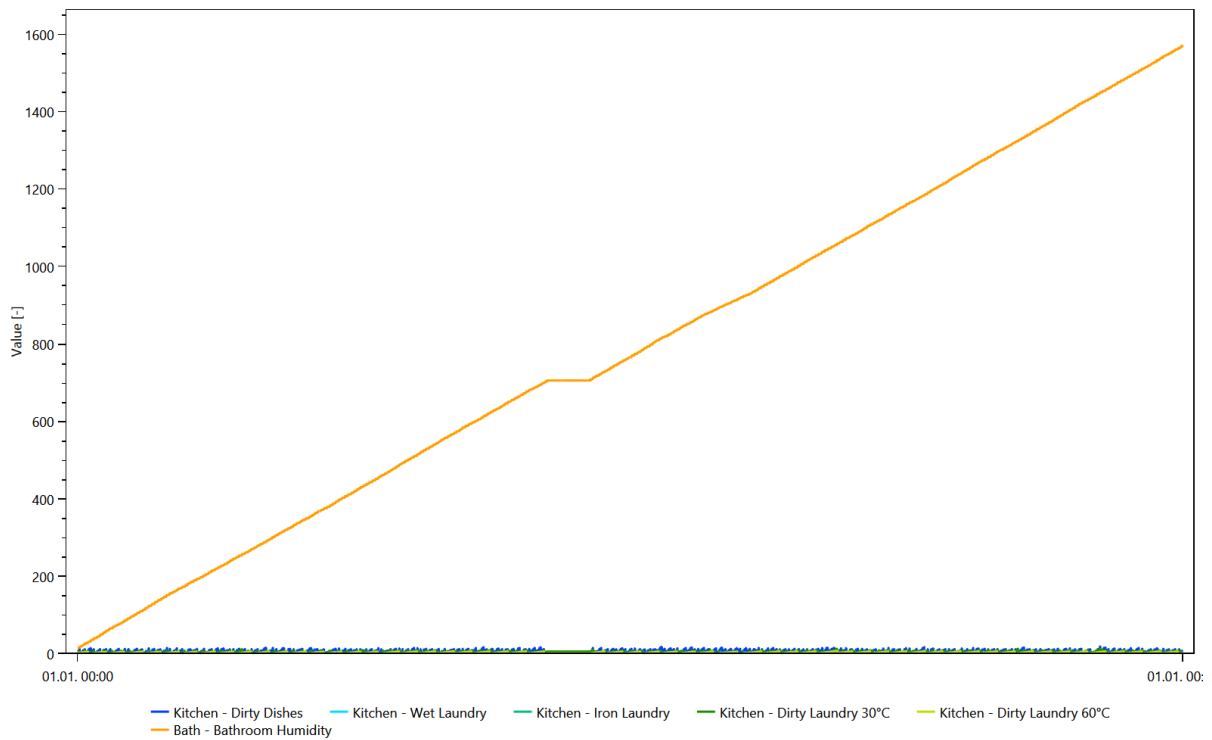
Book;None;01 h 0 min 100% [Synthetic];35

# 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

