

Overview of the results of the household CHR45 Family with 1 child, 1 at work, 1 at home 0

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

Energy Intensity: Random

Seed 1023

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:32:25

Table of Contents

- Totals..... 3
- Persons..... 5
- Activity Frequency Charts..... 6
- Activity Distribution per Person.....8
- Time Use per Person per Affordance Per Person..... 10
- Energy use per person per affordance..... 15
- Time Use per Person Per Affordance according to different category definitions..... 17
- Overview of the actions of each member of the household..... 19
- Overview of the time of the use per load type per device.....21
- Energy/Resource use distribution per load type per affordance..... 23
- Energy use for each load type for each device.....28
- Duration curve for each device for each load type..... 32
- Duration curve for each load type..... 34
- Grouped energy use for each load type for each device..... 36
- Example of the device profiles for each load type..... 41
- Overview of the time and power of the use per load type per device..... 55
- Energy use per load type during different seasons, split by weekday/saturday/sunday..... 57
- Location Distribution per Person..... 59
- Actions.csv..... 61
- Sum Profiles..... 62
- Time Profiles..... 66
- Variables..... 67

Totals

Totals for each Loadtype

Load Type	Value	Unit
Cold Water	34791.00	L
Electricity	4026.00	kWh
Warm Water	117565.84	L

Totals for each Loadtype per Day

Load Type	Value	Unit
Cold Water	95.06	L
Electricity	11.00	kWh
Warm Water	321.22	L

Minimum and Maximum for each Loadtype

Household	Minimum	Maximum	Unit
Cold Water	0.00	14.00	L/Min
Electricity	0.00	12673.04	Watt
Warm Water	0.00	18.90	L/Min

Totals for each Loadtype per Person

Load Type	Value	Unit
Cold Water	11597.00	L
Electricity	1342.00	kWh

Warm Water	39188.61	L
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Totals for each Loadtype per Person per Day

Load Type	Value	Unit
Cold Water	31.69	L
Electricity	3.67	kWh
Warm Water	107.07	L

Persons

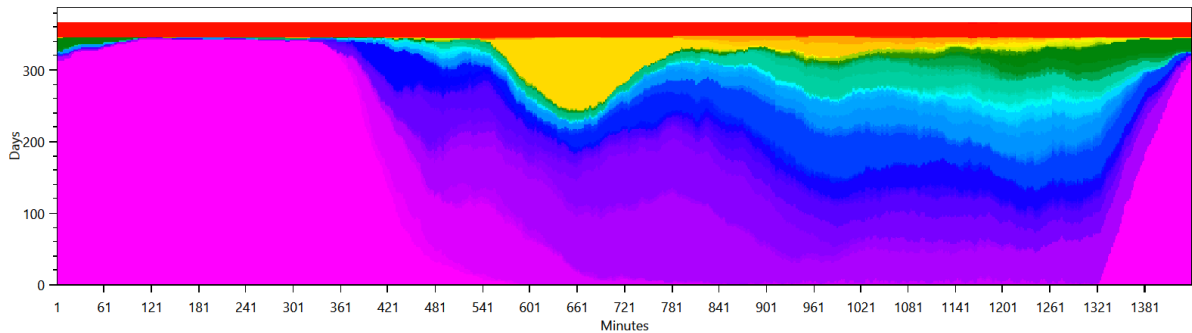
- HH0
 - CHR45 Alexander (48/Male)(48/Male)
 - CHR45 Claudia (16/Female)(16/Female)
 - CHR45 Susann (45/Female)(45/Female)

Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

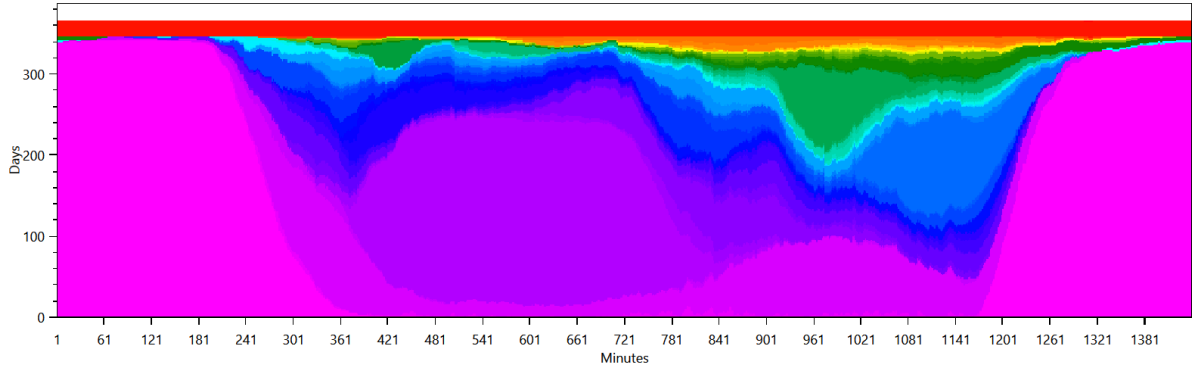
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR45 Alexander (48 Male)



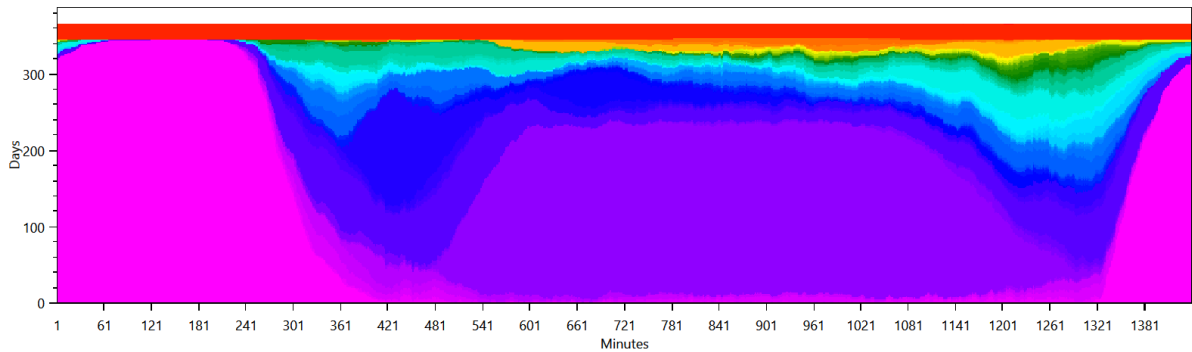
- sleep bed 08 (08 h) ■ get ready in the morning (men) ■ eat breakfast (1 h) ■ go to the toilet ■ run the dishwasher (triggered)
- use the laptop for Internet, Movie, Music, News (2 h) ■ go shopping for food in the supermarket (1.5 h) ■ take a nap ■ use the laptop (1.5 h)
- take a shower (men) ■ read a book on the couch all the time ■ play board games (1 h) ■ paint a picture ■ make frozen pizza and eat it
- watch a movie for 2 h with home cinema system ■ eat a cooked meal (interrupting) (eat breakfast (1 h)) ■ do laundry at 30°C (by variable) ■ hang up laundry outside
- cuddle and sleep (take a nap) ■ read a book on the couch only 9:00 to 22:00 ■ join Wii gaming (play Wii) ■ play a puzzle game
- watch TV with someone (watch a movie for 2 h with home cinema system) ■ make mashed potatoes and eat them ■ use the laptop (1 h) ■ play Wii
- clean the bath ■ make custom pizza and eat it ■ cook food with steam cooker and eat it ■ do laundry at 60°C (by variable) ■ bake a cake
- cook food with a deep fryer and eat it ■ microwave frozen meal and eat it ■ make soup ■ make roulades and eat them
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system) ■ watch a movie for 1 h 30 min with home cinema system ■ meet friends in a cafe
- cook a sunday feast with extractor hood and eat it ■ vacuum the household ■ eat a cooked meal (interrupting) (cook food with rice and eat it)
- listen to music on compact hifi (2 h) ■ heat up leftovers ■ watch TV with someone (watch a movie for 2 h) ■ make fondue and eat it ■ go to a bar (4 h)
- fry two eggs and eat them with toast ■ watch TV with someone (watch a movie for 1 h 30 min) ■ invite friends for coffee
- eat a cooked meal (interrupting) (heat up leftovers) ■ join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- eat a cooked meal (interrupting) (cook pasta and eat it) ■ join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- make and drink tea (15 min) ■ watch a movie for 2 h ■ take nap on the weekend (2 h) ■ watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (make mashed potatoes and eat them) ■ cook food with rice and eat it ■ eat a cooked meal (interrupting) (make roulades and eat them)
- cook pasta and eat it ■ watch TV with someone (watch TV (1 h)) ■ eat a cooked meal (interrupting) (make fondue and eat it) ■ do garden work every day
- relax in the garden ■ eat a cooked meal (interrupting) (cook food with a deep fryer and eat it) ■ relax in the garden 2
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it) ■ eat a cooked meal (interrupting) (make soup)
- 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) ■ read a book (1 h)
- watch TV (1 h) ■ watch the news ■ watch a movie for 1 h 30 min ■ taking a vacation ■ eat a cooked meal (interrupting) (make custom pizza and eat it)

HH0 - CHR45 Claudia (16 Female)



- sleep bed 03 (08 h) Child
- go to the toilet
- use the laptop for Internet, Movie, Music, News (2 h)
- microwave frozen meal and eat it
- go to grammer school
- take a shower with hair washing (women) (20 min hair drying)
- take a nap
- play board games (1 h)
- use the laptop (1.5 h)
- make soup
- watch a movie for 1 h 30 min with home cinema system
- paint a picture
- eat breakfast (1 h)
- get ready in the morning (women)
- play Wii
- bake a cake
- take a shower without hair washing (women)
- use the laptop (1 h)
- play a puzzle game
- take singing lessons
- watch TV with someone (watch a movie for 2 h with home cinema system)
- take a shower with hair washing (women) (5 min hair drying)
- watch a movie for 2 h with home cinema system
- join Wii gaming (play Wii)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- watch a movie for 1 h 30 min
- fry two eggs and eat them with toast
- eat a cooked meal (interrupting) (make fondue and eat it)
- cook food with rice and eat it
- cook pasta and eat it
- heat up leftovers
- listen to music on compact hifi (2 h)
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- cook a sunday feast with extractor hood and eat it
- make fondue and eat it
- do homework
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- make frozen pizza and eat it
- eat a cooked meal (interrupting) (heat up leftovers)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- throw party
- make custom pizza and eat it
- watch TV with someone (watch TV (1 h))
- watch sports on TV with SAT Reciever (2 h)
- watch a movie for 2 h
- make mashed potatoes and eat them
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (make soup)
- make and drink tea (15 min)
- read a newspaper for 30min
- read a magazine
- read a book on the couch all the time
- eat a cooked meal (interrupting) (make roulades and eat them)
- take nap on the weekend (2 h)
- read a book on the couch only 9:00 to 22:00
- watch TV (1 h)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- relax in the garden
- relax in the garden 2
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- 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)
- watch TV with someone (watch a movie for 1 h 30 min)
- taking a vacation
- eat a cooked meal (interrupting) (cook pasta and eat it)

HH0 - CHR45 Susann (45 Female)



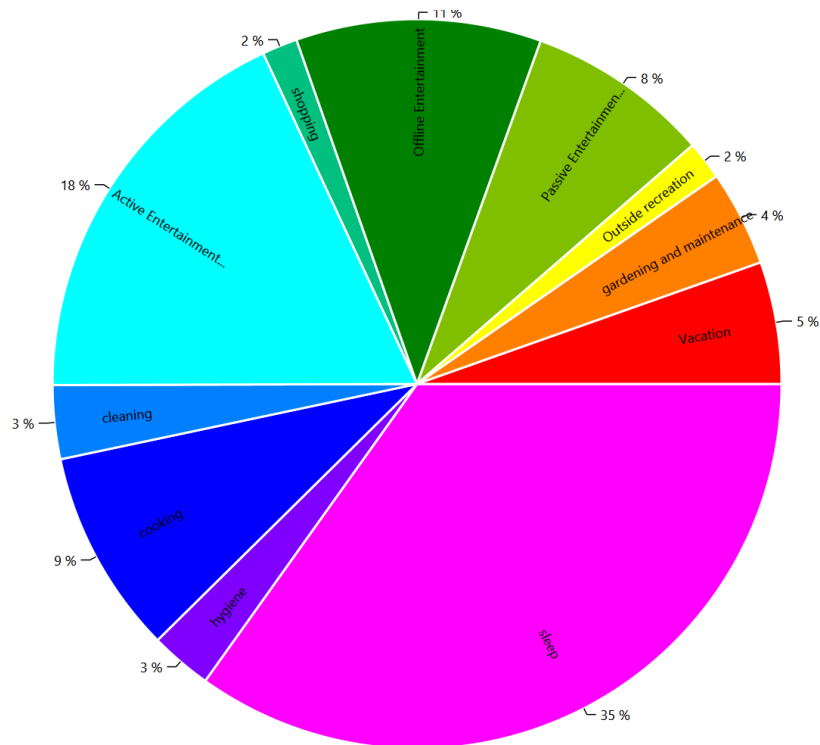
- sleep bed 02 (06 h)
- go to the toilet
- play Wii
- watch a movie for 1 h 30 min with home cinema system
- get ready in the morning (women)
- microwave frozen meal and eat it
- work at the office from 8:00 (11 h)
- take a shower with hair washing (women) (20 min hair drying)
- make mashed potatoes and eat them
- use the laptop for Internet, Movie, Music, News (2 h)
- play board games (1 h)
- use the laptop (1 h)
- eat breakfast (1 h)
- take a nap
- bake bread
- paint a picture
- play a puzzle game
- watch the news
- make custom pizza and eat it
- take a shower without hair washing (women)
- use the laptop (1.5 h)
- watch a movie for 1 h 30 min
- watch a movie for 2 h
- cuddle and sleep (take a nap)
- watch TV (1 h)
- make fondue and eat it
- cook food with steam cooker and eat it
- take a shower with hair washing (women) (5 min hair drying)
- watch TV with someone (watch a movie for 2 h with home cinema system)
- visit the theater
- cook a sunday feast with extractor hood and eat it
- listen to music on compact hifi (2 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- watch a movie for 2 h with home cinema system
- fry two eggs and eat them with toast
- make roulades and eat them
- watch sports on TV with SAT Reciever (2 h)
- bake a cake
- make soup
- cook pasta and eat it
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- heat up leftovers
- eat a cooked meal (interrupting) (make fondue and eat it)
- make frozen pizza and eat it
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- eat a cooked meal (interrupting) (make roulades and eat them)
- make and drink tea (15 min)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (make roulades and eat them)
- make and drink tea (15 min)
- read a newspaper for 30min
- take nap on the weekend (2 h)
- read a magazine
- read a book on the couch only 9:00 to 22:00
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- join Wii gaming (play Wii)
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- do garden work every day
- 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)
- relax in the garden 2
- relax in the garden
- read a book on the couch all the time
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- taking a vacation
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- eat a cooked meal (interrupting) (heat up leftovers)

Activity Distribution per Person

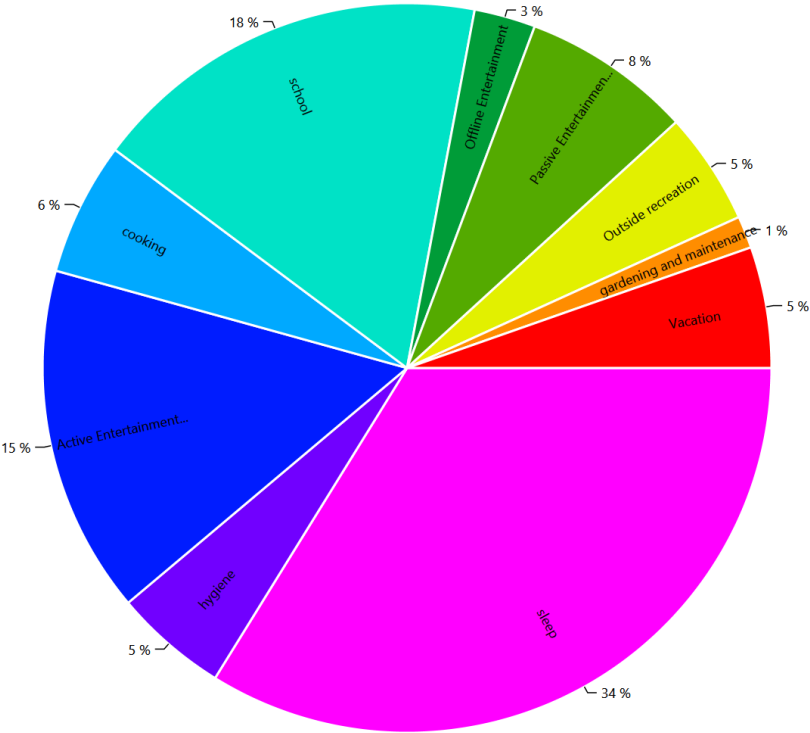
This is made from the files starting with: ActivityPercentage

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

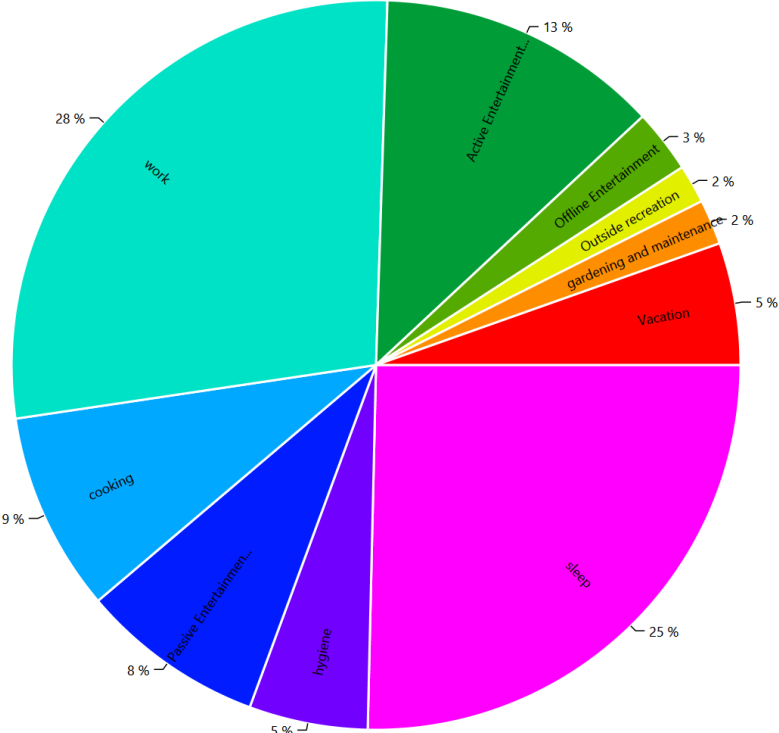
HH0 - CHR45 Alexander (48 Male)



HH0 - CHR45 Claudia (16 Female)



HH0 - CHR45 Susann (45 Female)

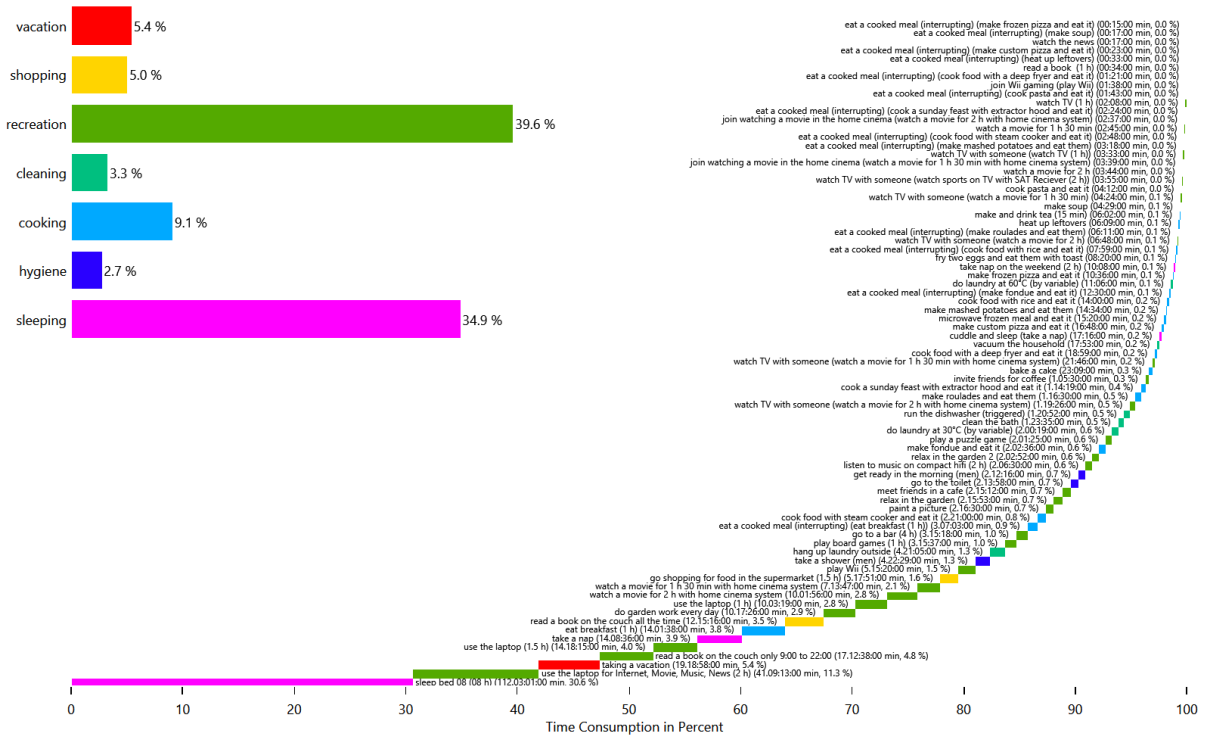


Time Use per Person per Affordance Per Person

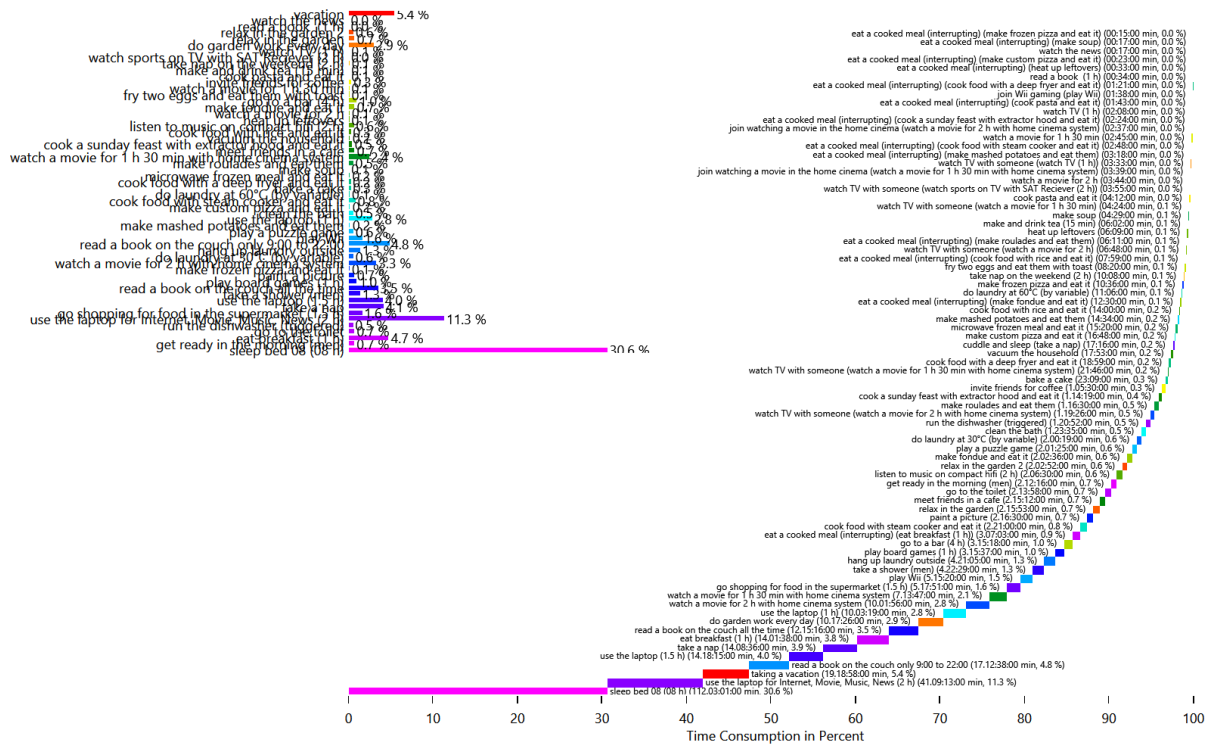
This is made from the files starting with: AffordanceTimeUse

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.

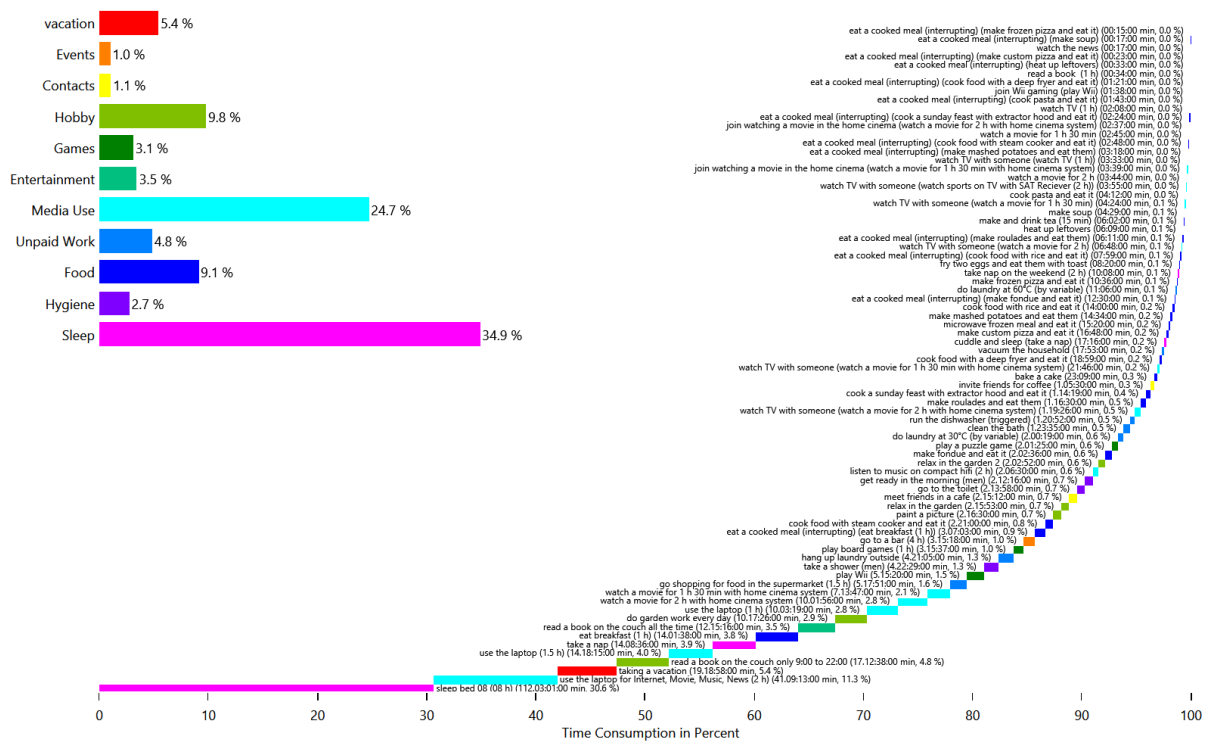
HH0 - CHR45 Alexander (48 Male)



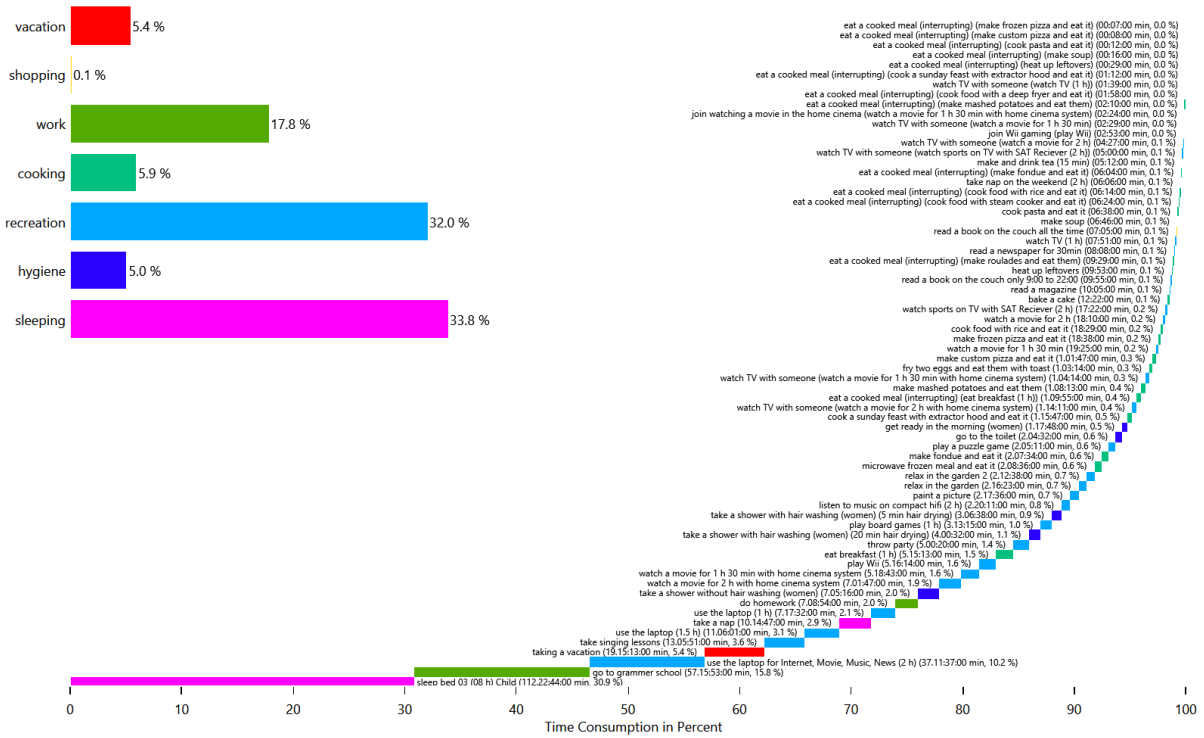
HH0 - CHR45 Alexander (48 Male)



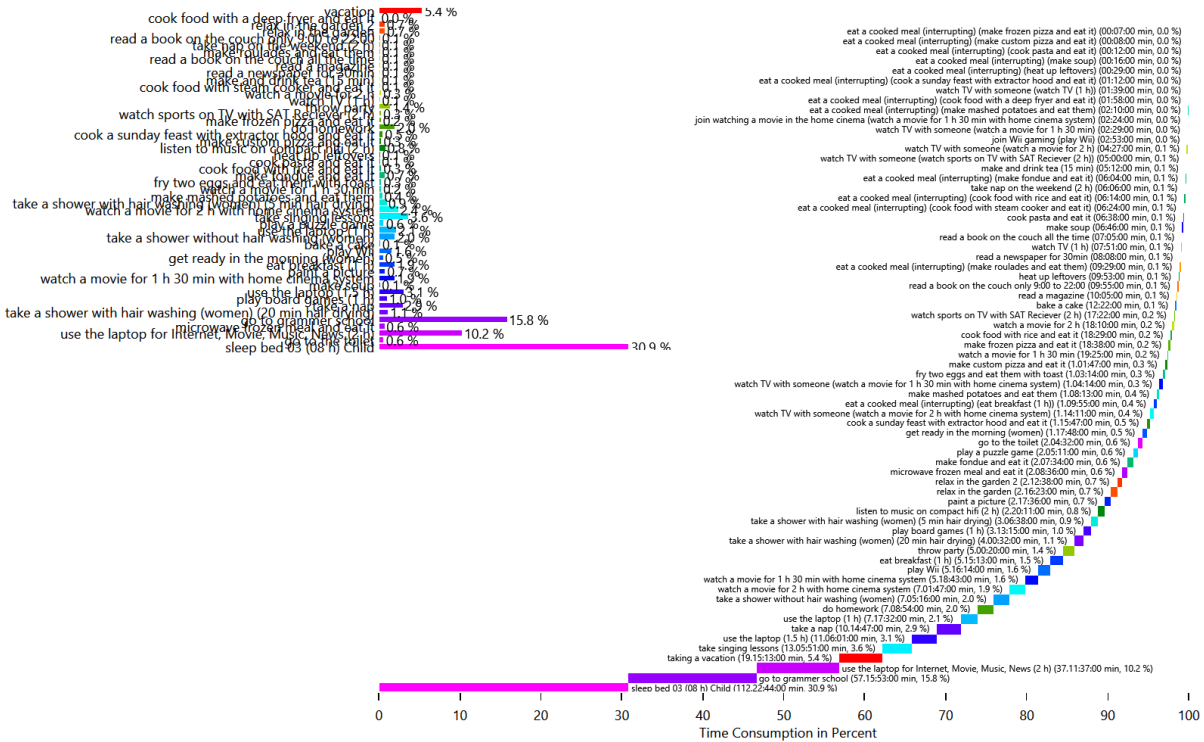
HH0 - CHR45 Alexander (48 Male)



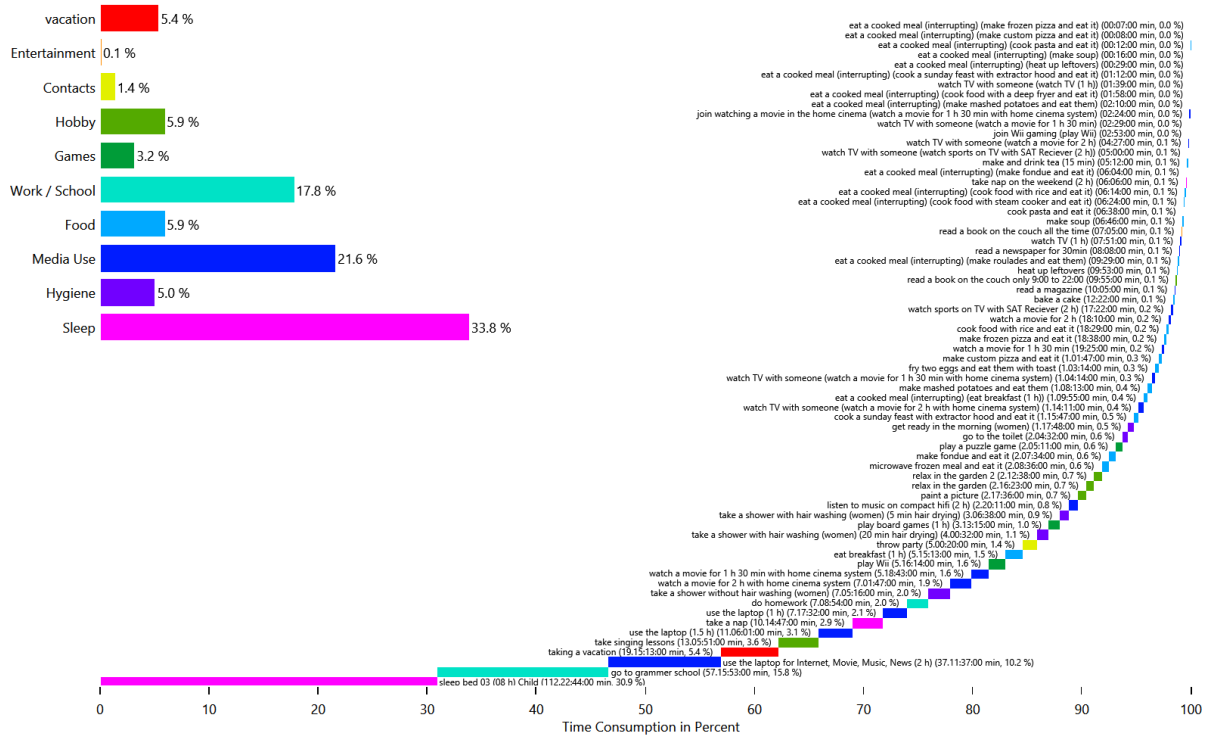
HH0 - CHR45 Claudia (16 Female)



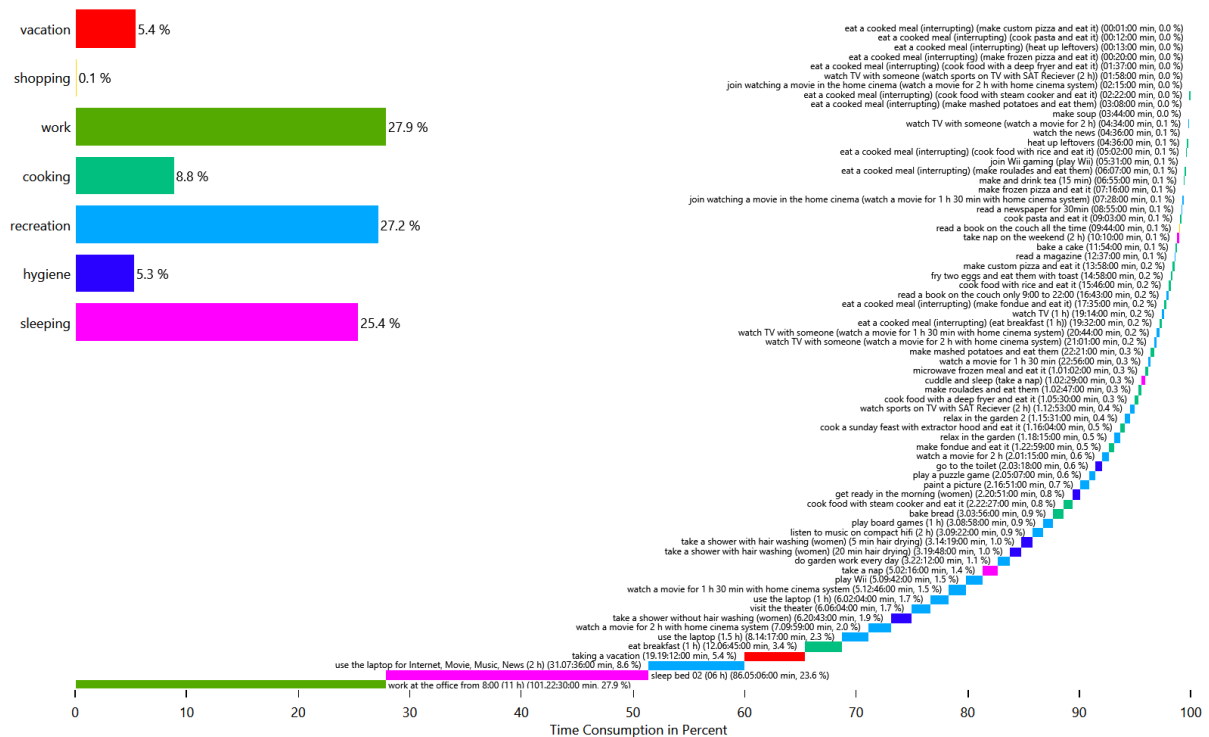
HH0 - CHR45 Claudia (16 Female)



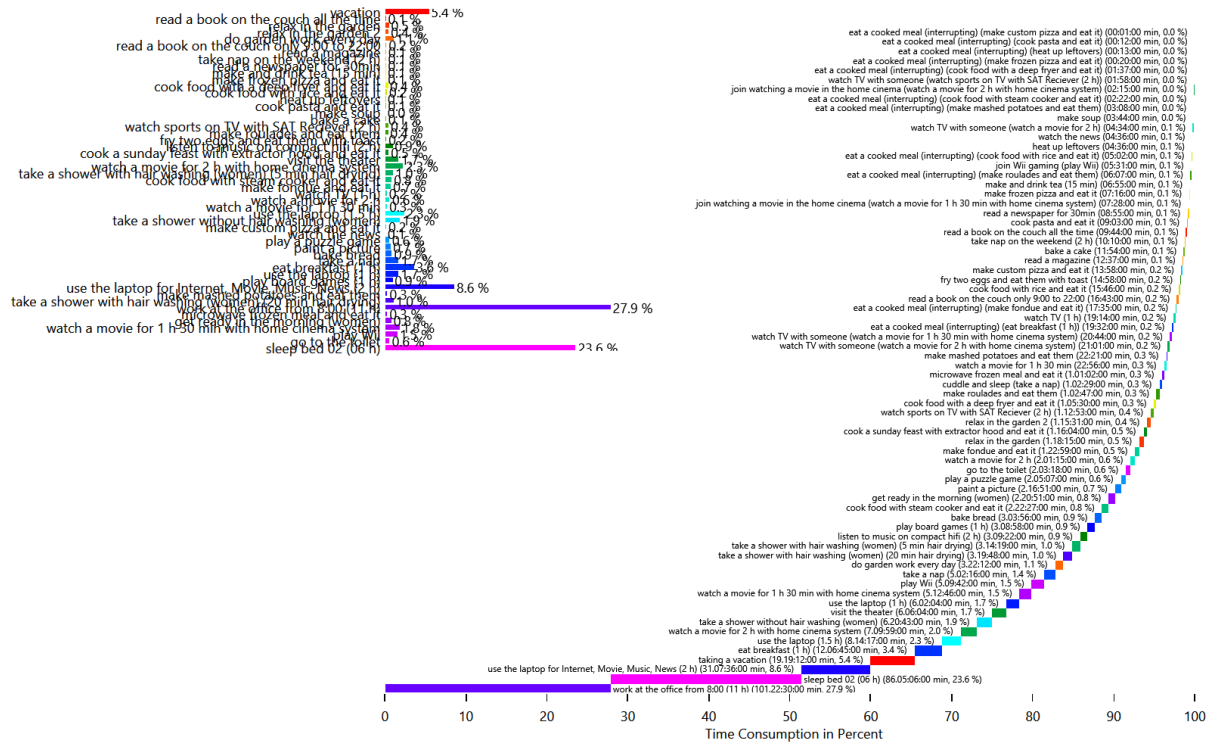
HH0 - CHR45 Claudia (16 Female)



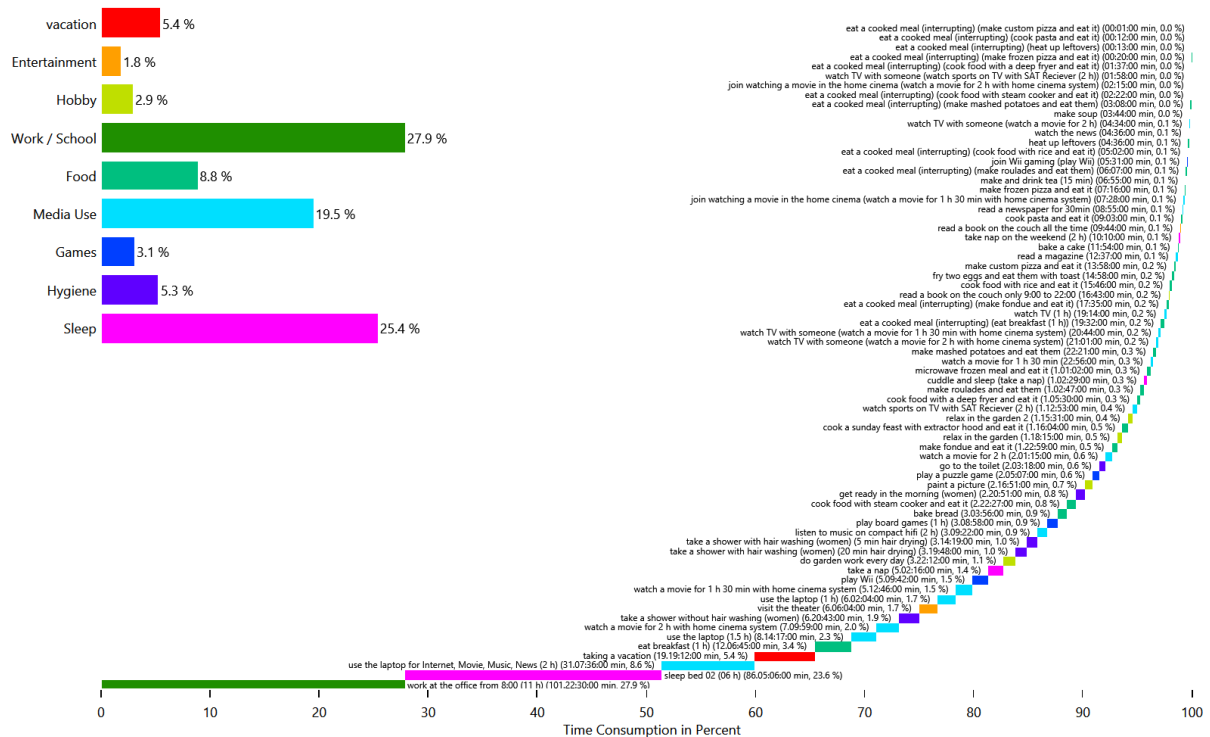
HH0 - CHR45 Susann (45 Female)



HH0 - CHR45 Susann (45 Female)



HH0 - CHR45 Susann (45 Female)

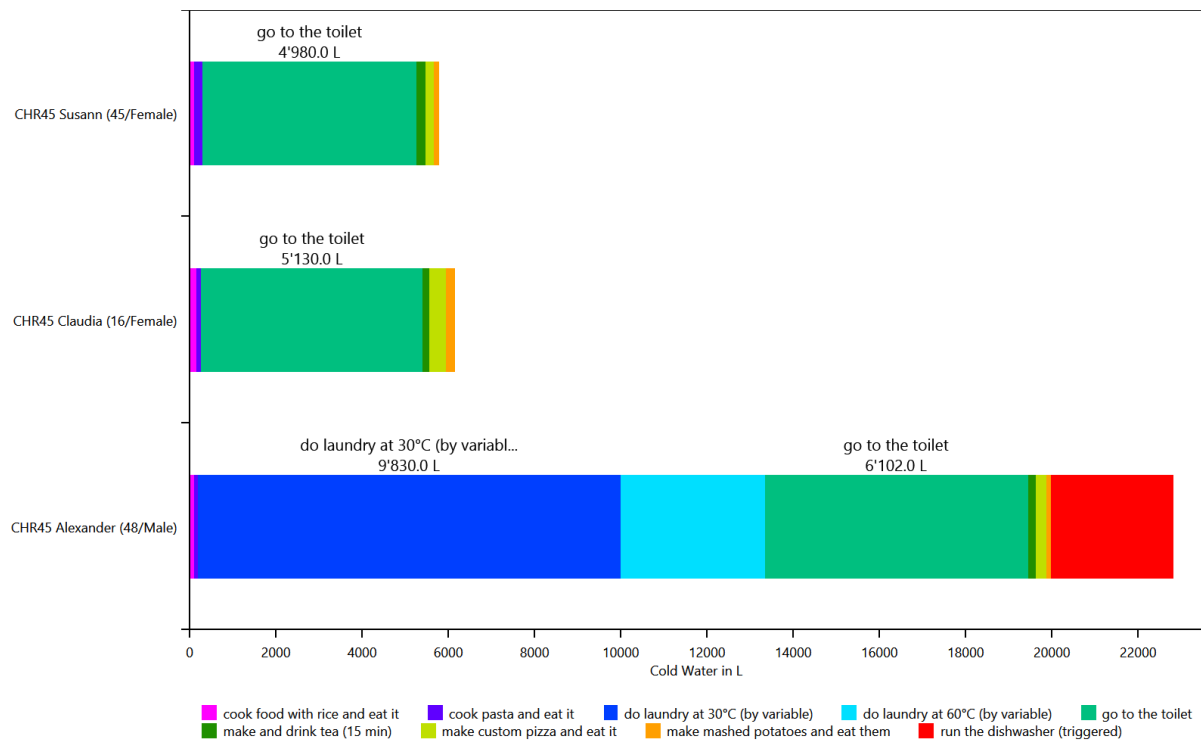


Energy use per person per affordance

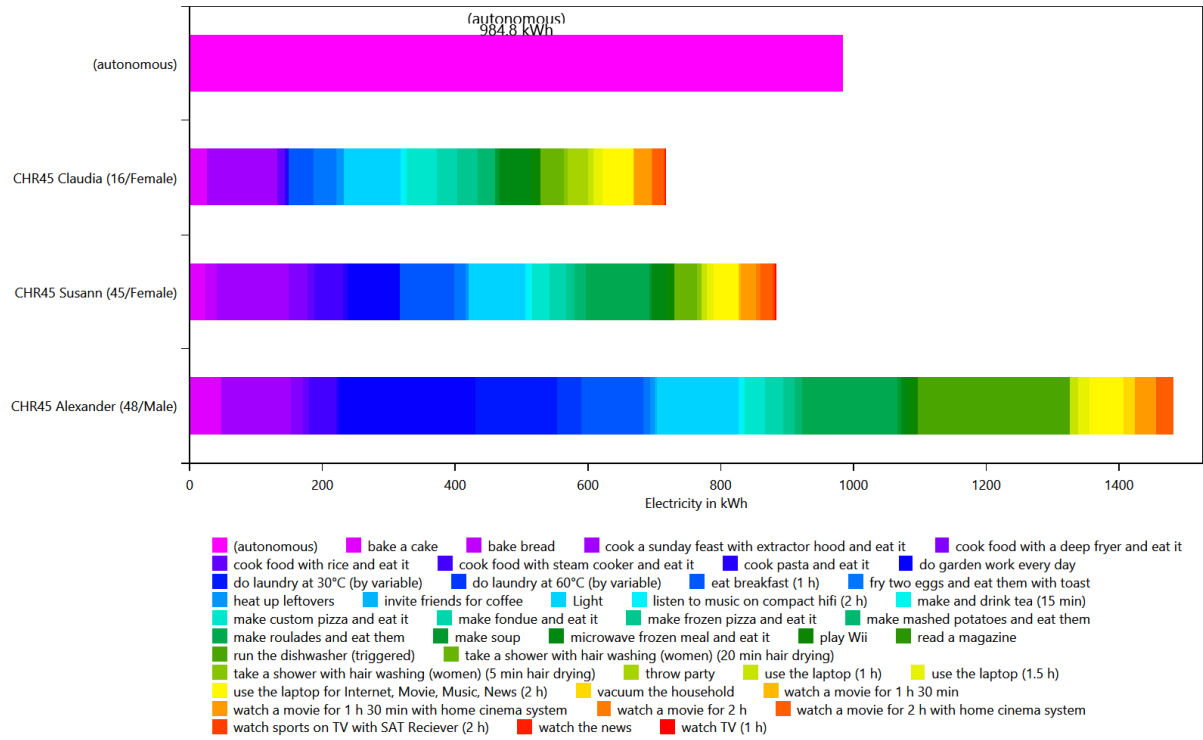
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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.

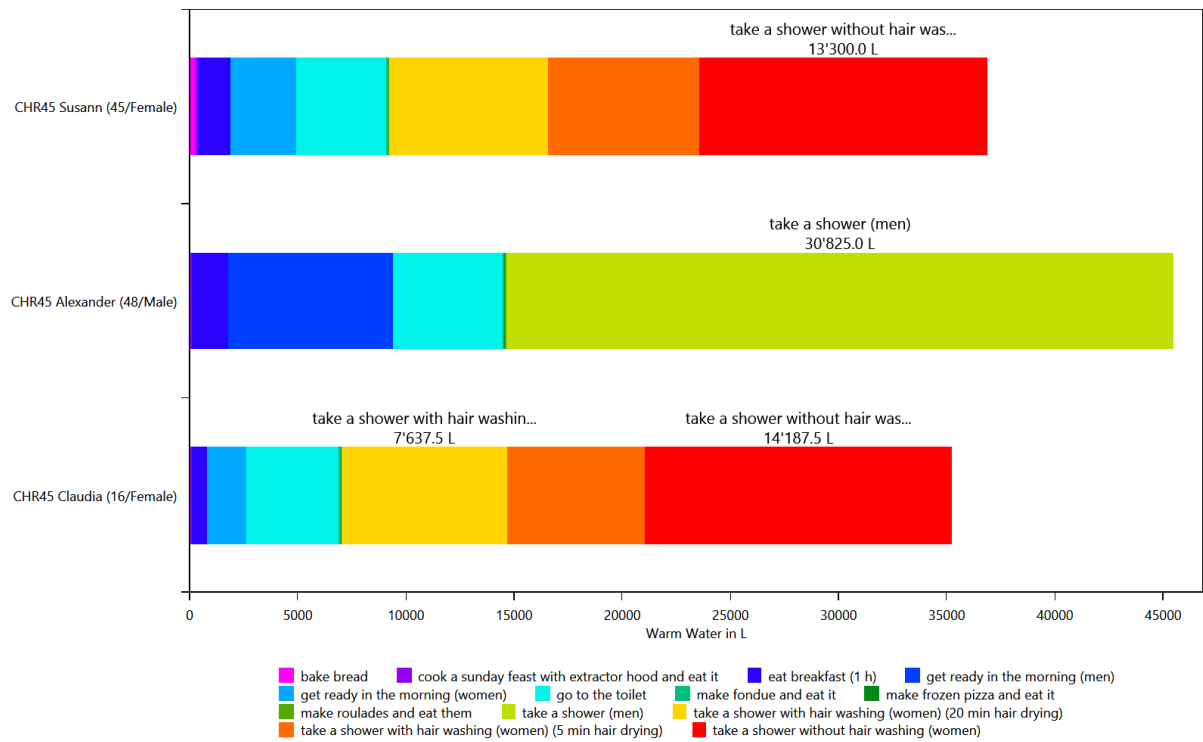
HH0 - Cold Water



HH0 - Electricity



HH0 - Warm Water

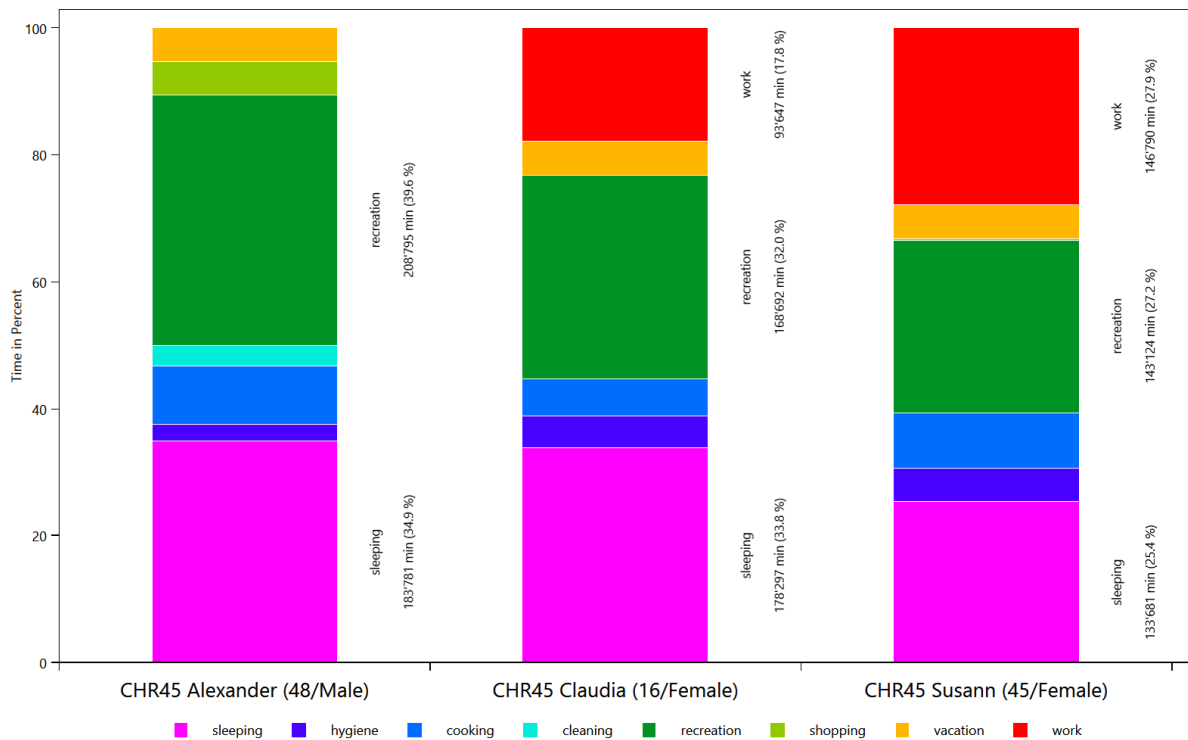


Time Use per Person Per Affordance according to different category definitions

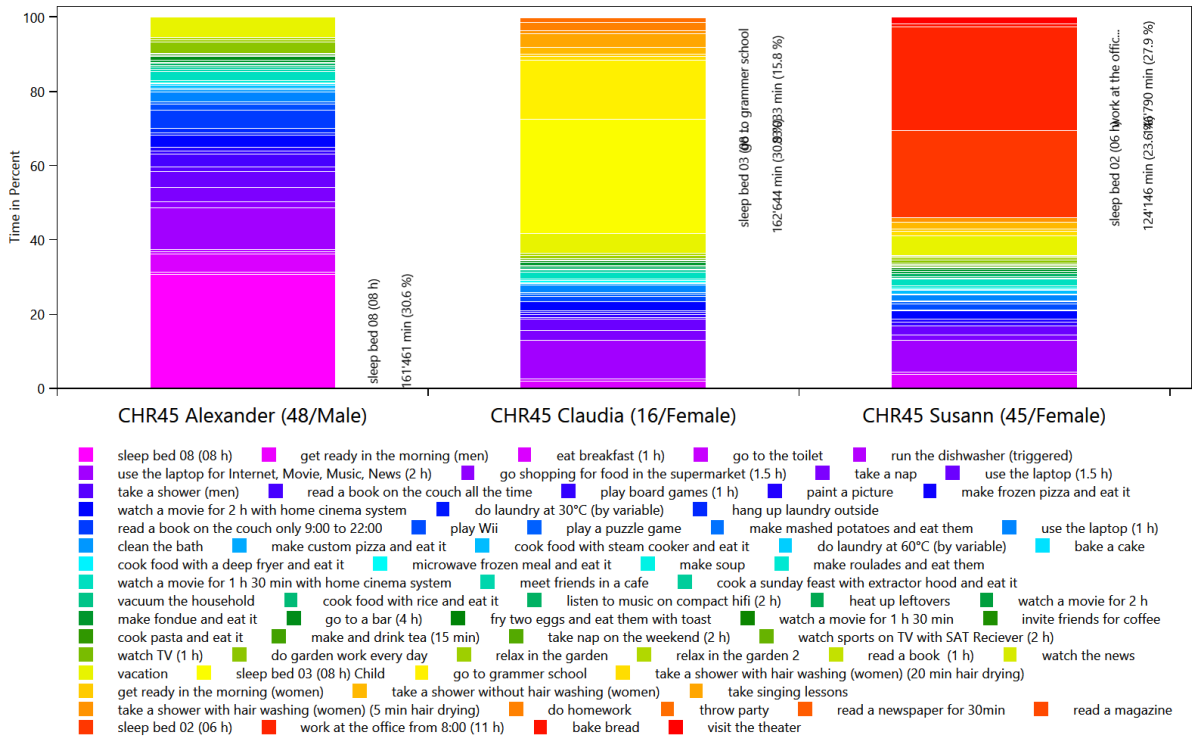
This is made from the files starting with: AffordanceTaggingSet

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.

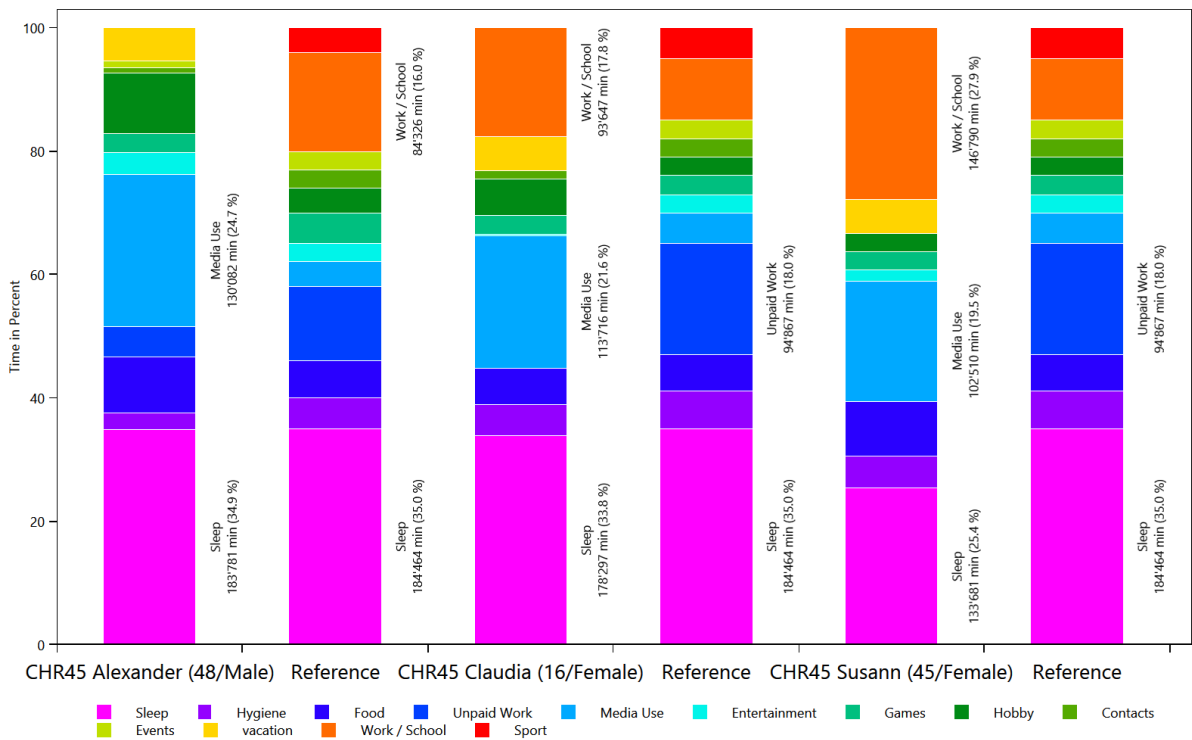
Basic Tagging - HH0



Tagging Set For Planning - HH0



Wo bleibt die Zeit - HH0

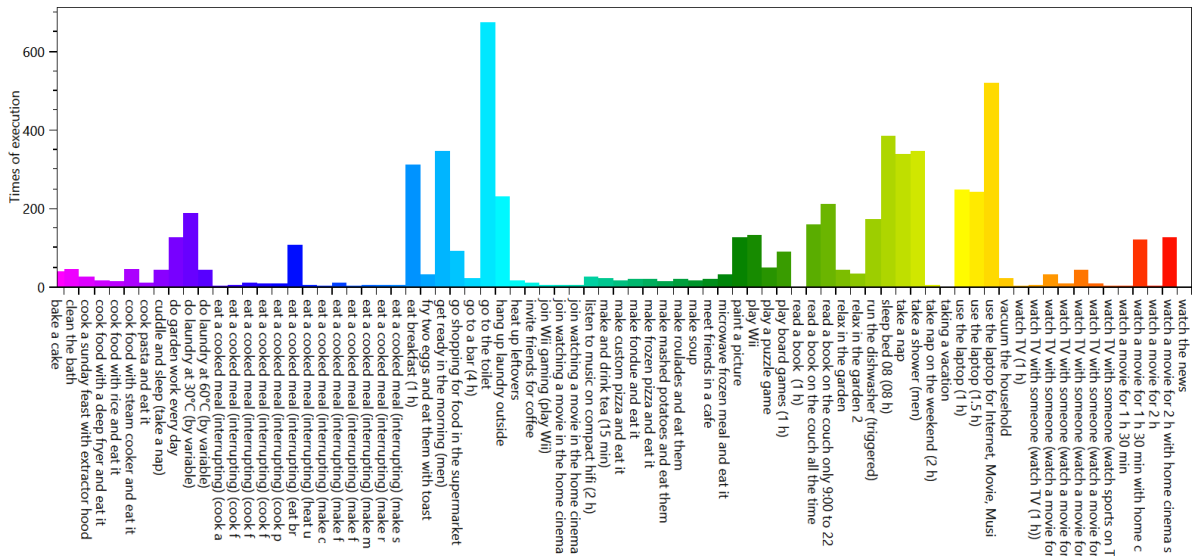


Overview of the actions of each member of the household

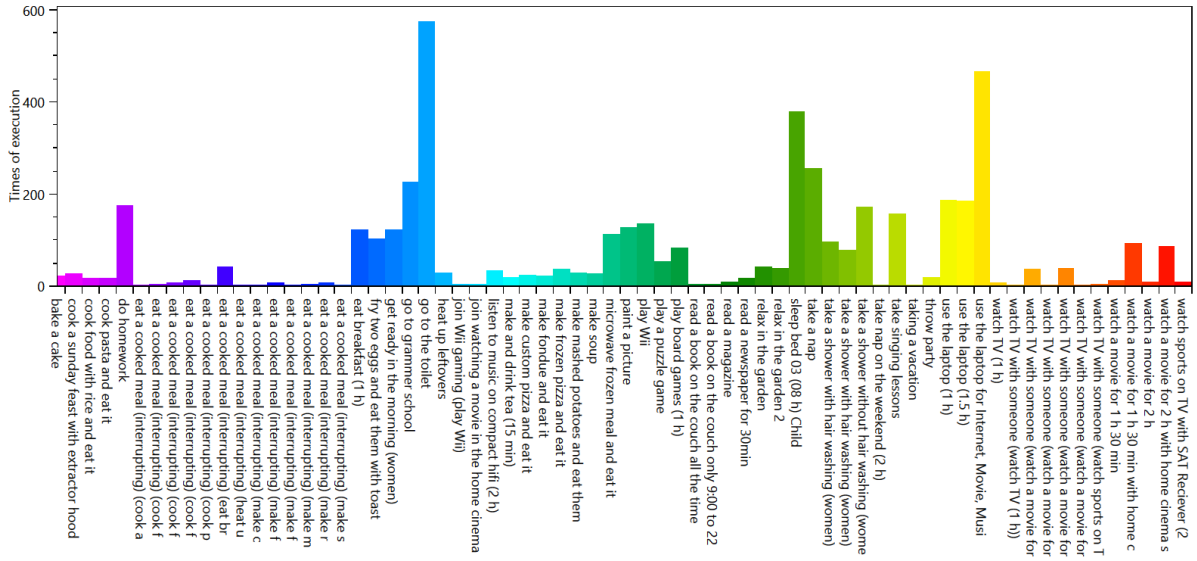
This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

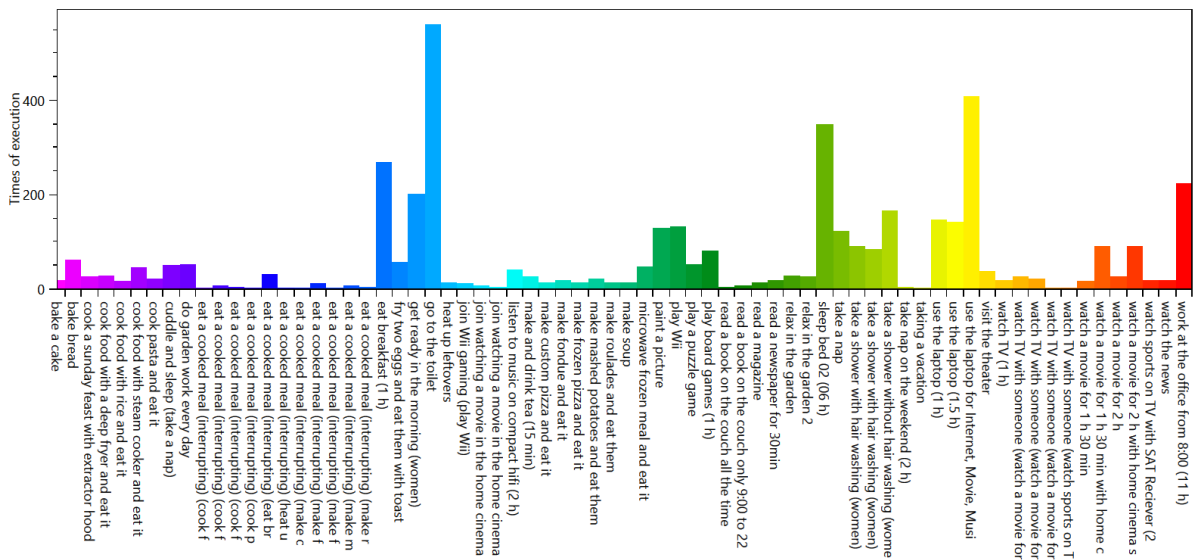
HH0 - CHR45 Alexander (48 Male)



HH0 - CHR45 Claudia (16 Female)



HH0 - CHR45 Susann (45 Female)

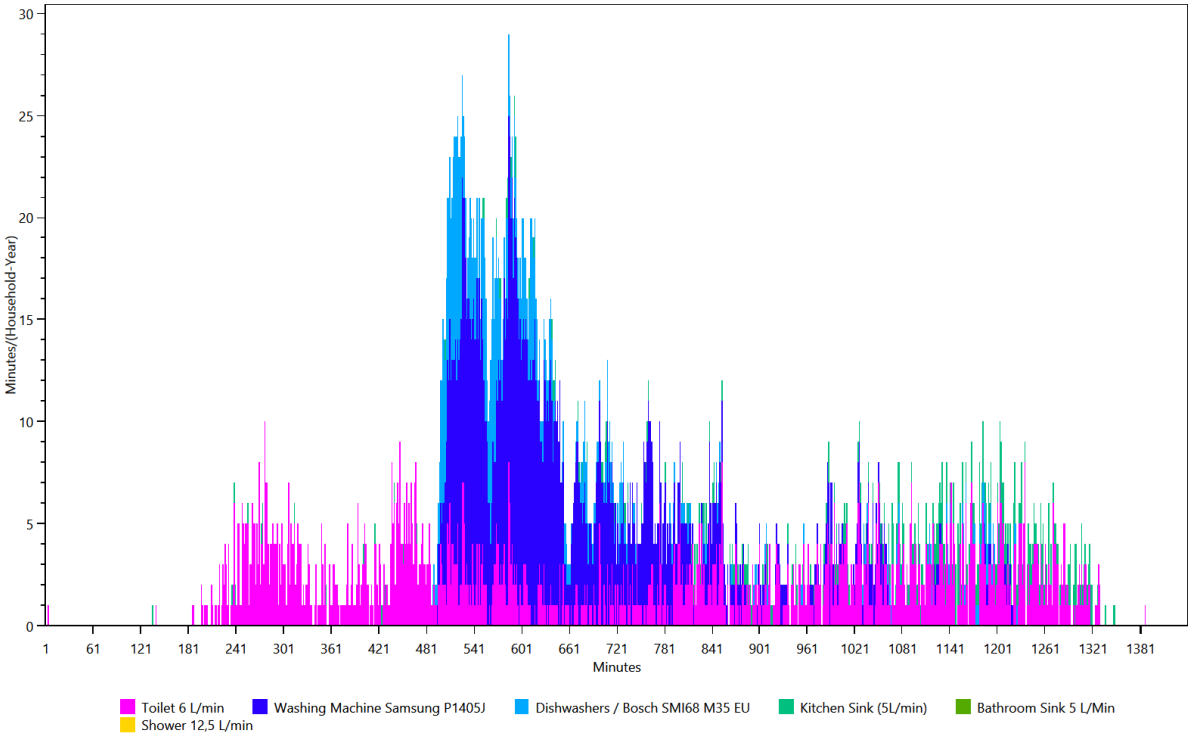


Overview of the time of the use per load type per device

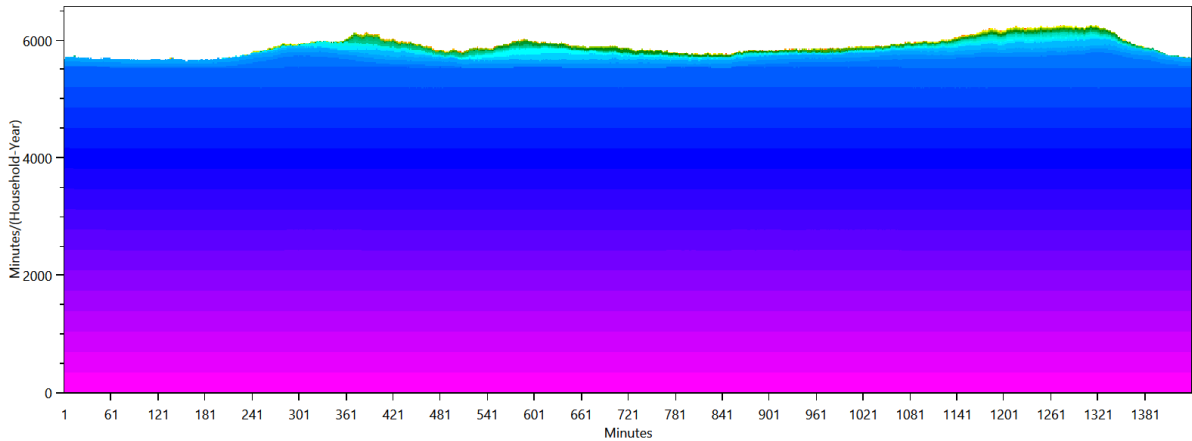
This is made from the files starting with: TimeOfUseEnergyProfiles

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

Cold Water

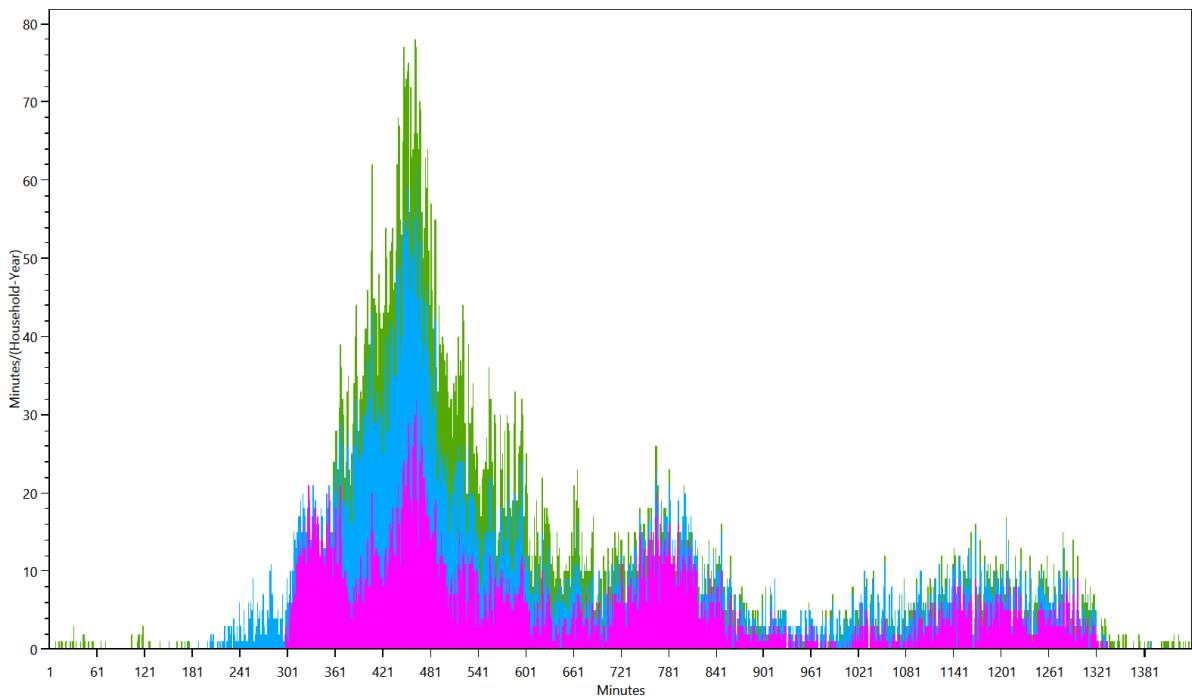


Electricity



- Laptop / Dell Inspiron
- CD/DVD Player / Philips HDR3810/31
- Panasonic Hifi System (unknown type)
- Beamer / Acer H7531D
- SAT Receiver / Kathrein UFS913
- Hifi System / Sharp XL-HF300PH
- Grundig 70cm CRT
- Home Cinema System / Samsung HT-D5550
- Nintendo Wii
- Electric Toothbrush Dondodent Professional Clean
- Router / AVM FRITZ! Box Fon WLAN 7390
- Phone Siemens Gigaset C320
- Microwave / Panasonic NN-CD757W
- Yamaha RX-V667
- Electric Razor / Philips PT860/16 Razor PowerTouch Plus
- Kitchen radio / AEG KRC 4323 CD
- Living Room Light (100W)
- Bauknecht GTE 260
- Siemens KI 20 LA 65 (A+)
- Kitchen Light (60W)
- Washing Machine Samsung P1405J
- Bathroom Light (60W)
- Dishwashers / Bosch SMI68 M35 EU
- Bathroom Mirror Light 30W (CFL)
- Miele H 5241 B
- Fondue / Unold 48746 Asia
- Miele DA 249-2
- Coffee Machine / Braun KF 580E
- Juicer / Moulinex Vitafruit
- Bedroom Light (200W)
- Steam Cooker / Philips HD9140
- Hedge Trimmer / Bosch AHS 550-24 ST
- Lawn Mower / Sabo 36-EL SA 752
- Bread Baking Machine Unold 6595
- Hair Dryer Braun Silencio 1250
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front left
- Children Room Light (200W)
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Miele DA 61
- Atika LH 2500 G
- Kitchen professional Hot Stone
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Ricecooker / Tristar RK-6112
- Osram Light Bulb Classic A 60W
- Toaster / Bosch TAT8SL1
- Food Slicer / DOMO Schneidemaschine DO5215
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Handmixer / Phillips Robust HR 1581
- Electric Kettle / Petra WK288 1.5L
- Coffee Machine / Braun Impression KF 600
- Braun Multiquick 3 MR 300 Soup
- Electric Kettle / Phillips Essential HD 4685/90 Schwarz

Warm Water



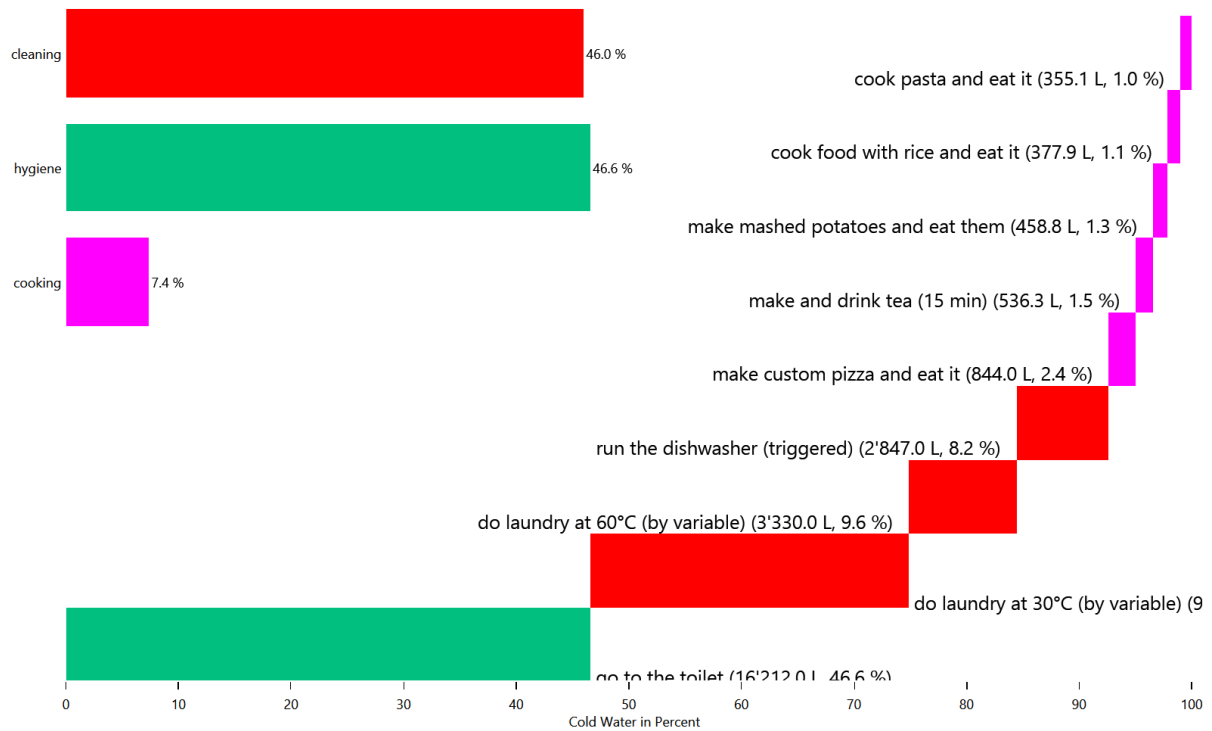
- Shower 12,5 L/min
- Bathroom Sink 5 L/Min
- Kitchen Sink (5L/min)

Energy/Resource use distribution per load type per affordance

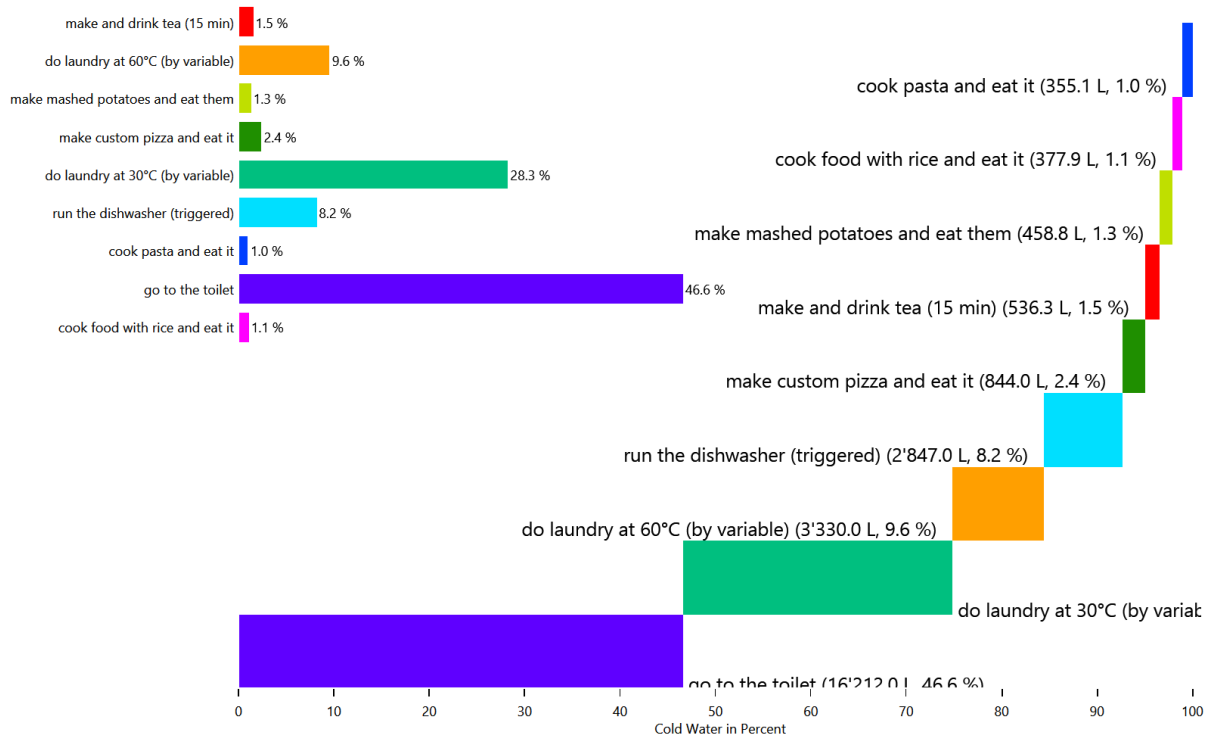
This is made from the files starting with: **AffordanceEnergyUse**

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

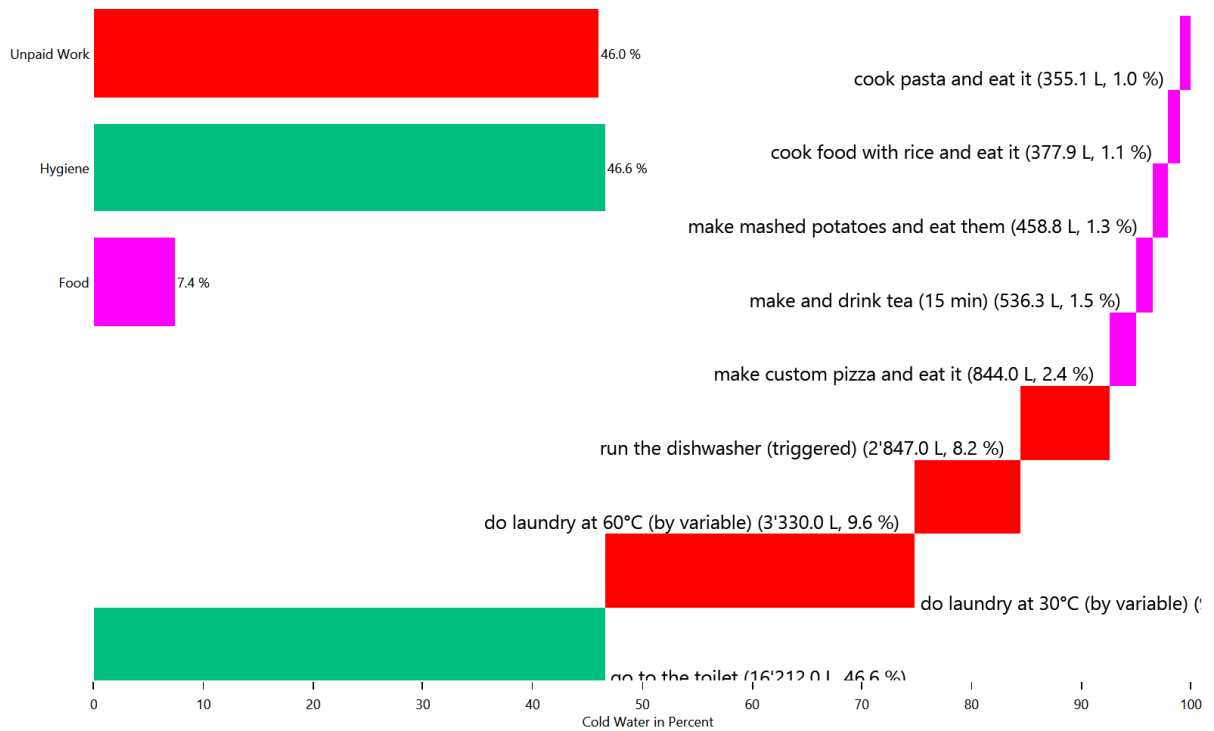
HH0 - Cold Water



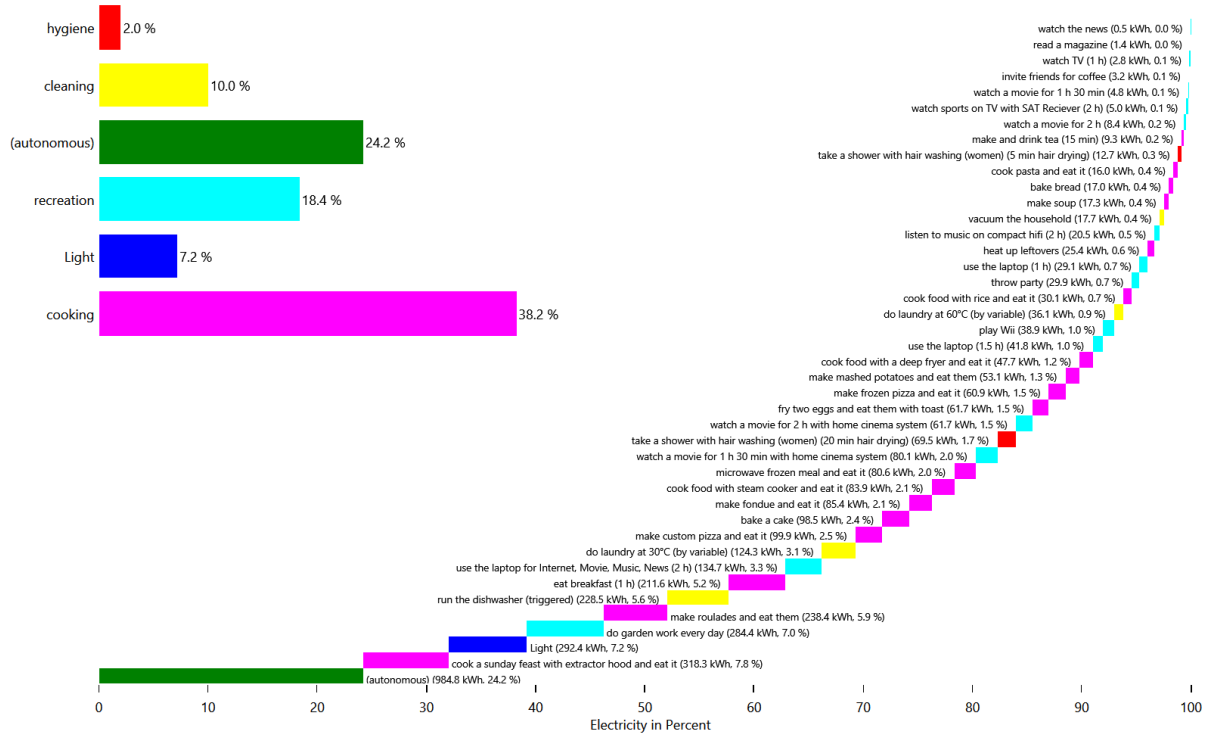
HH0 - Cold Water



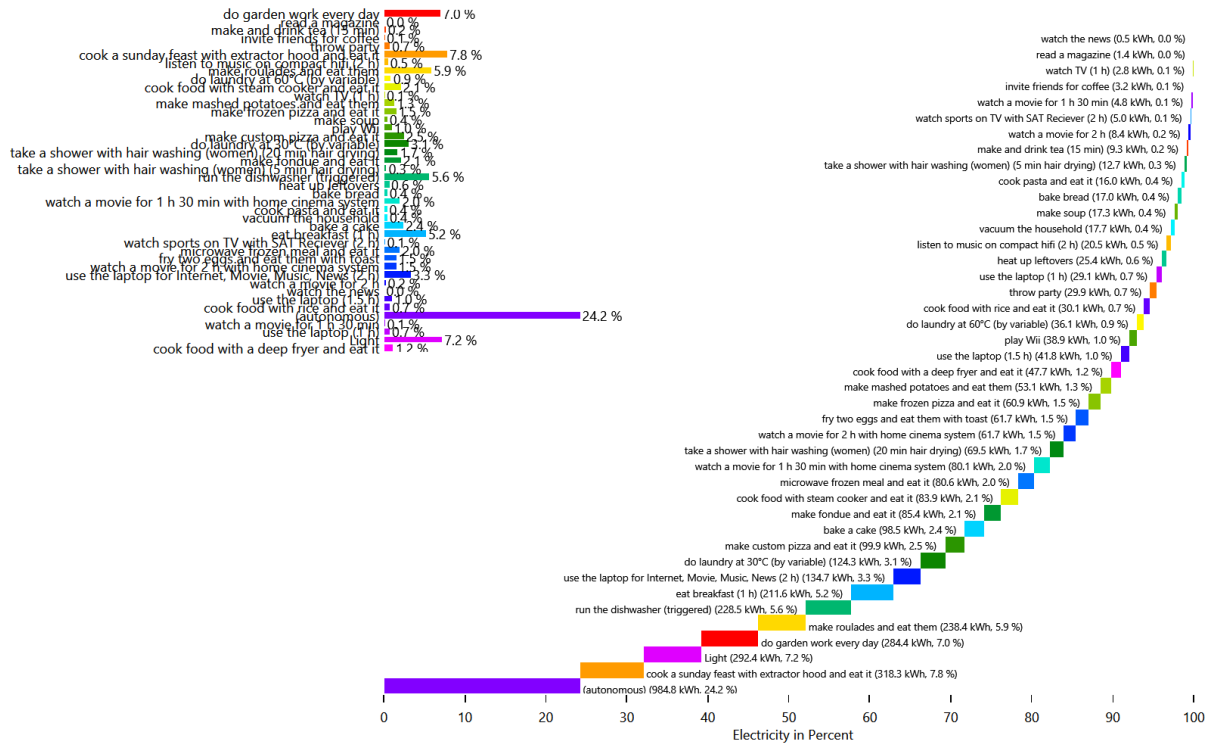
HH0 - Cold Water



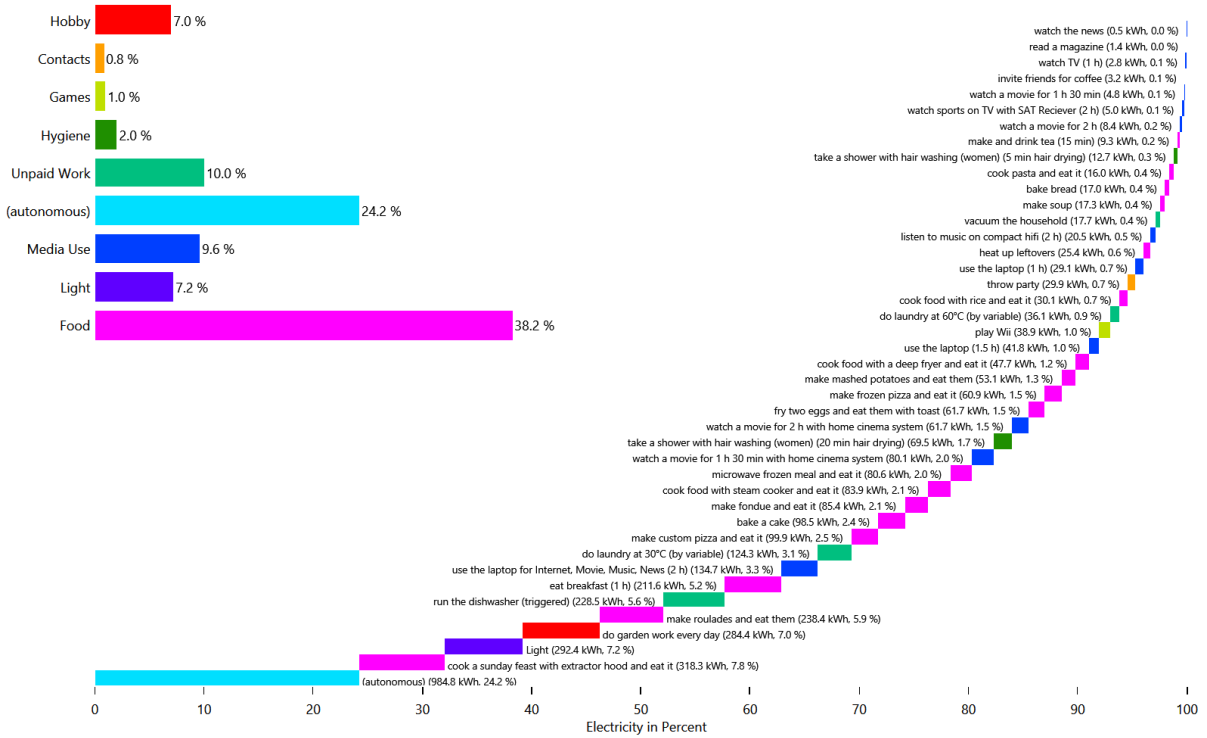
HH0 - Electricity



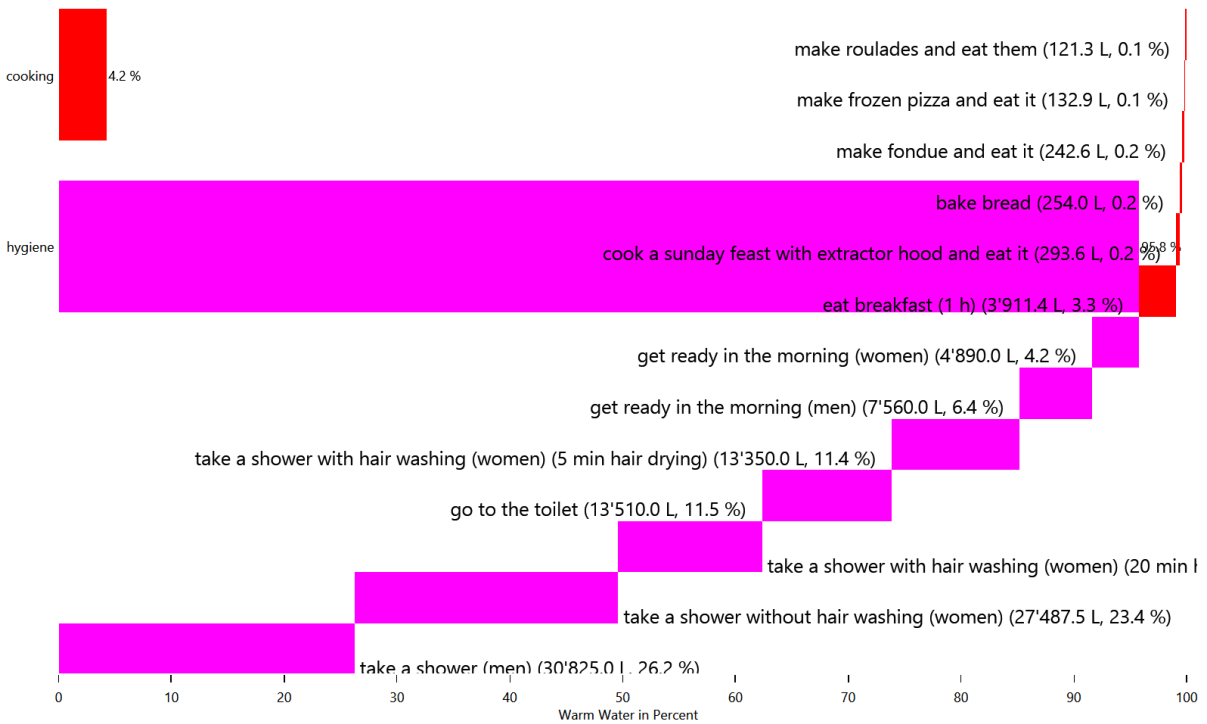
HH0 - Electricity



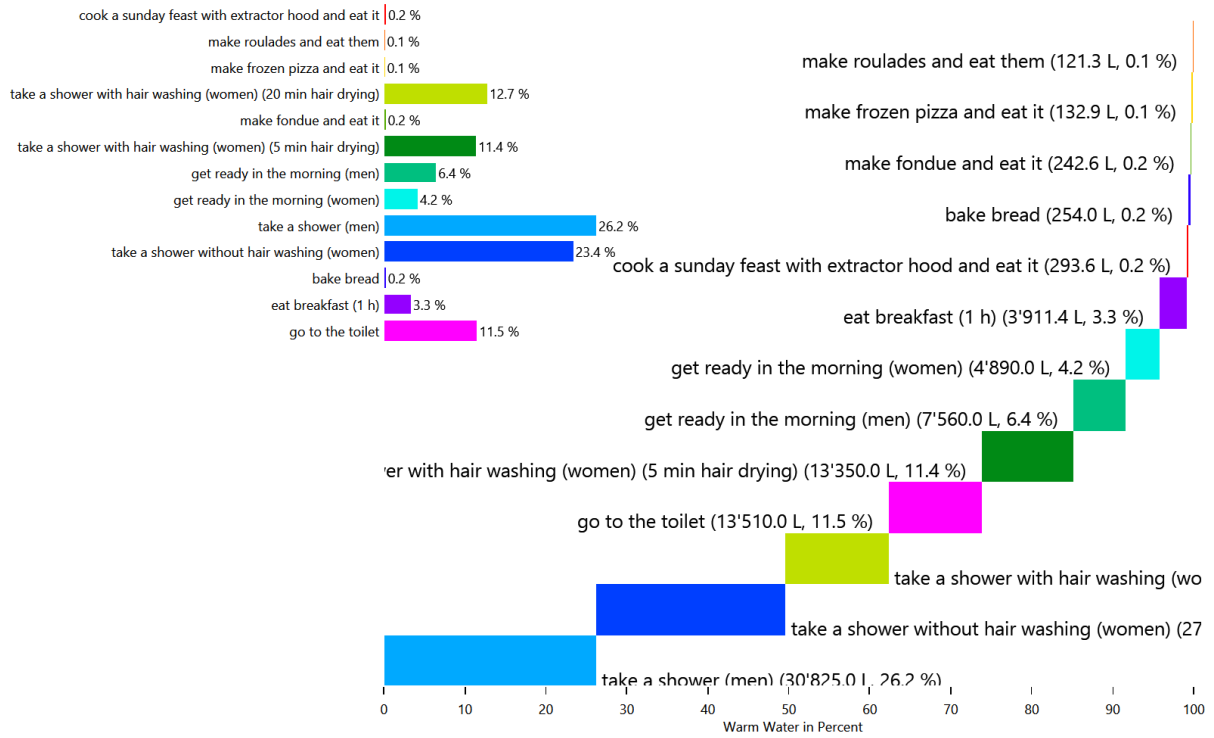
HH0 - Electricity



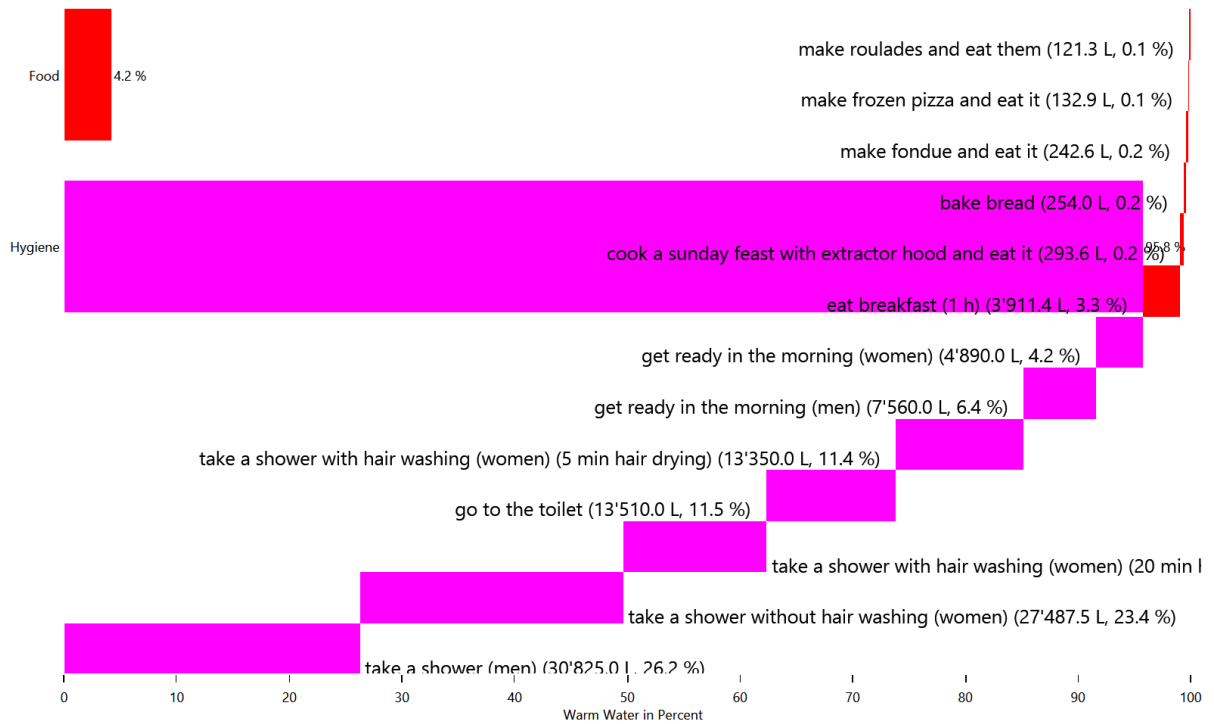
HH0 - Warm Water



HH0 - Warm Water



HH0 - Warm Water

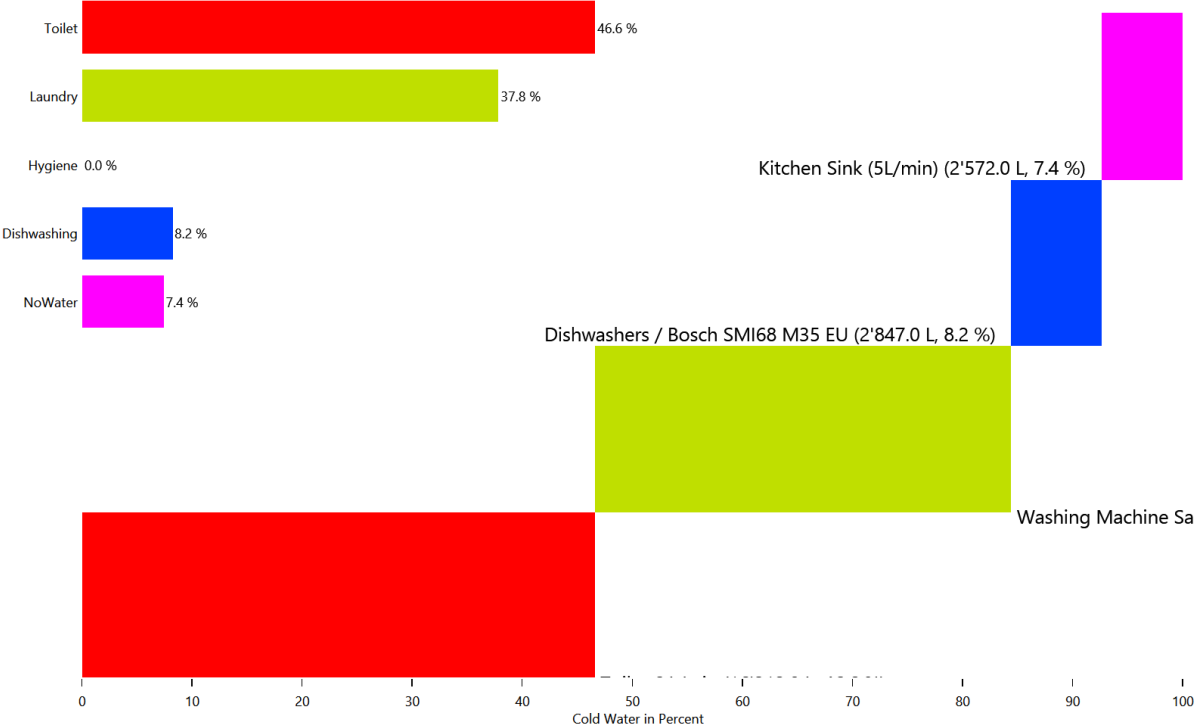


Energy use for each load type for each device

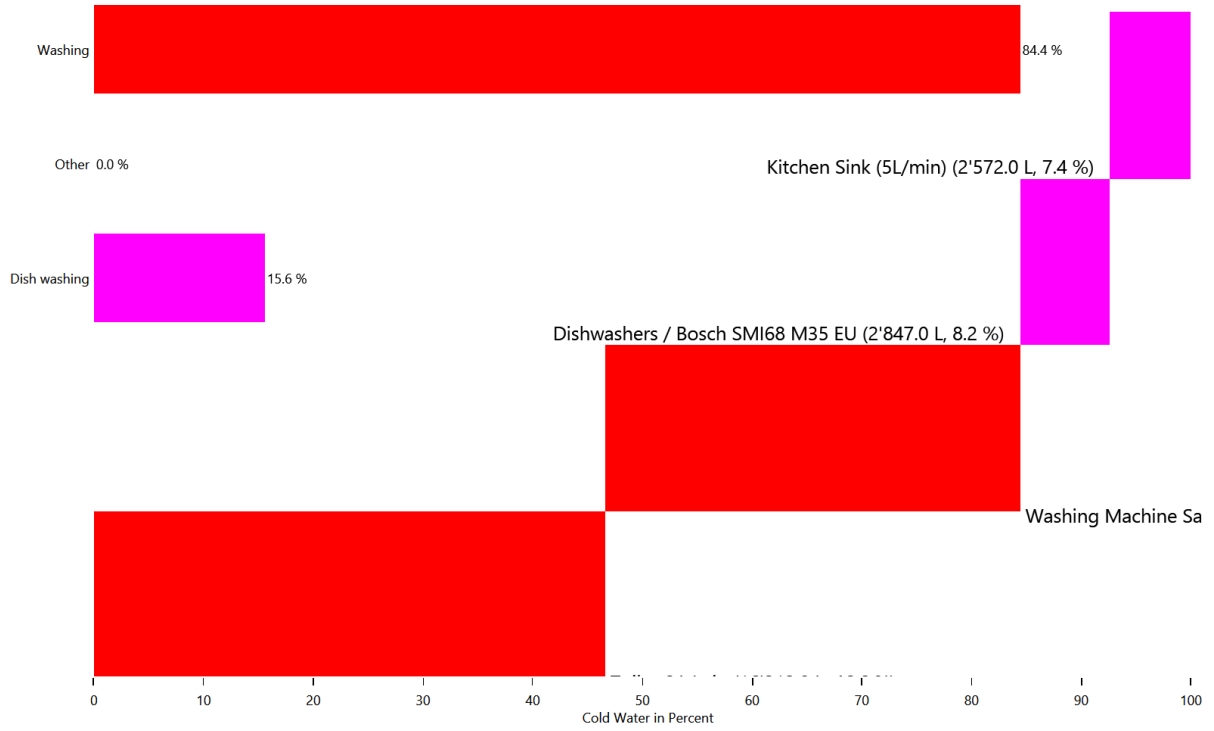
This is made from the files starting with: DeviceSums

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

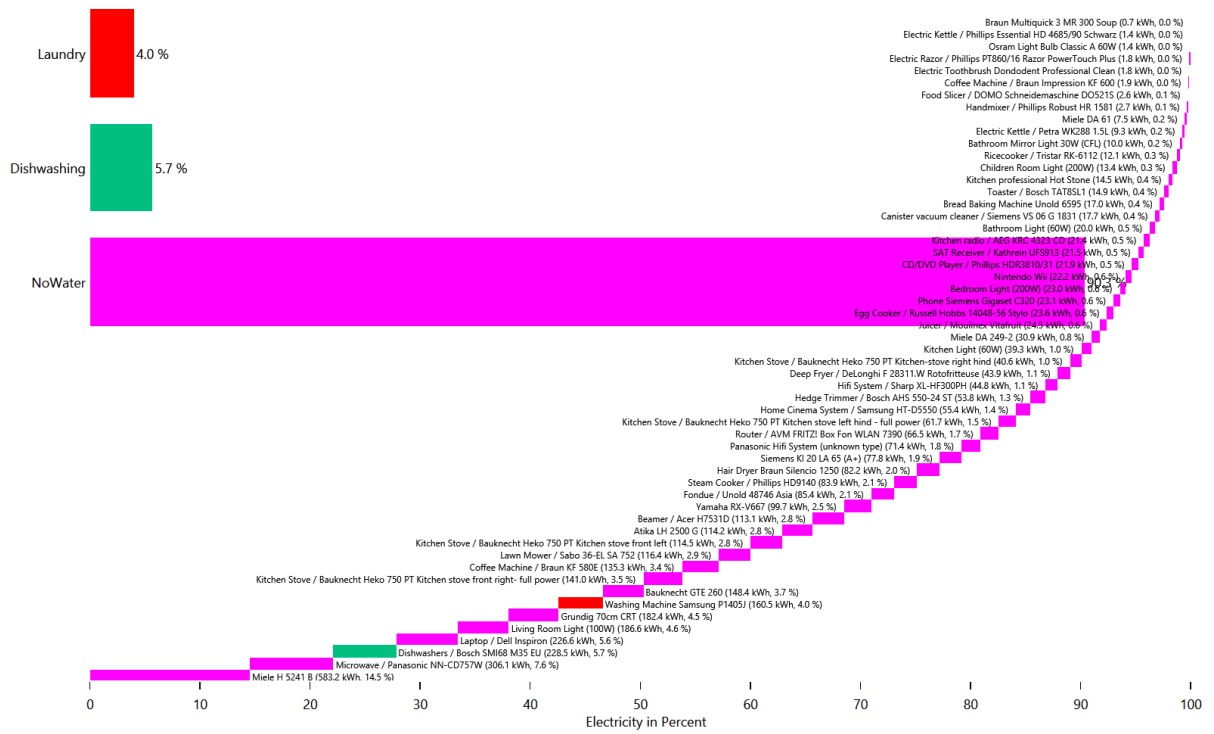
Cold Water



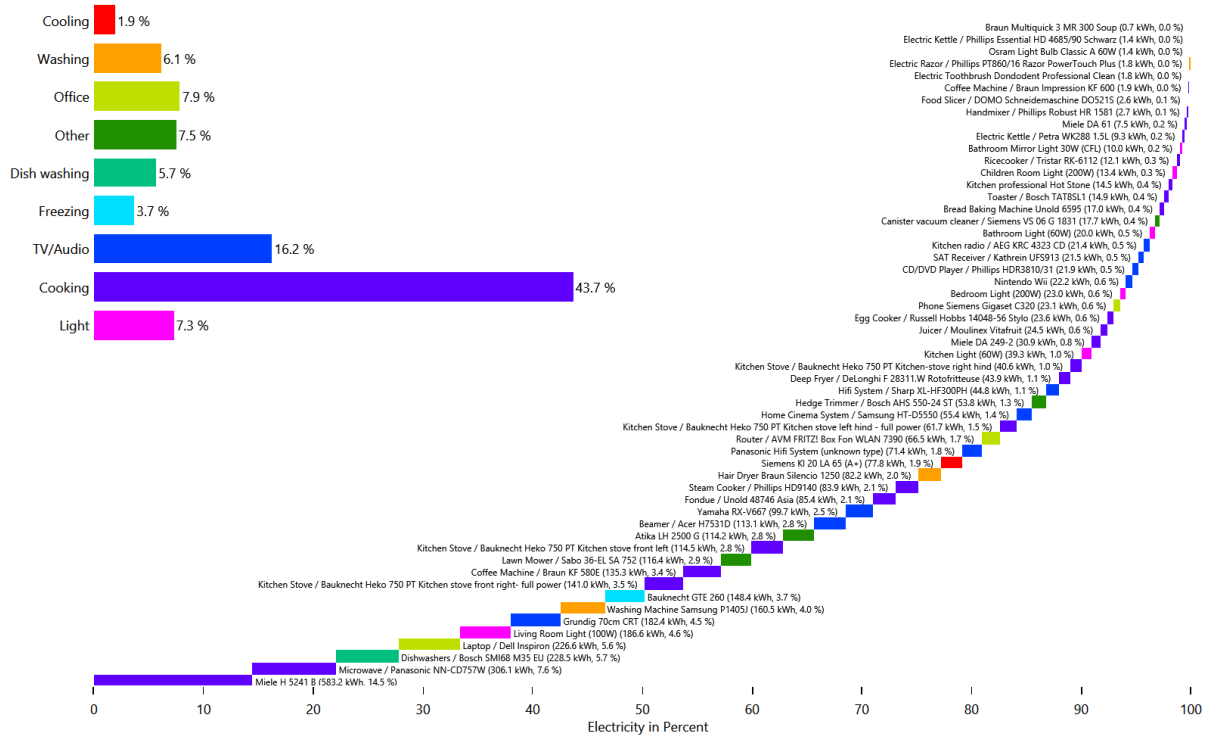
Cold Water



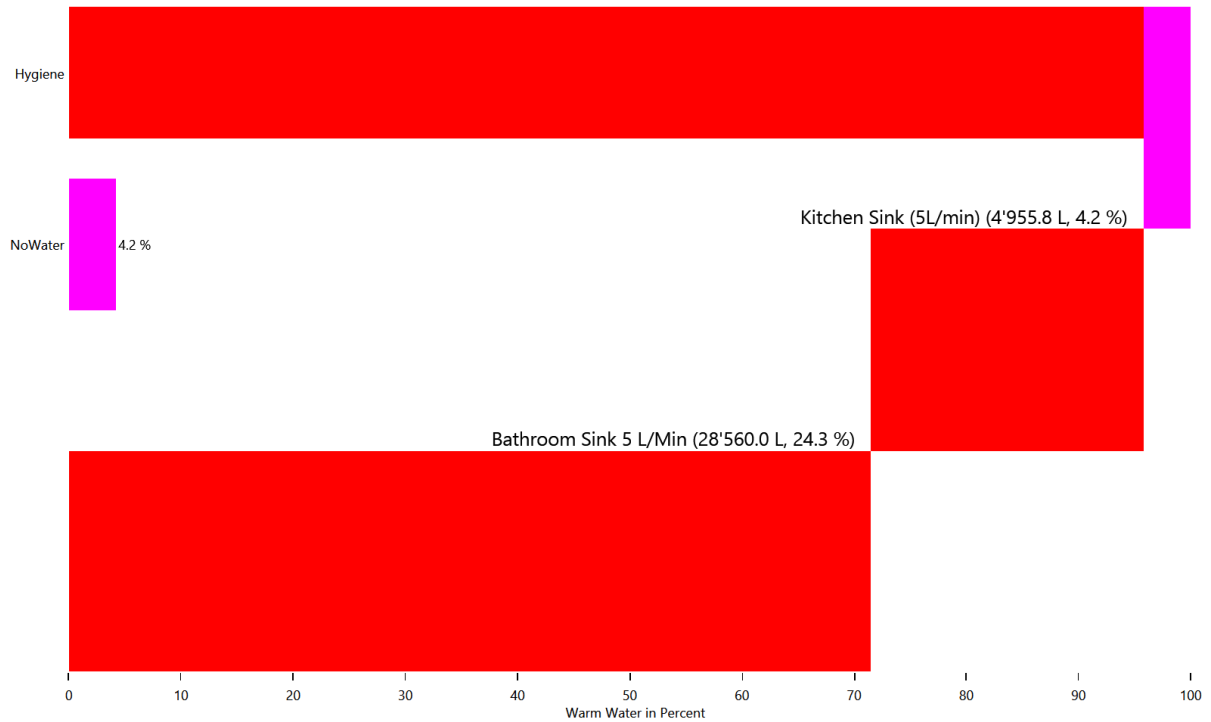
Electricity



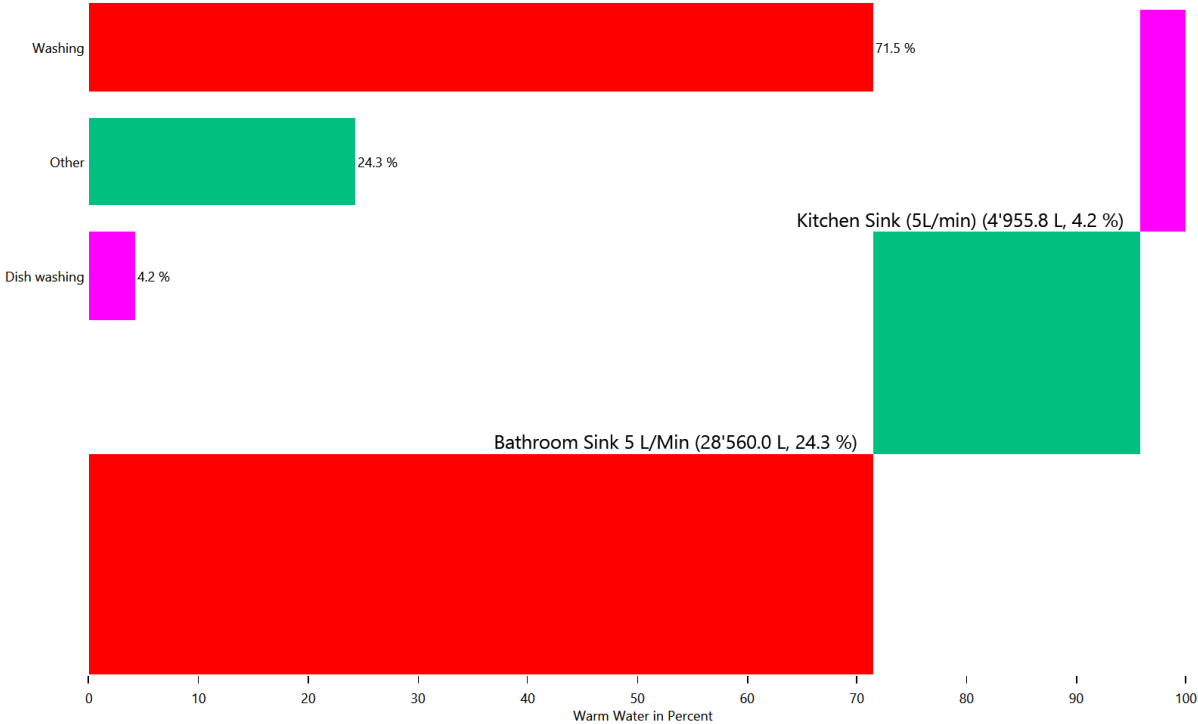
Electricity



Warm Water



Warm Water

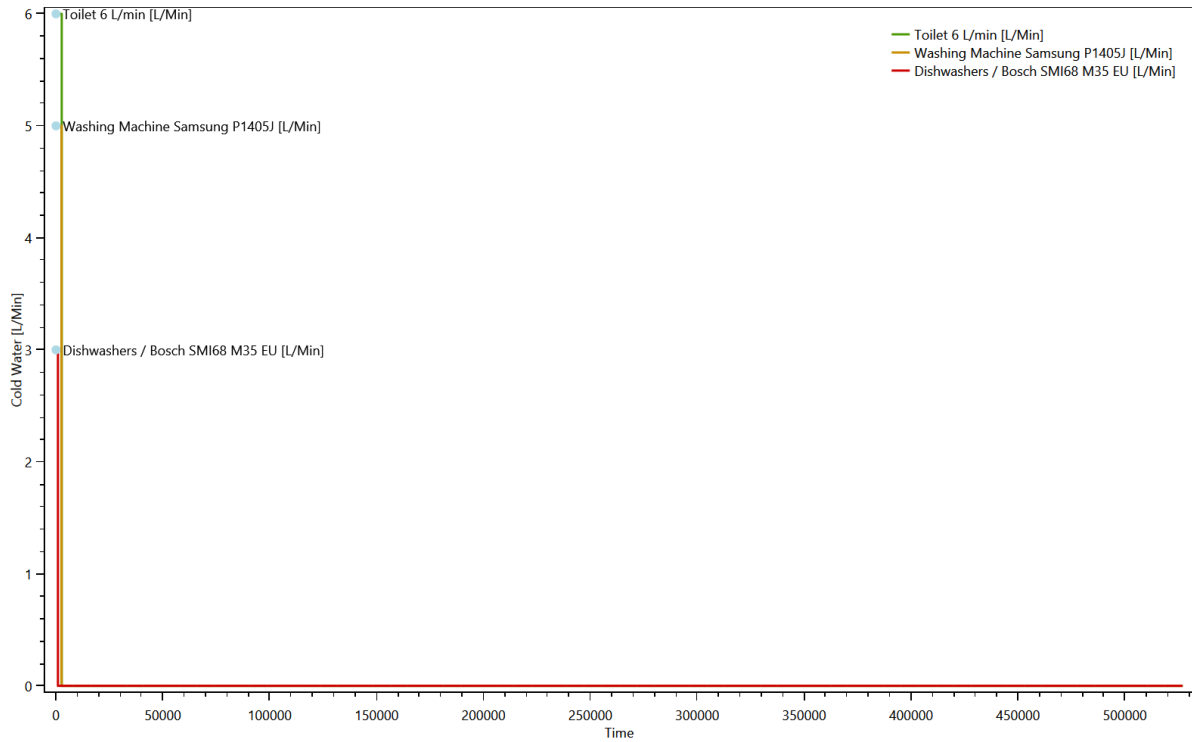


Duration curve for each device for each load type

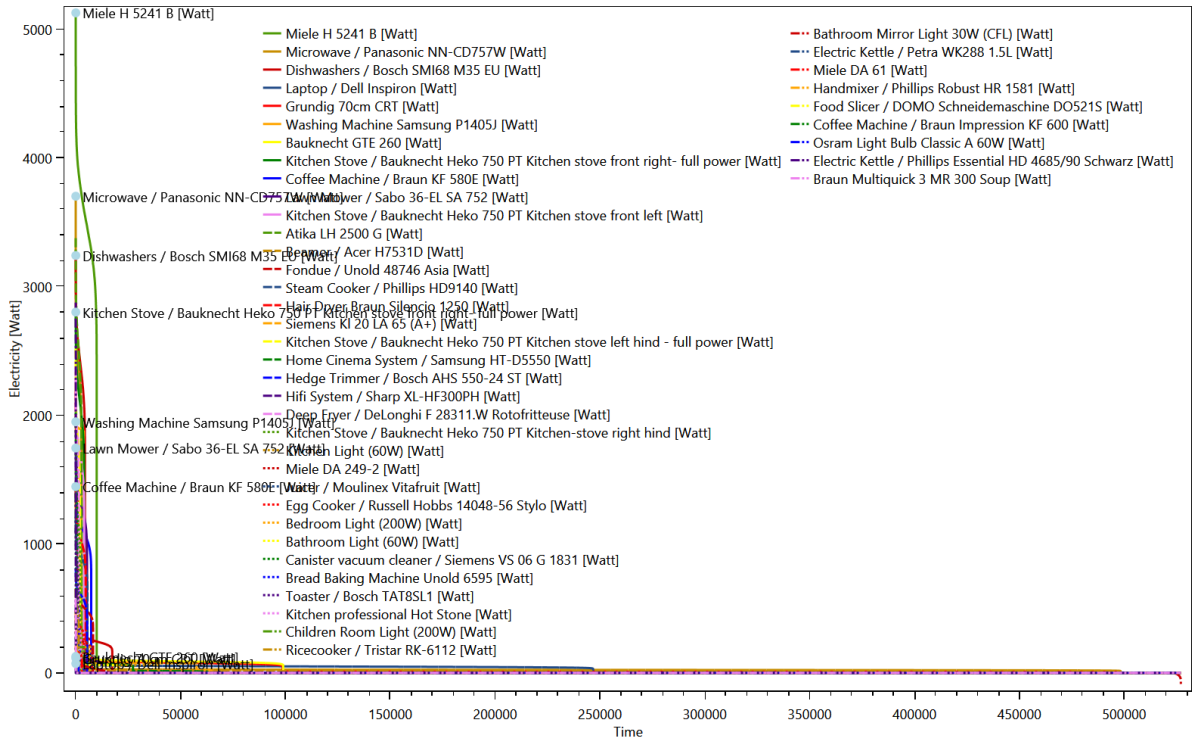
This is made from the files starting with: DeviceDurationCurves

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

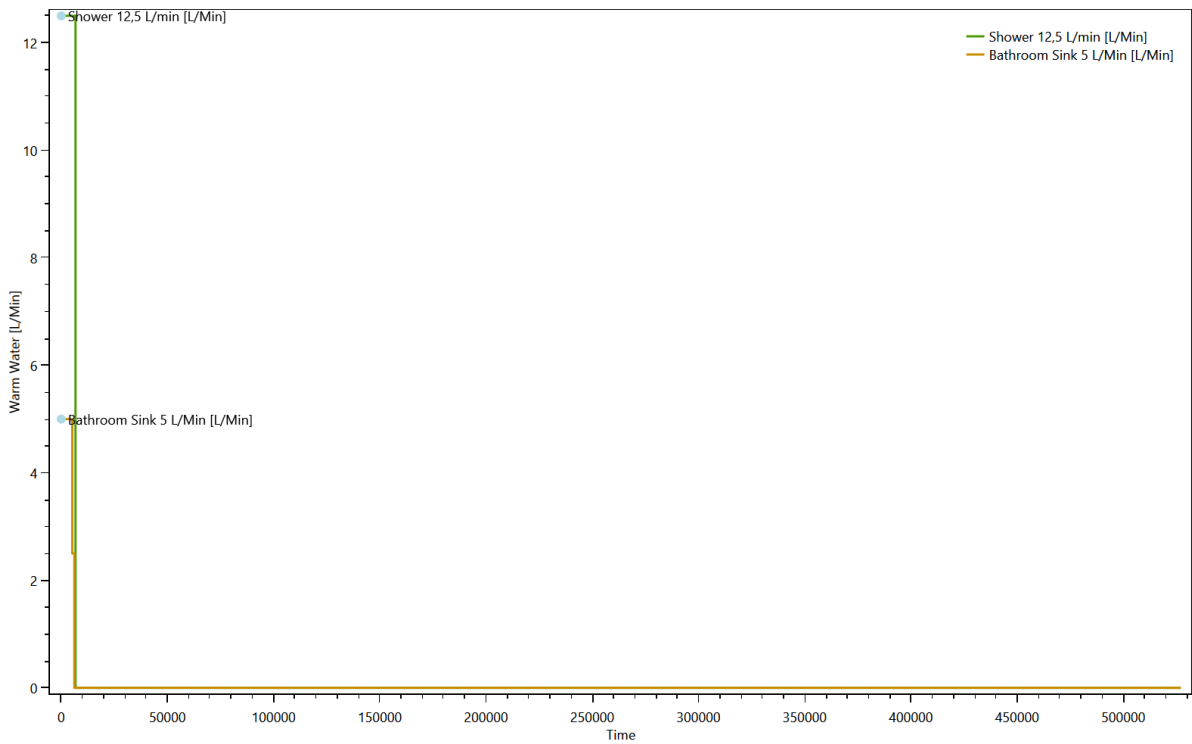
Cold Water



Electricity



Warm Water

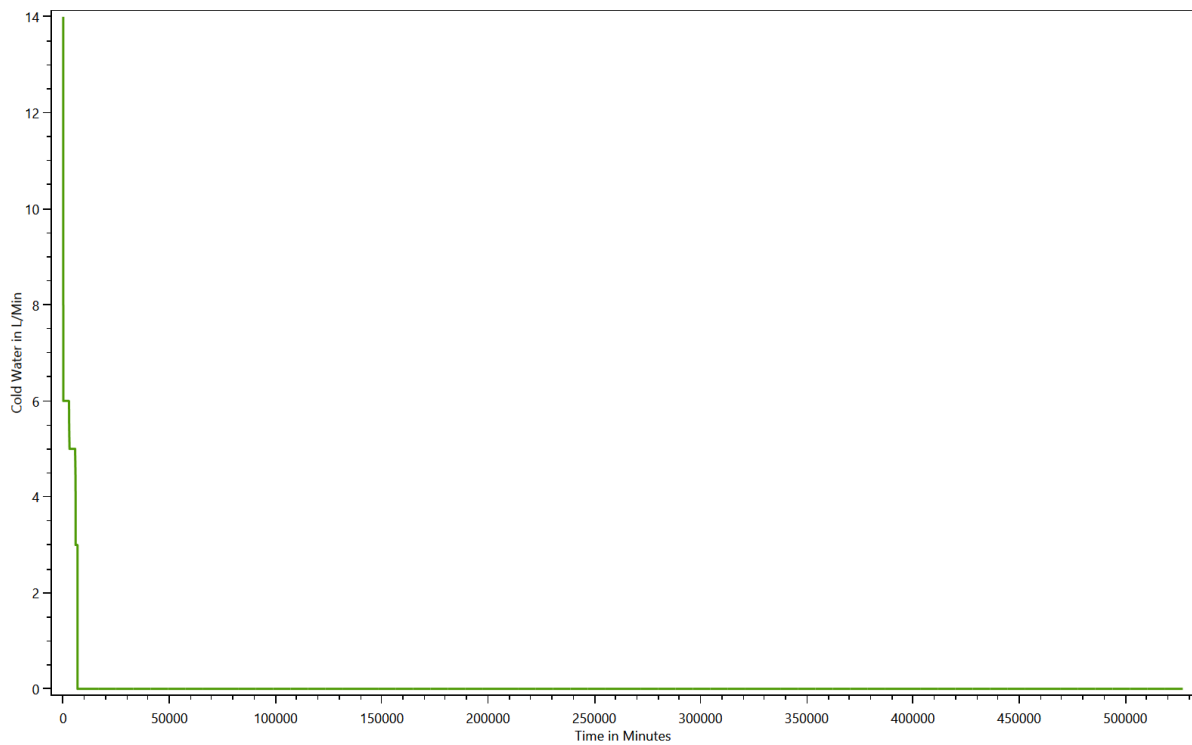


Duration curve for each load type

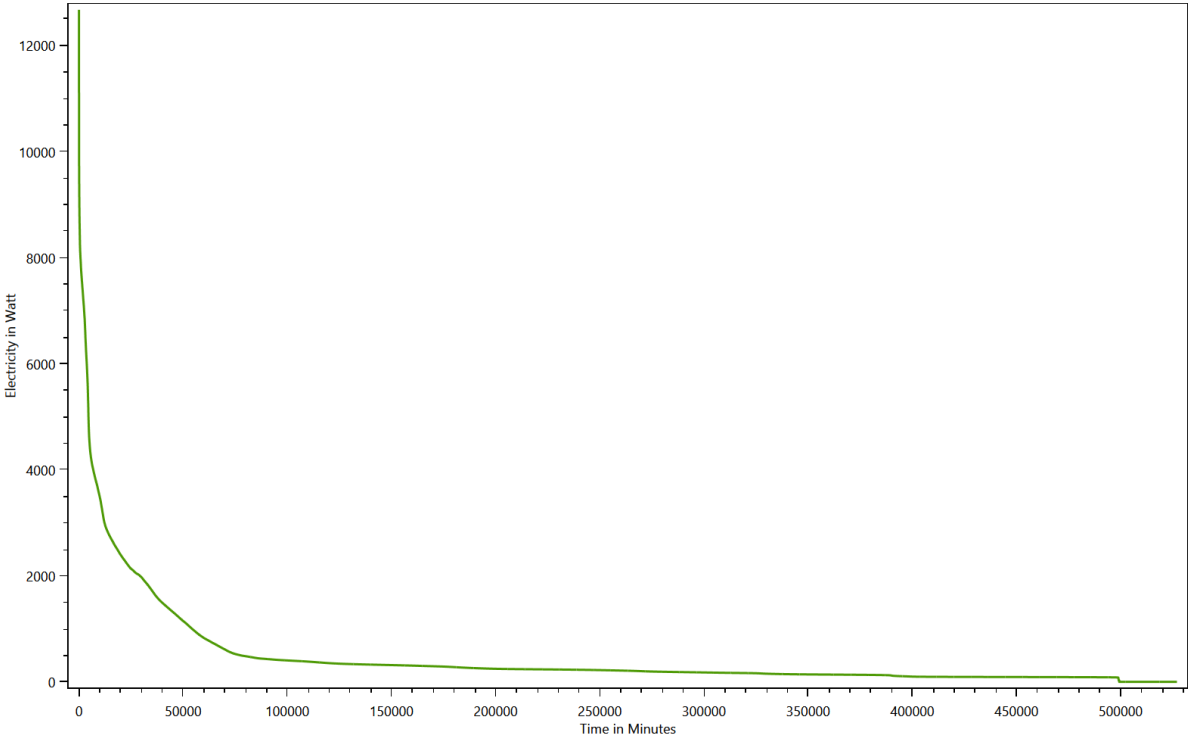
This is made from the files starting with: DurationCurve

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

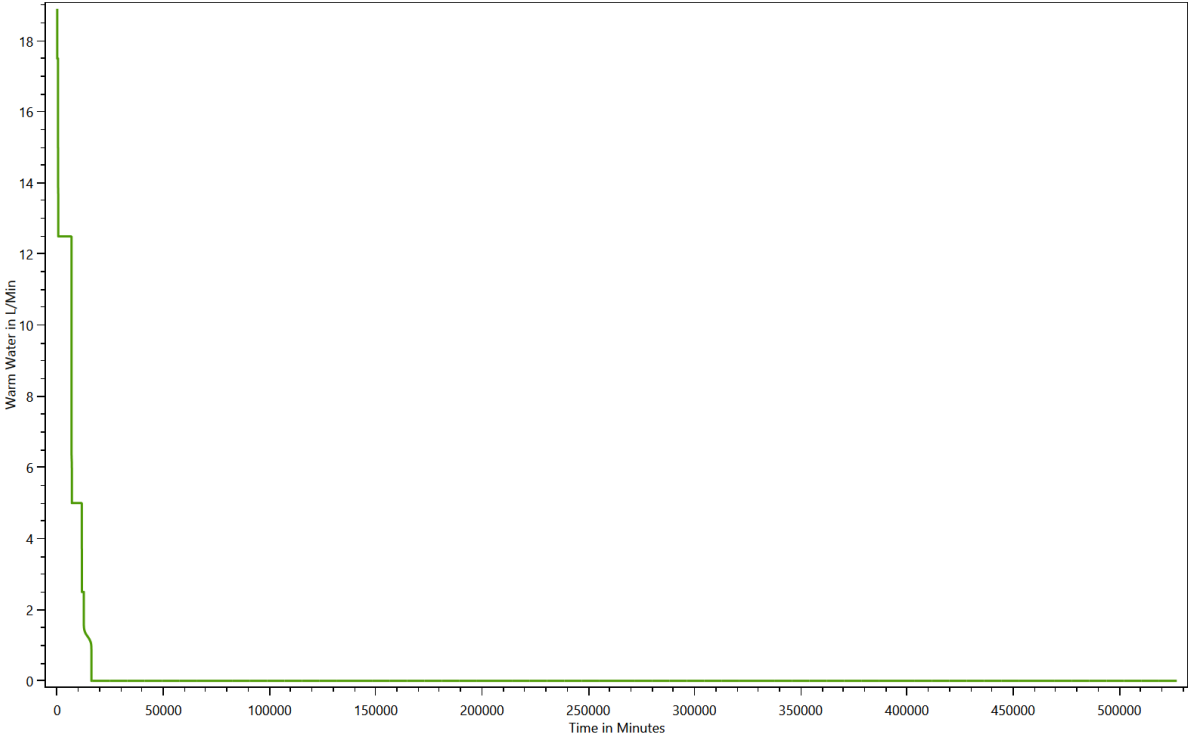
Cold Water



Electricity



Warm Water

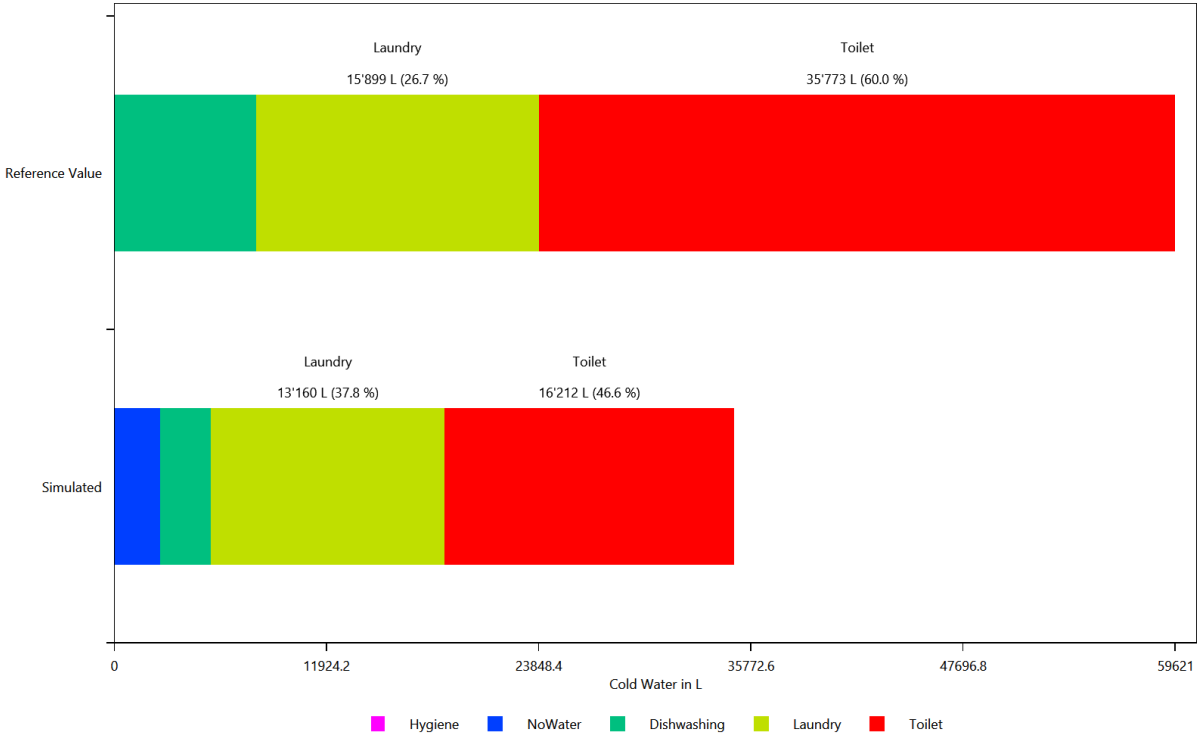


Grouped energy use for each load type for each device

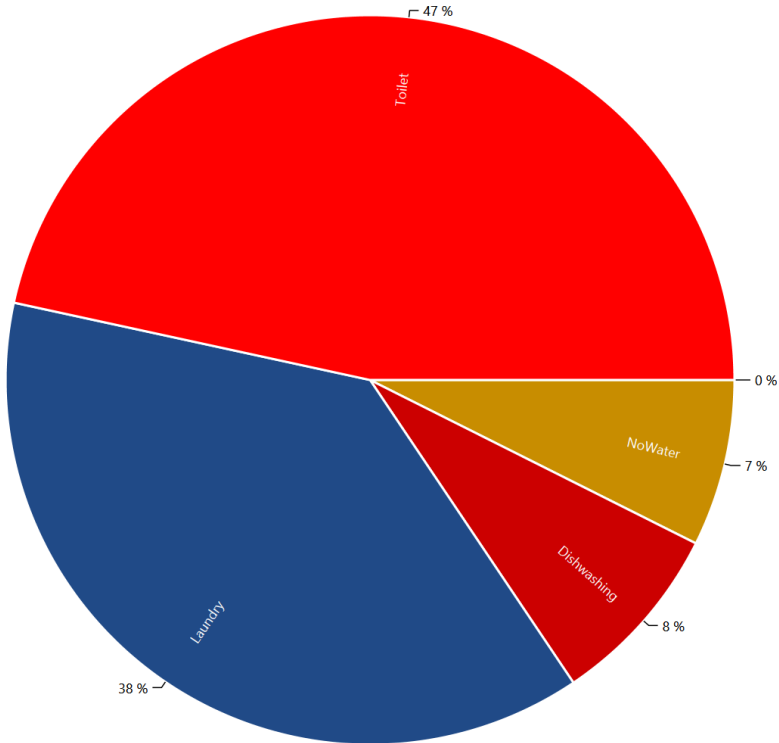
This is made from the files starting with: DeviceTaggingSet

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

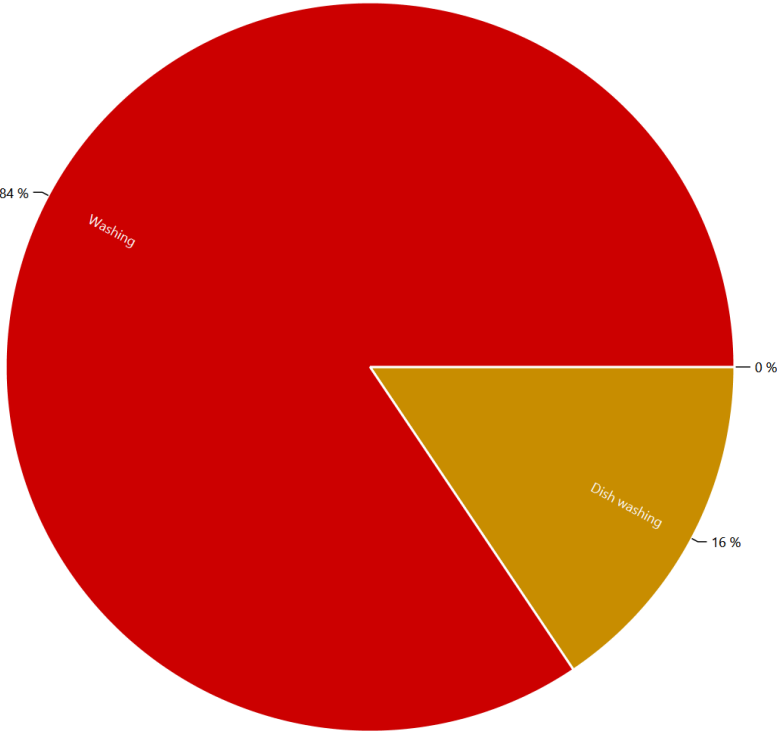
HH0 - Destatis Water Usage Statistics - Cold Water



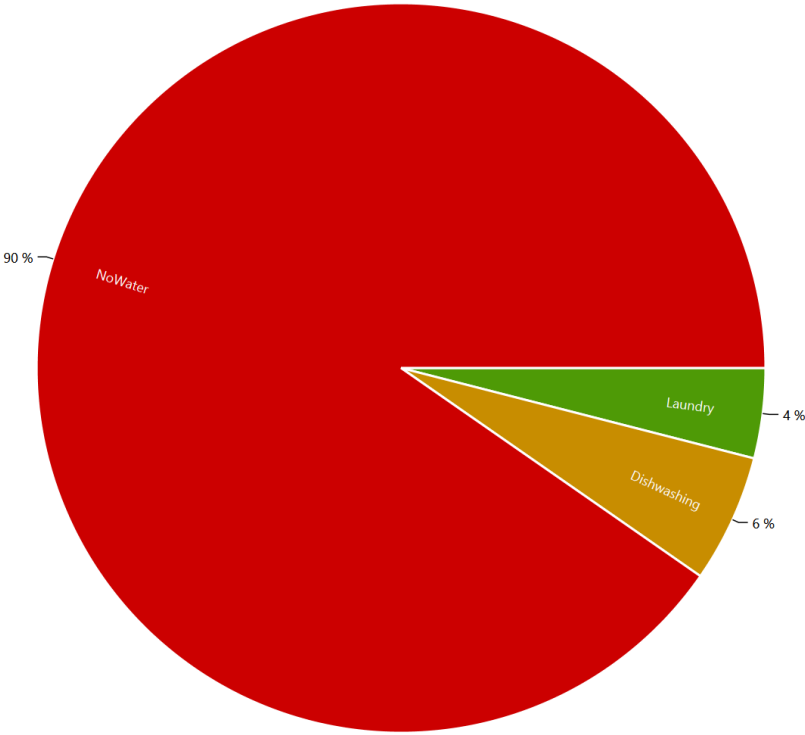
HH0 - Destatis Water Usage Statistics - Cold Water



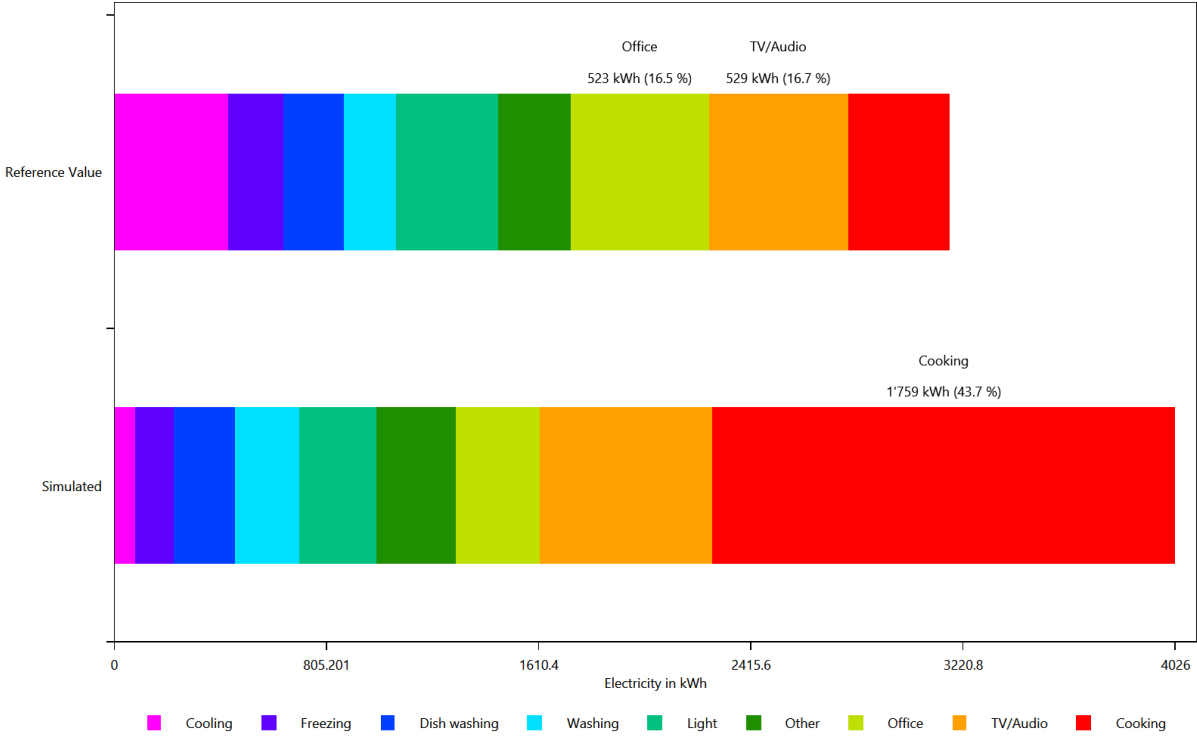
HH0 - Energieagentur - Cold Water



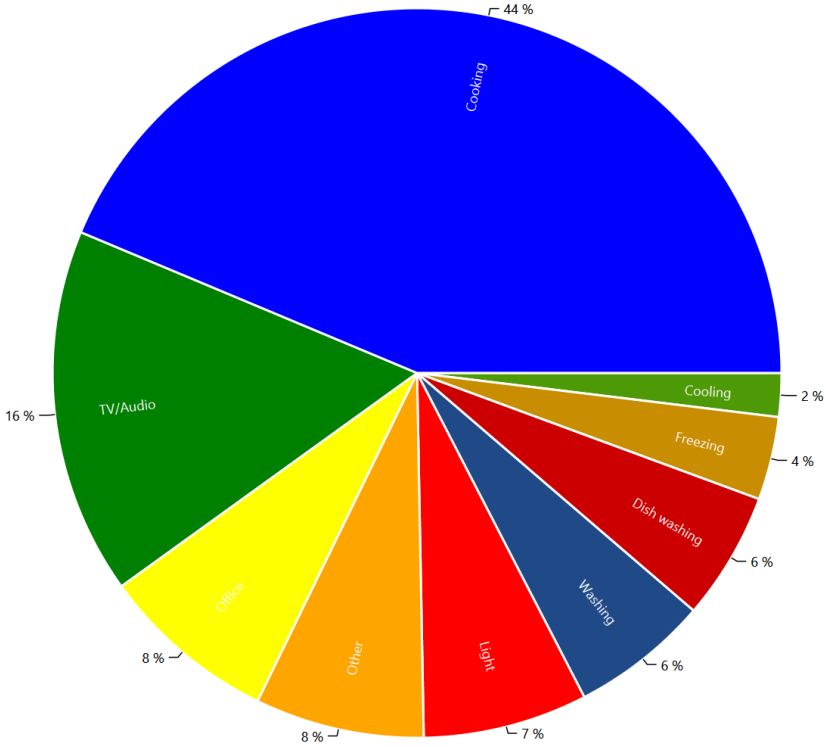
HH0 - Destatis Water Usage Statistics - Electricity



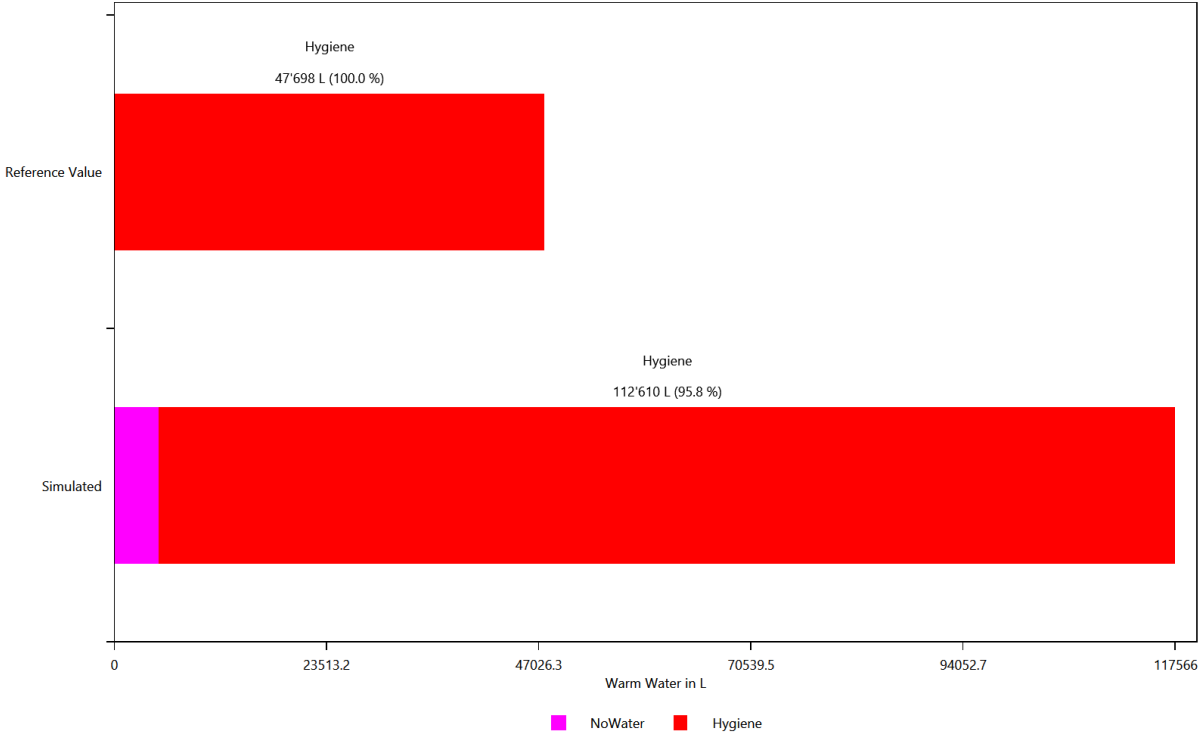
HH0 - Energieagentur - Electricity



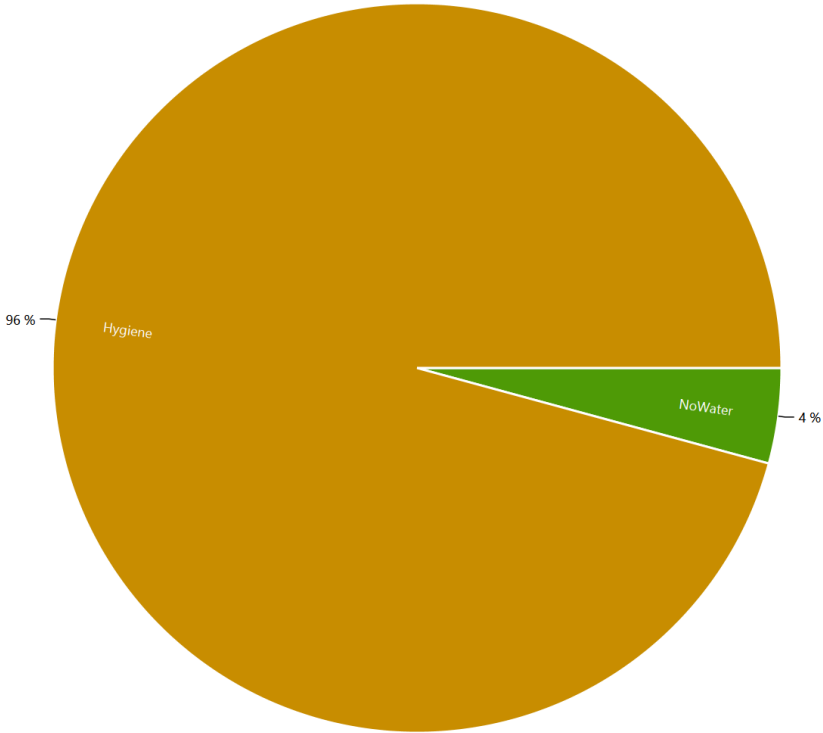
HH0 - Energieagentur - Electricity



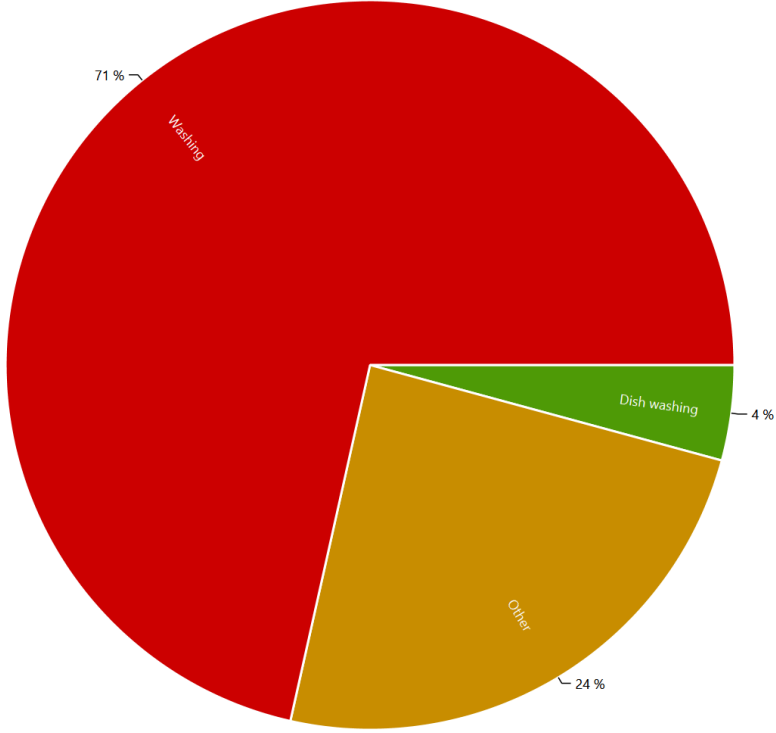
HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

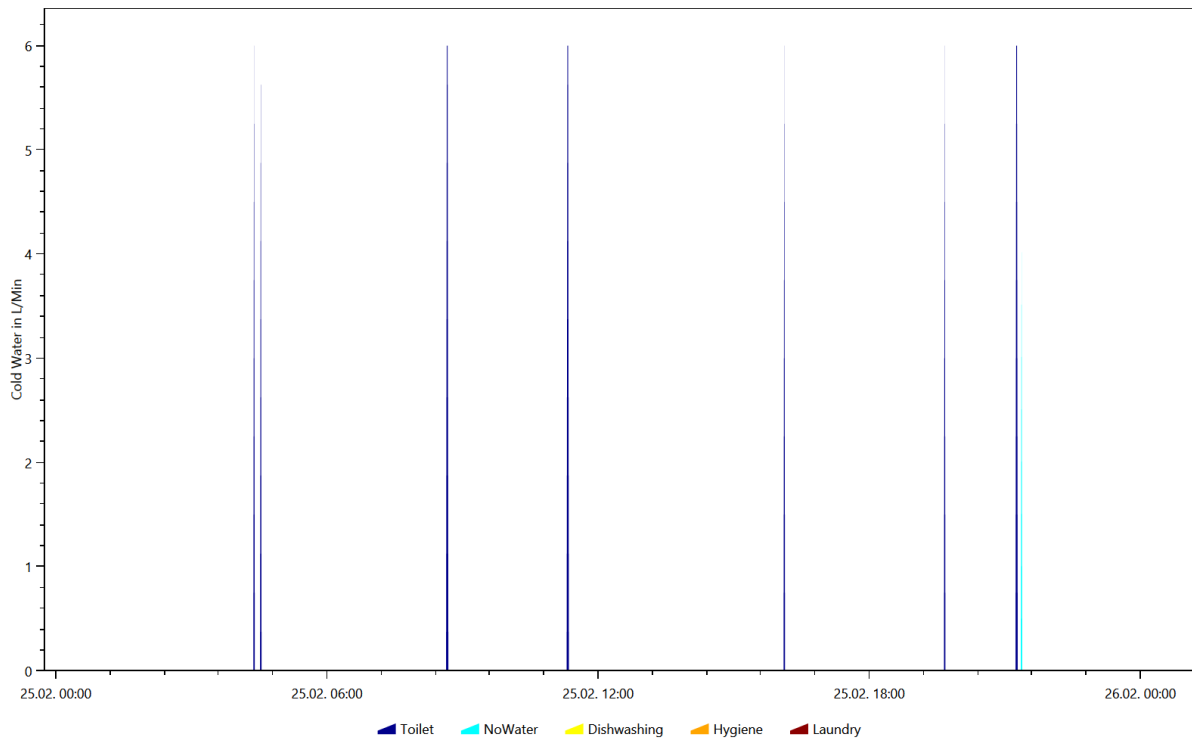


Example of the device profiles for each load type

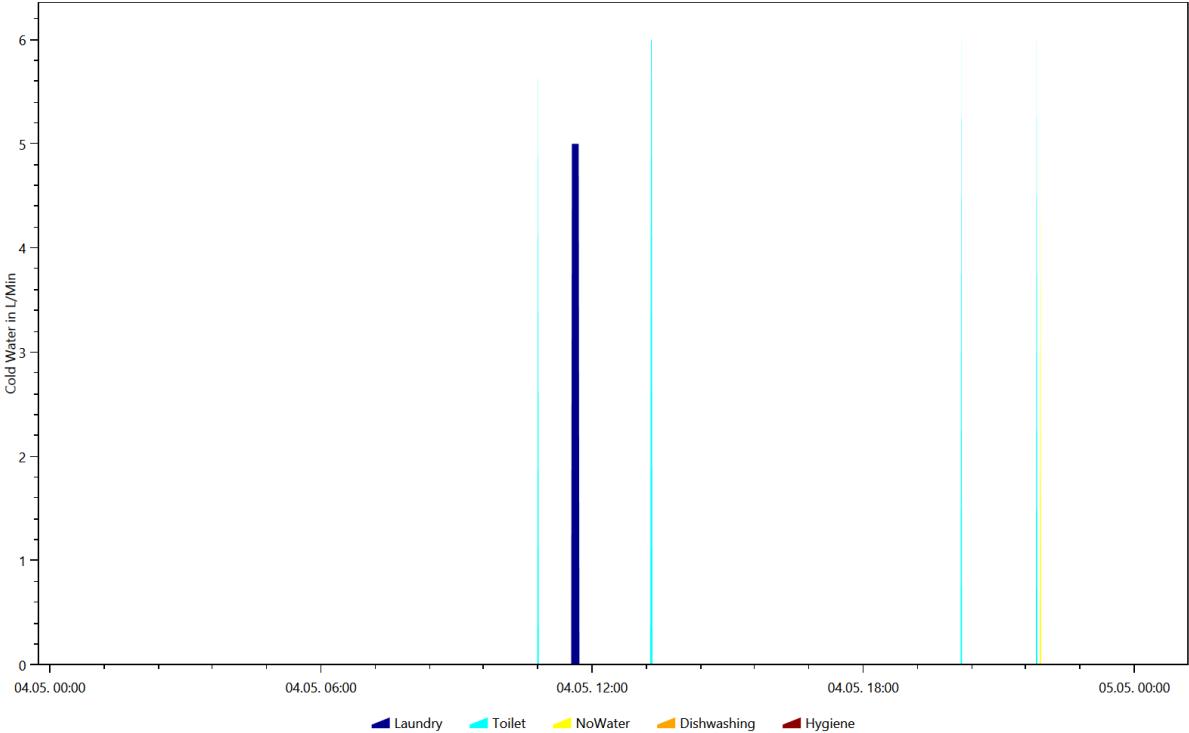
This is made from the files starting with: DeviceProfiles

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

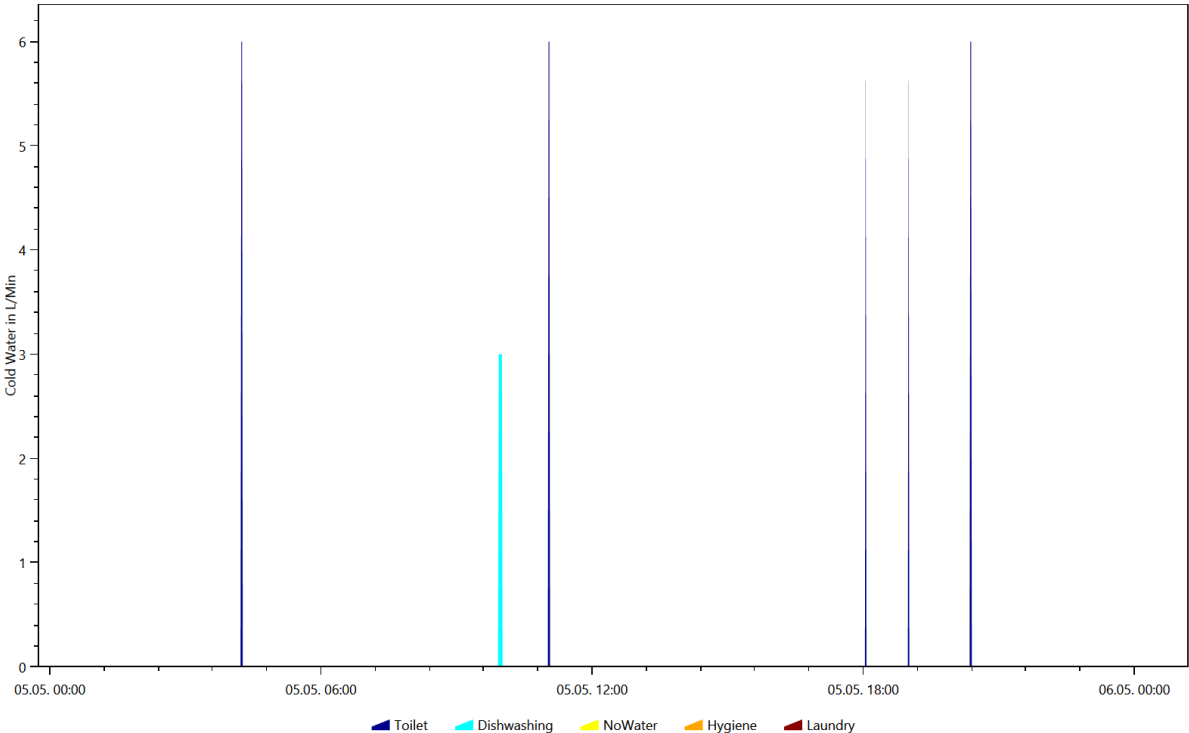
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.25



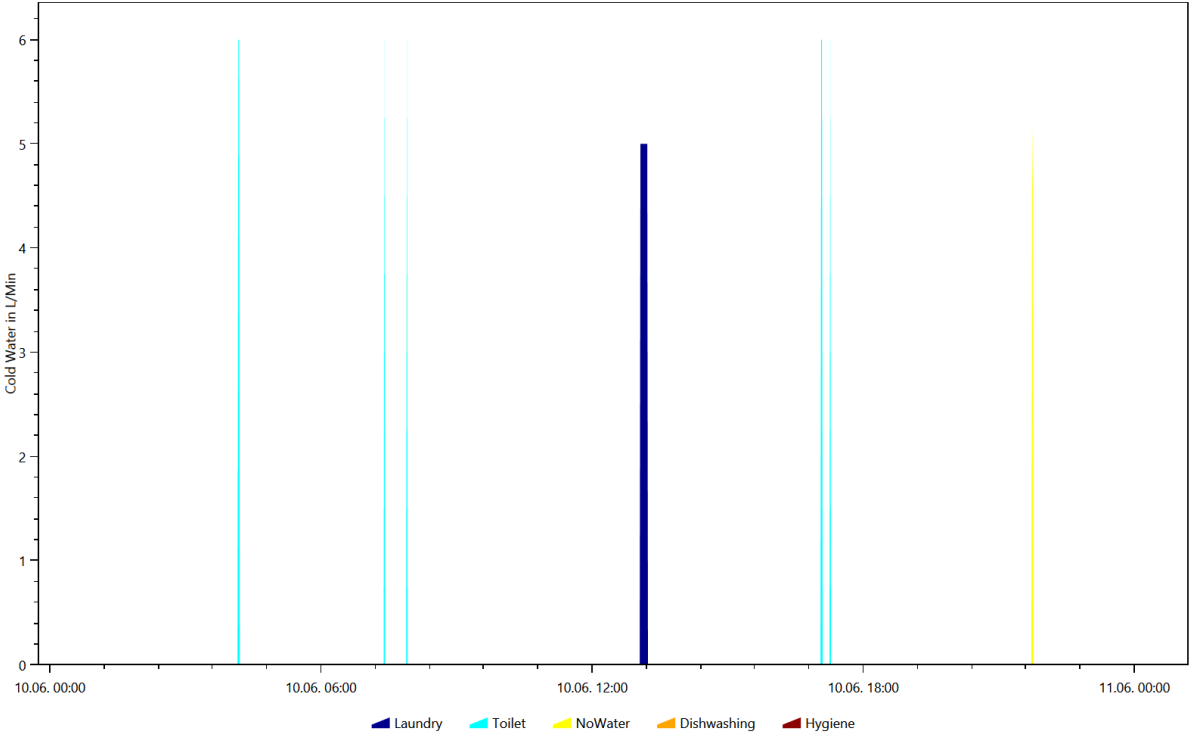
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.4



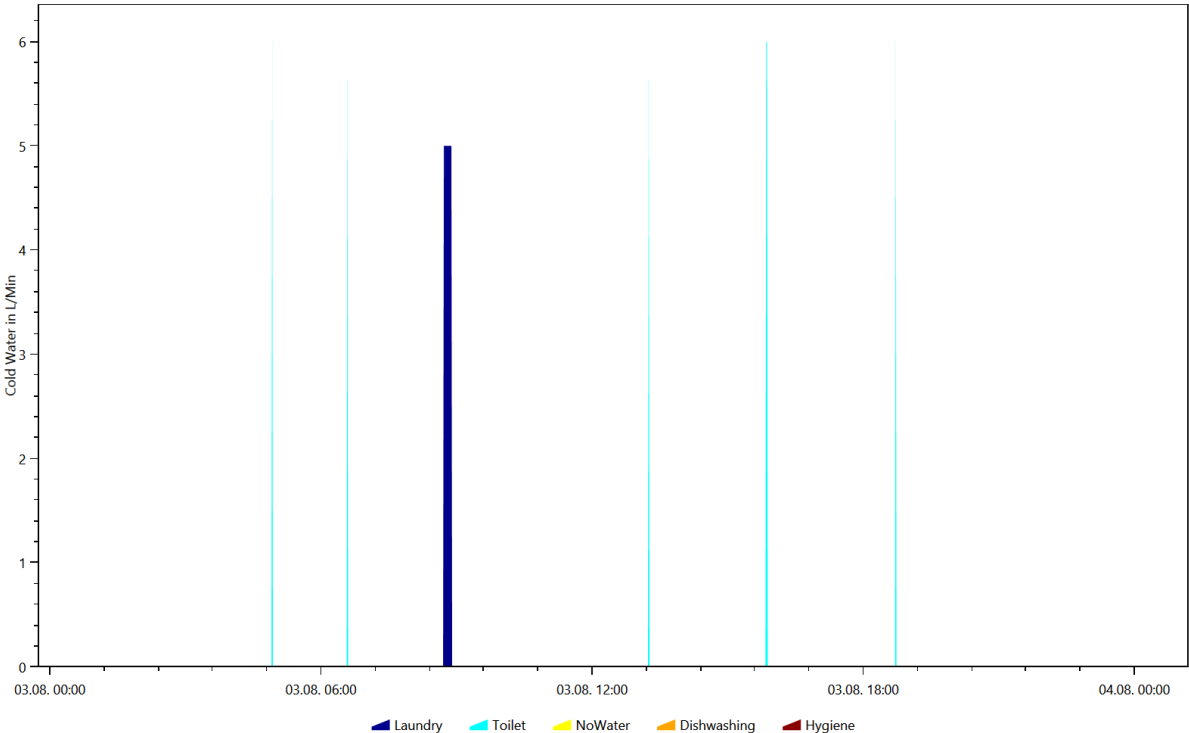
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.5



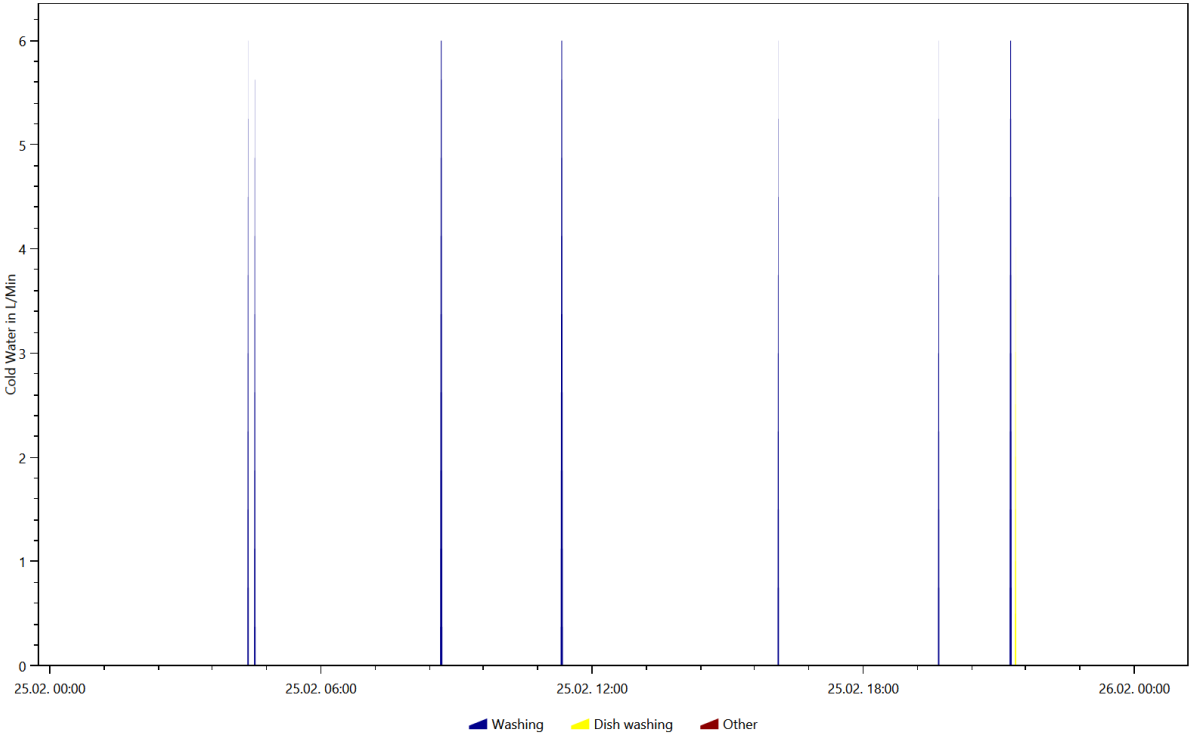
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.10



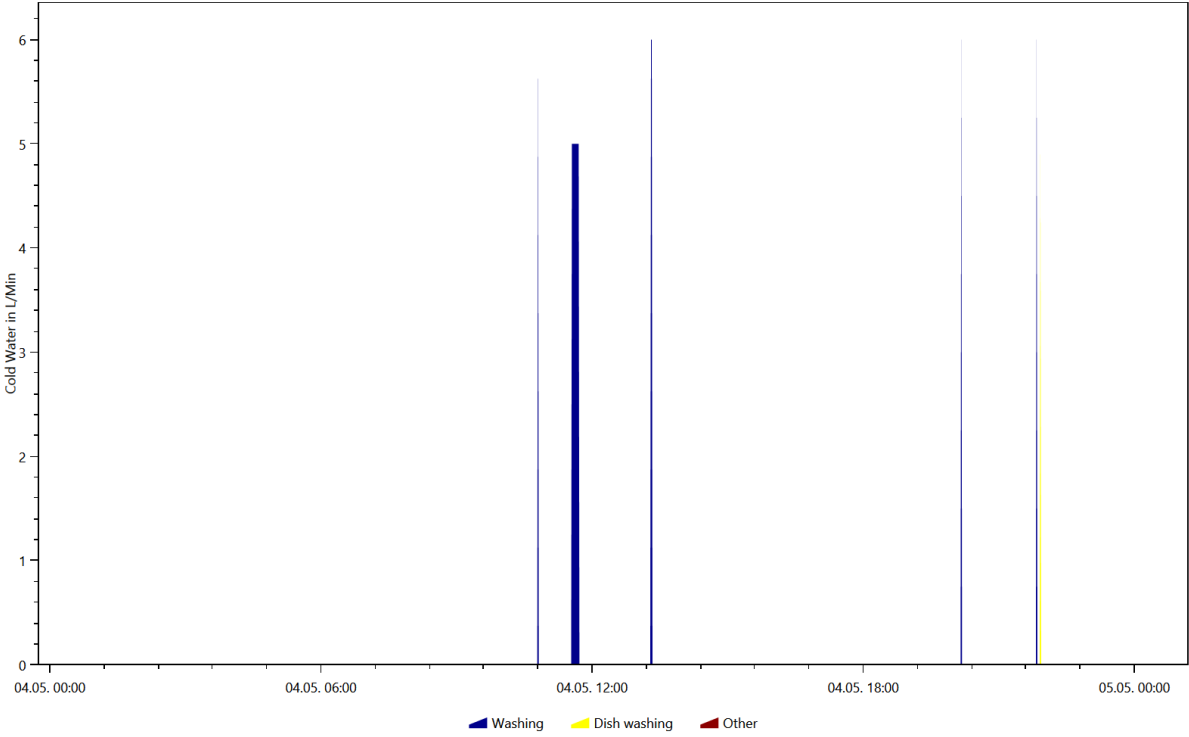
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.3



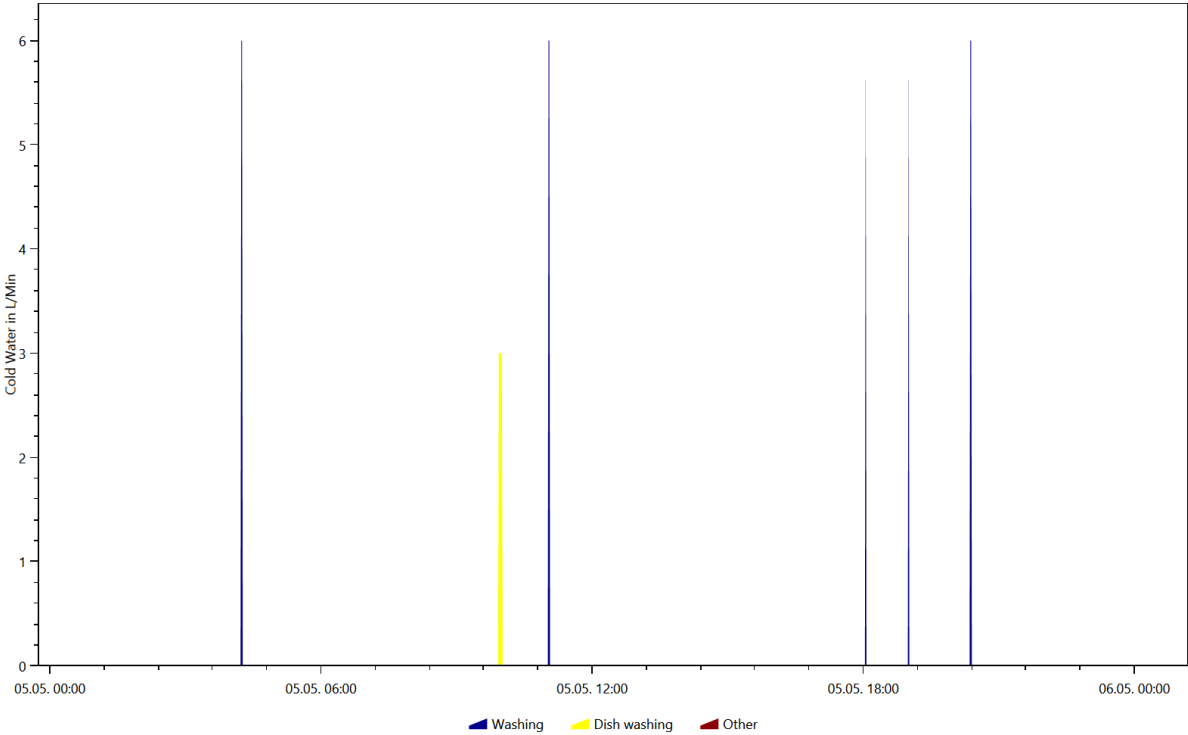
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.25



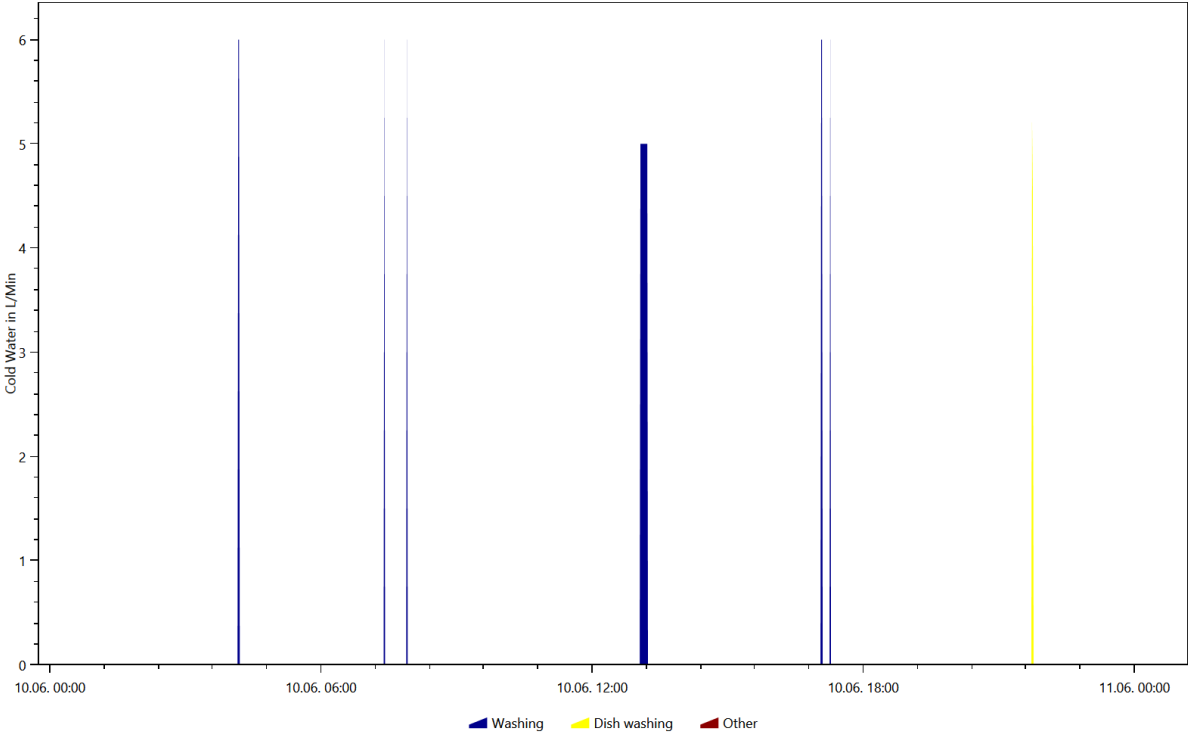
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.4



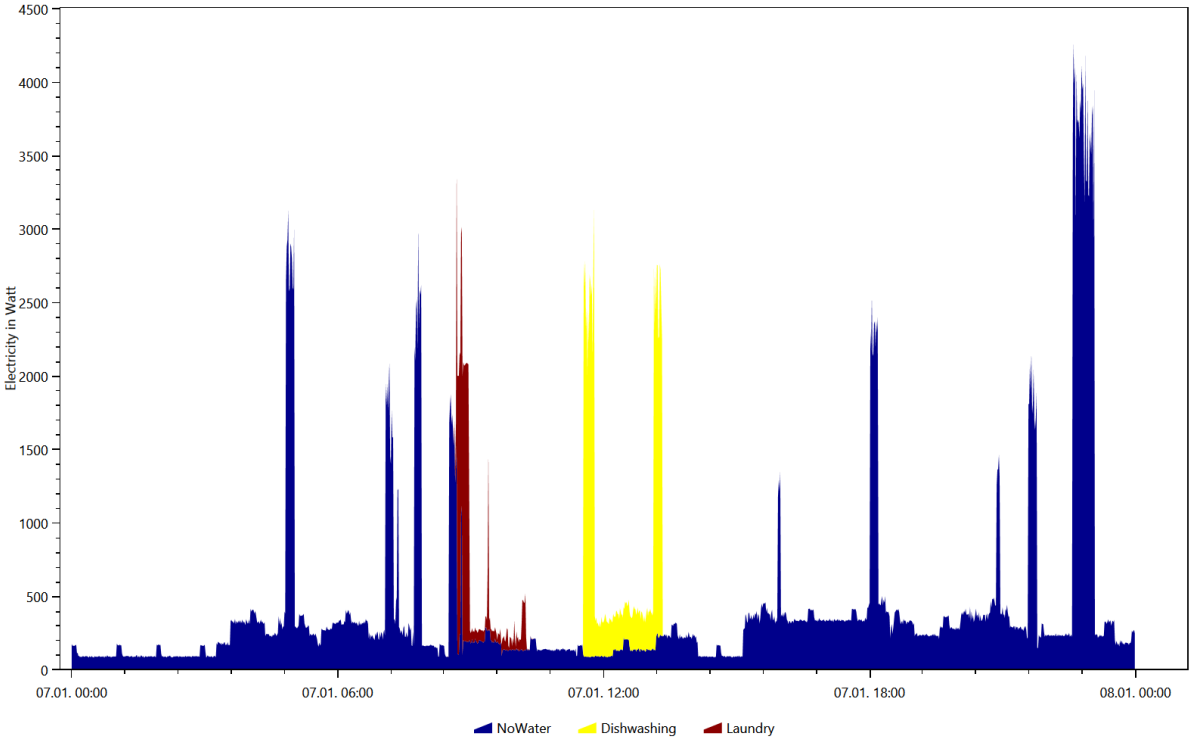
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.5



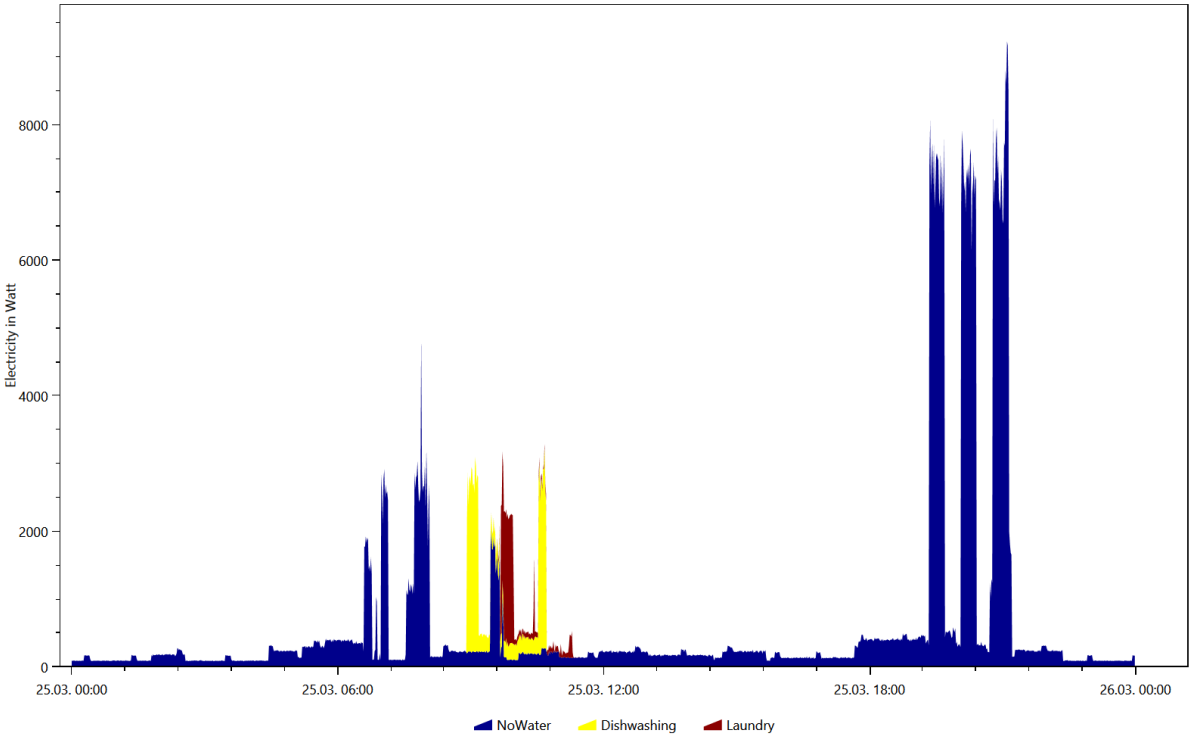
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.10



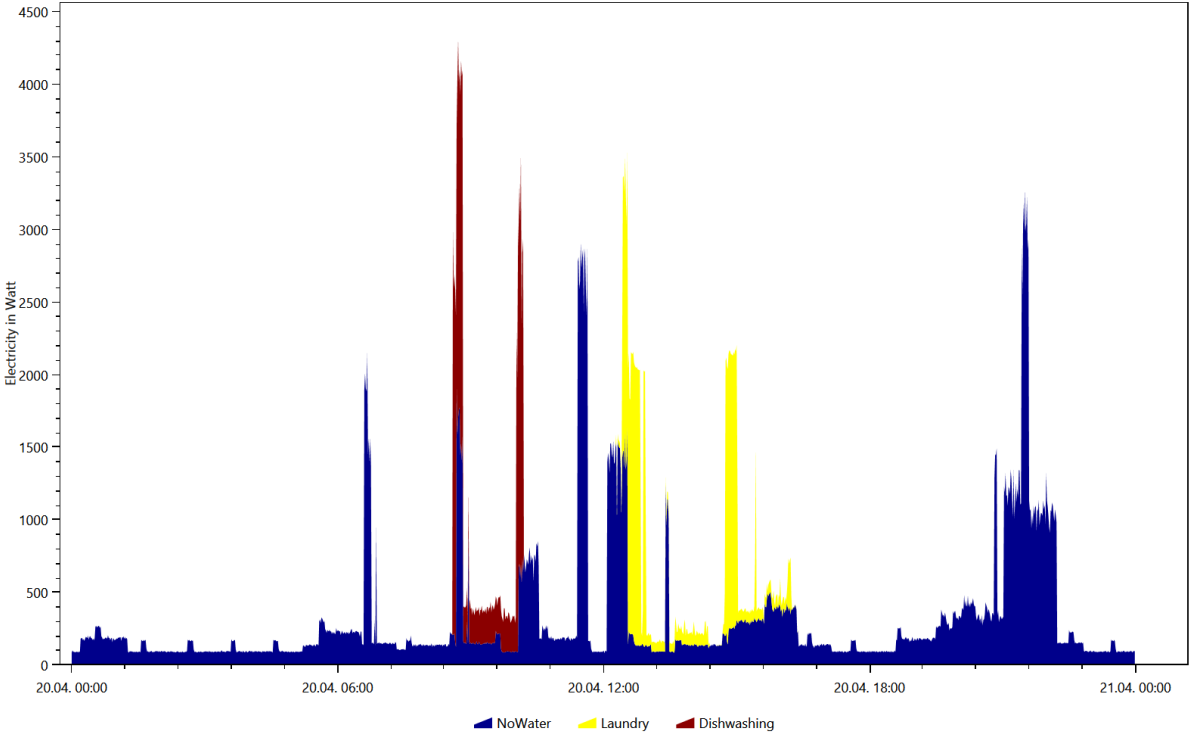
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.7



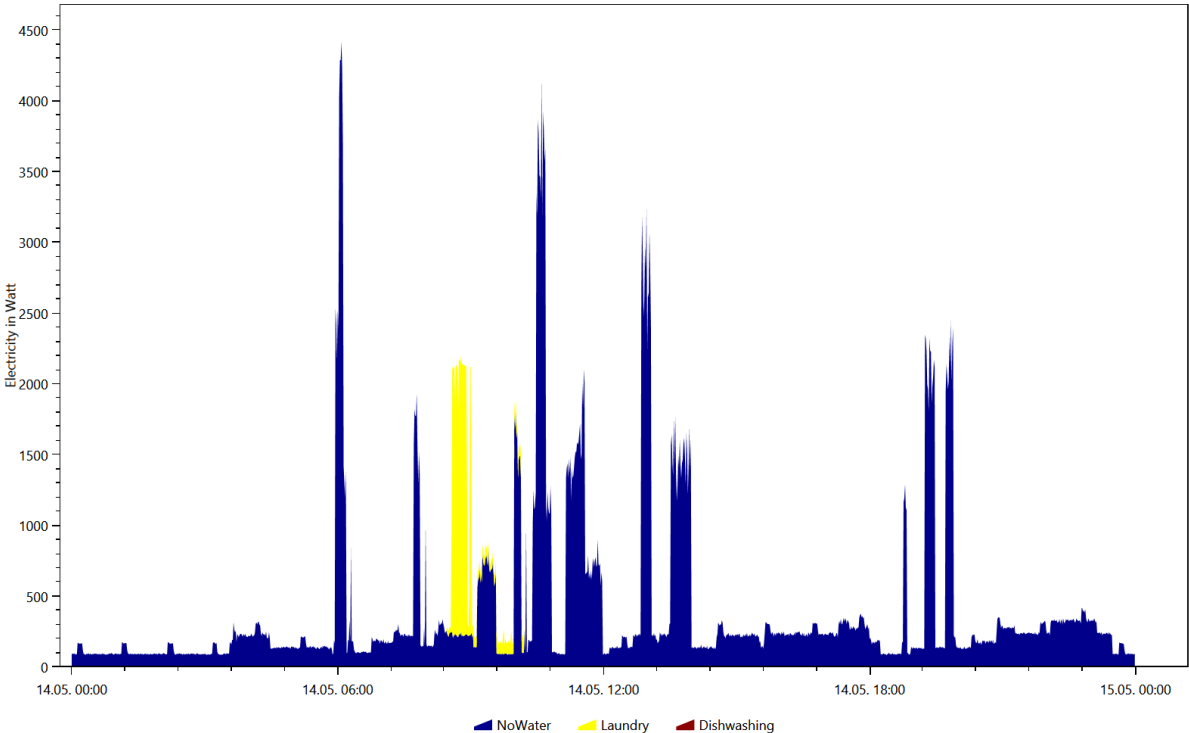
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.25



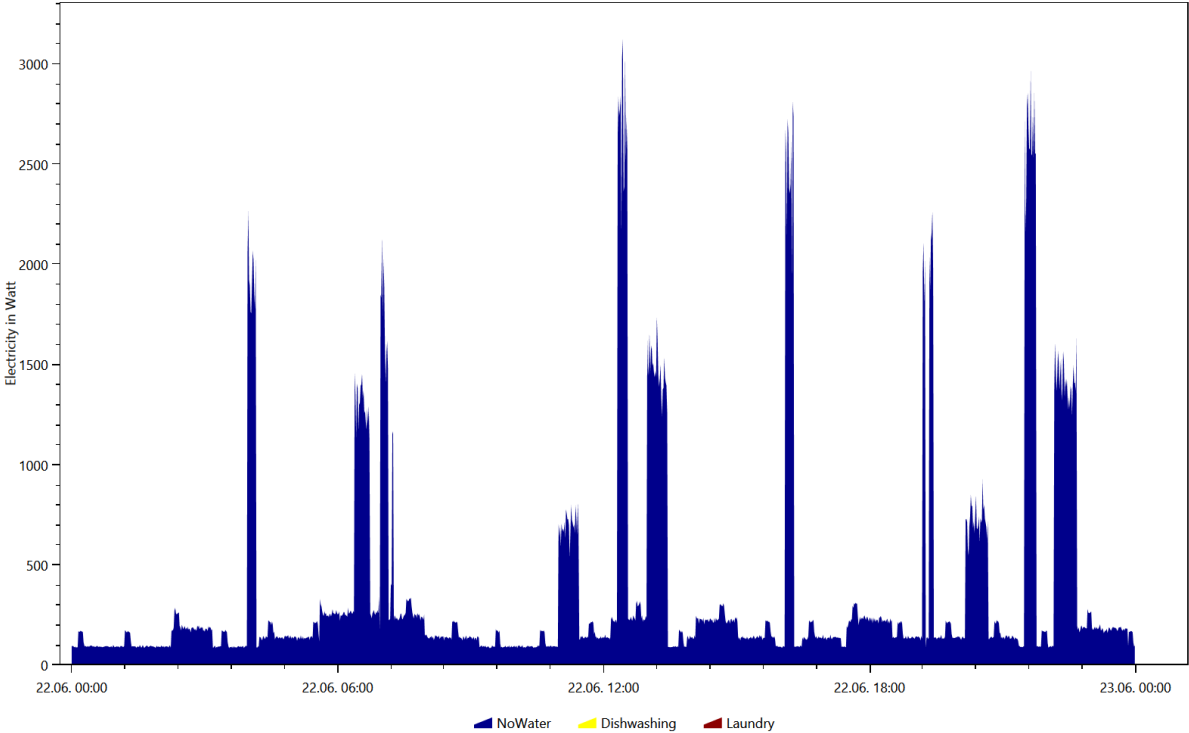
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.20



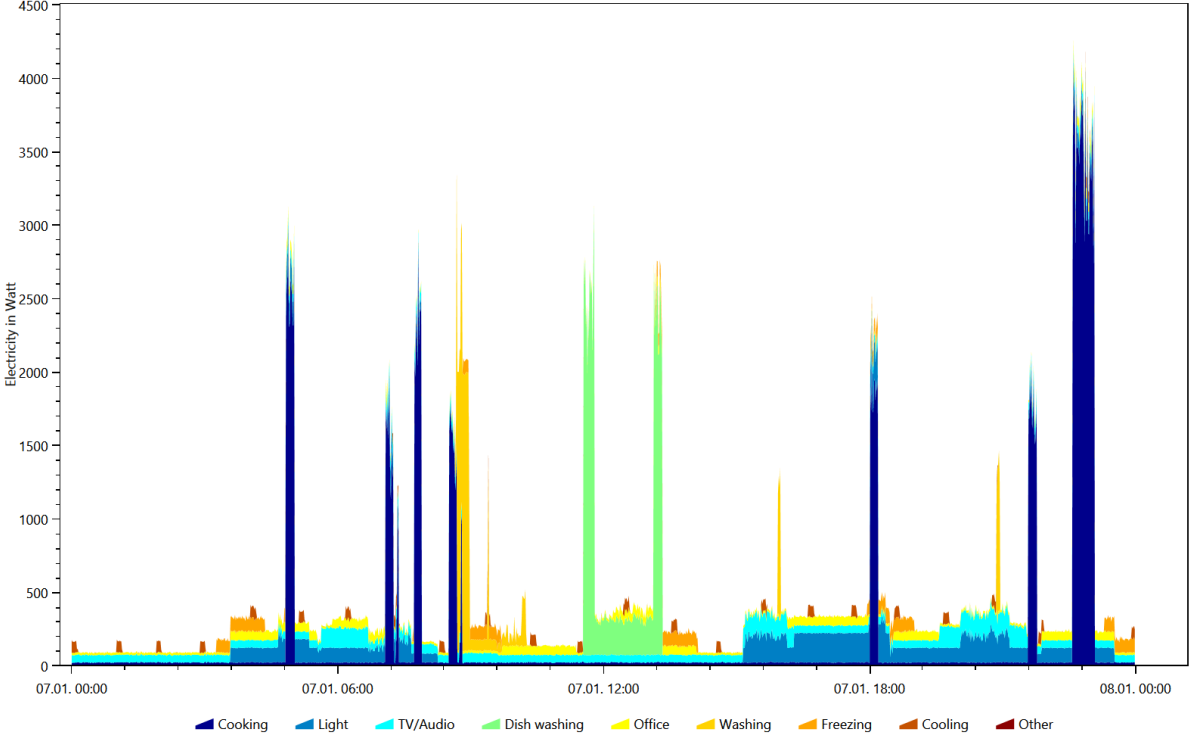
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.14



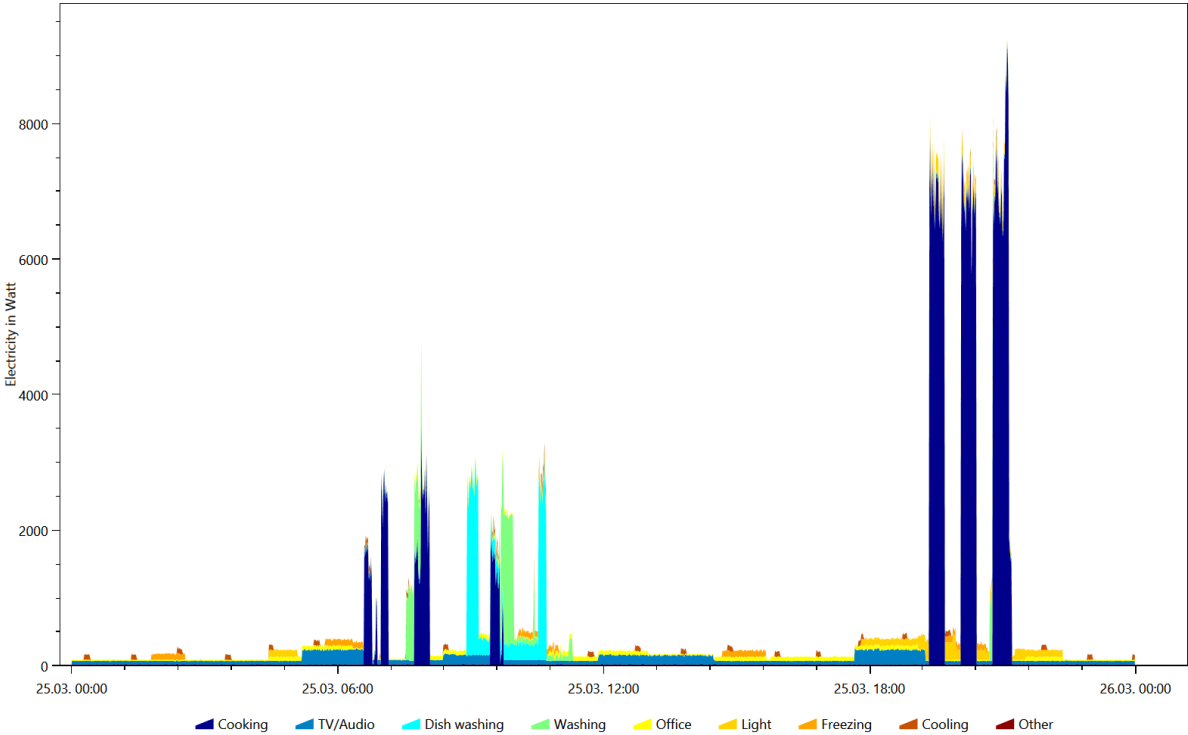
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.22



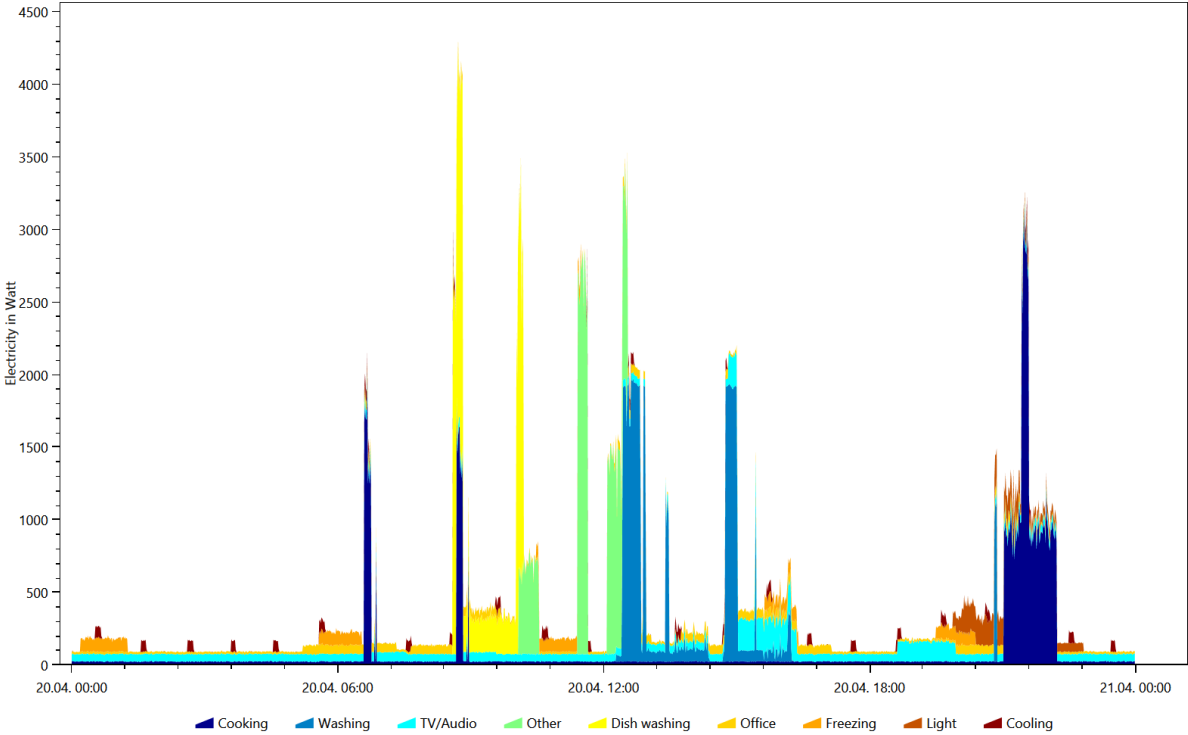
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.7



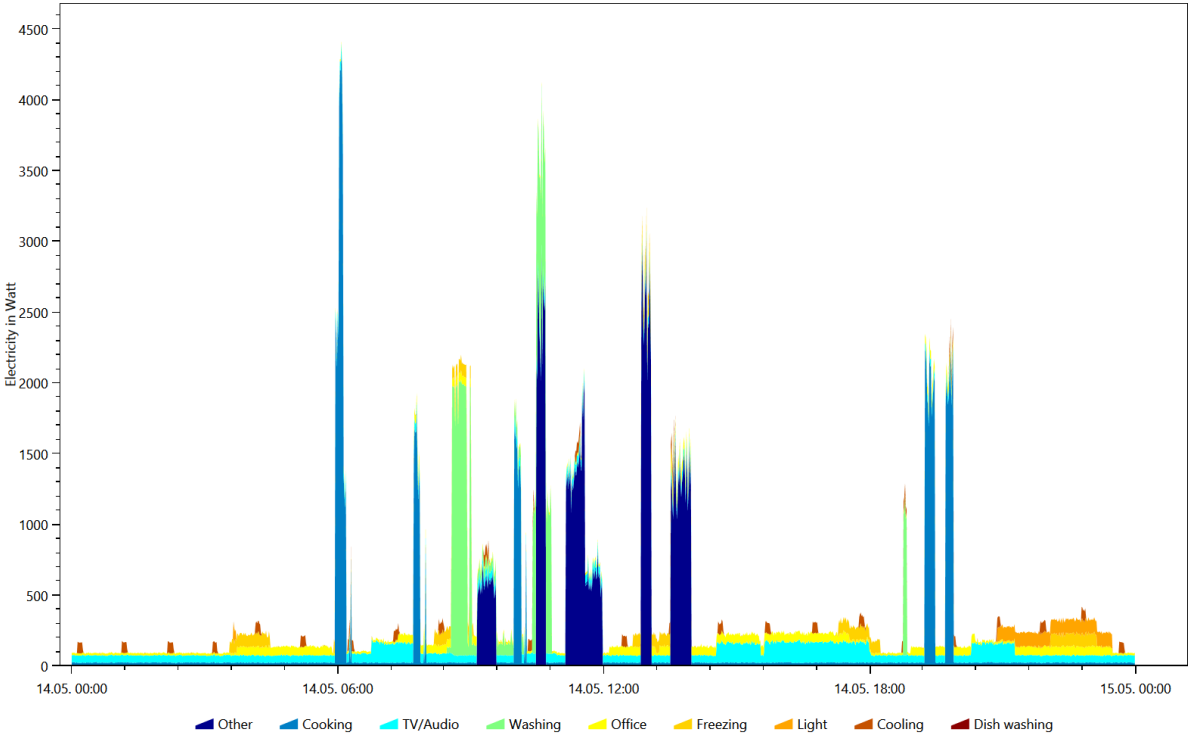
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.25



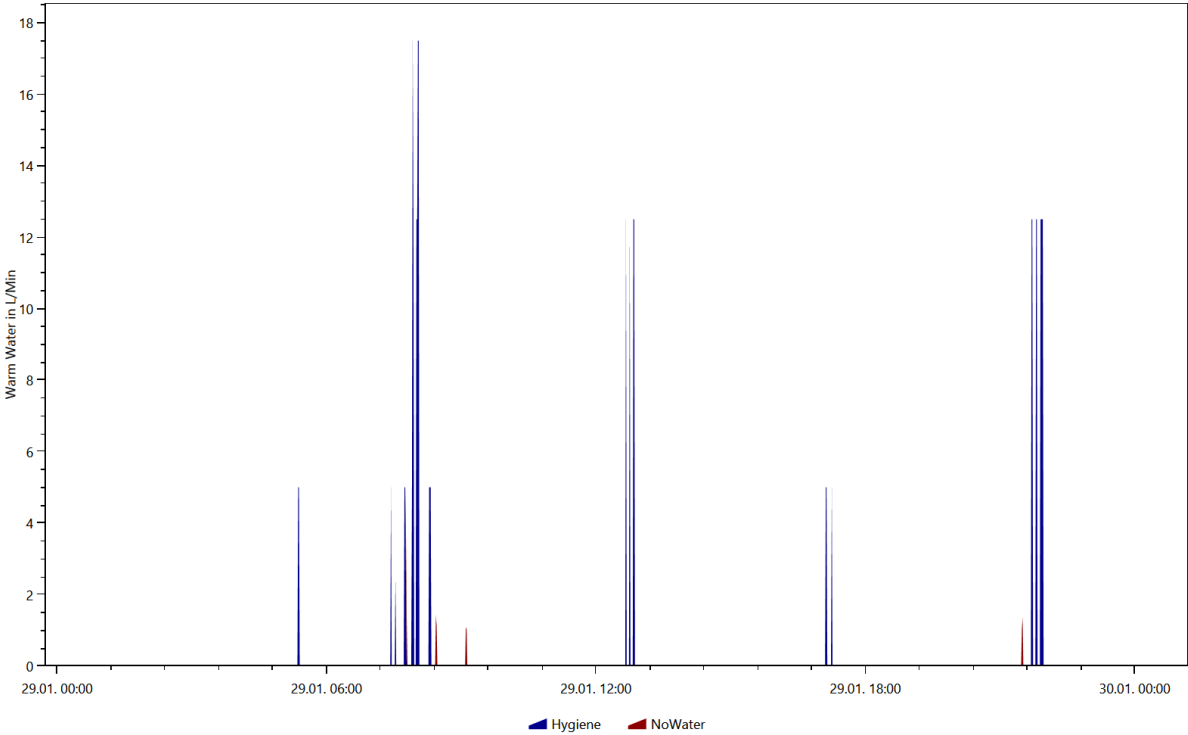
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.20



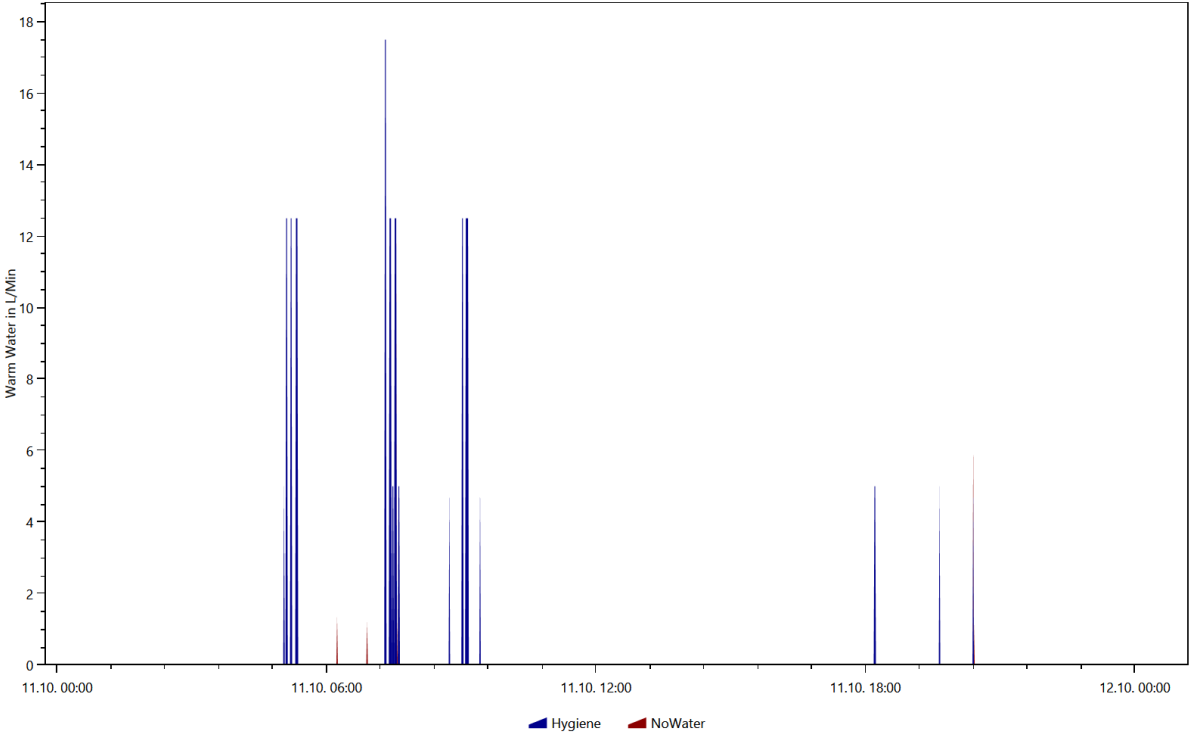
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.14



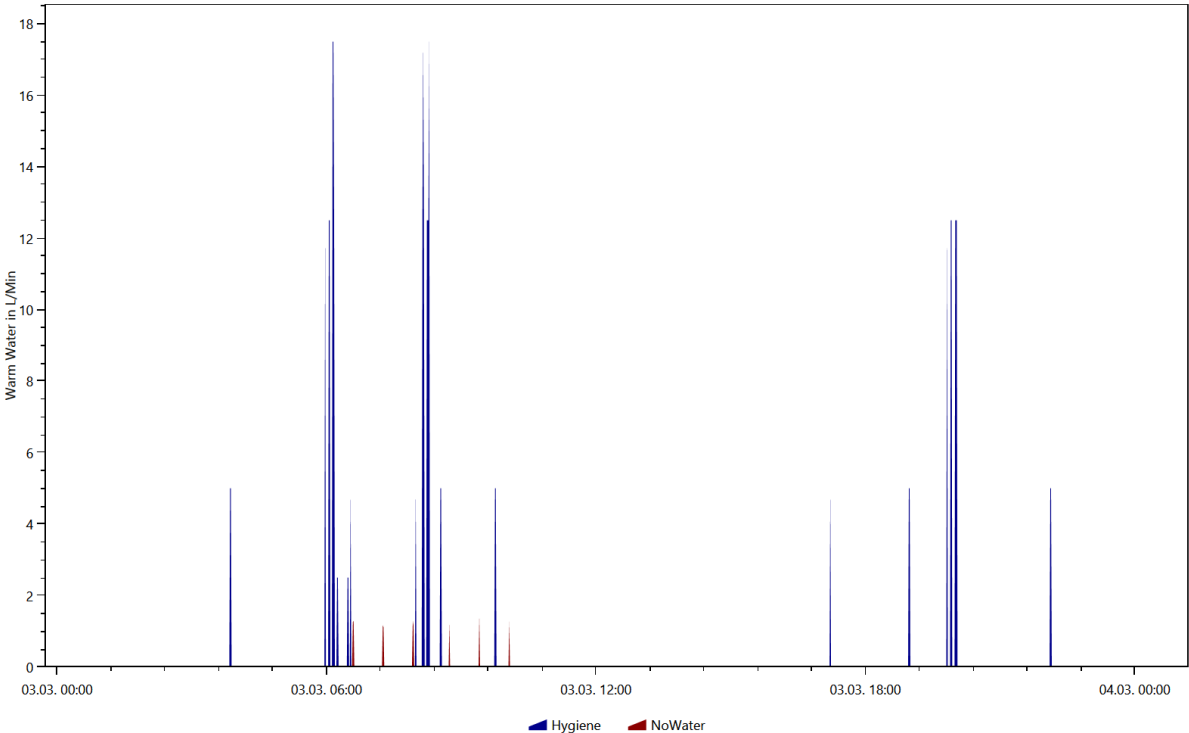
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.29



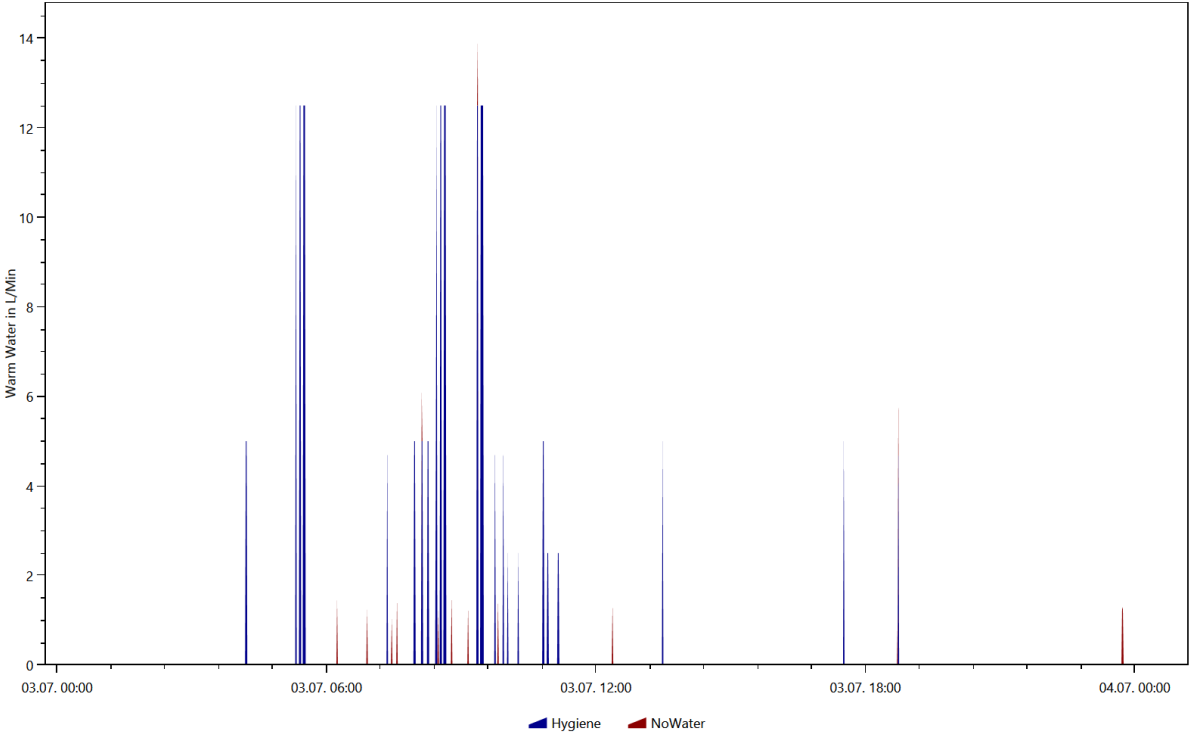
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.11



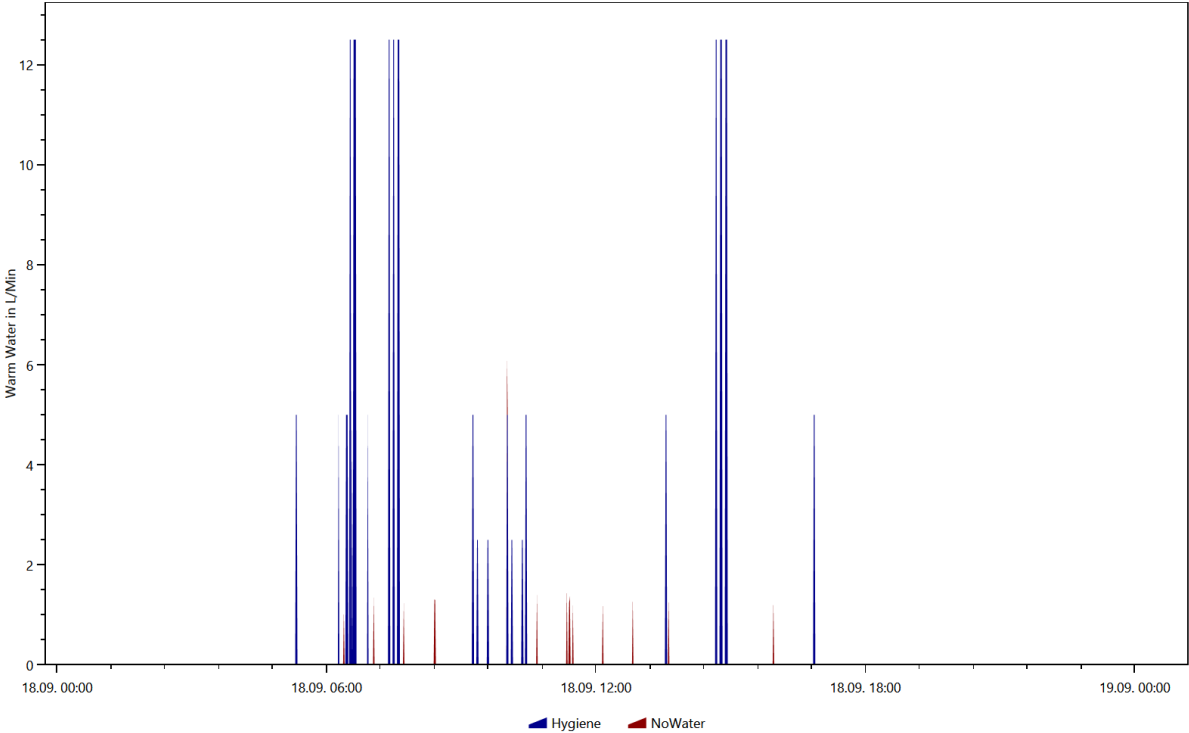
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.3



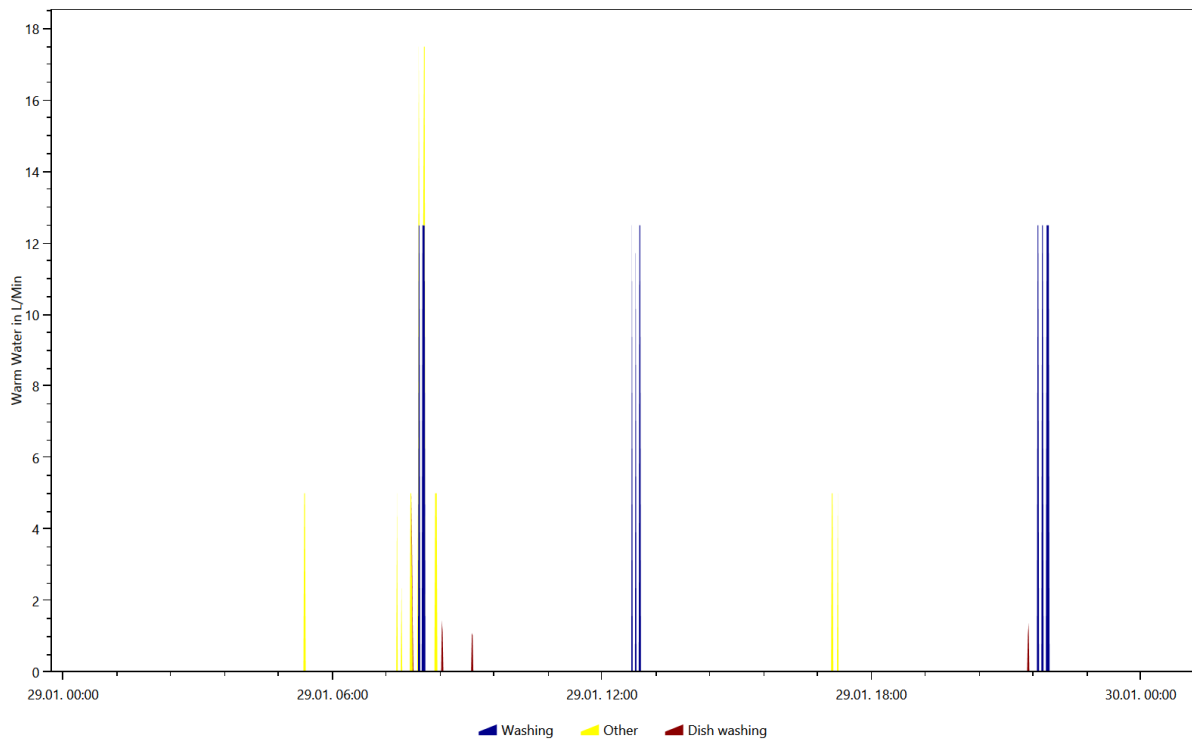
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.3



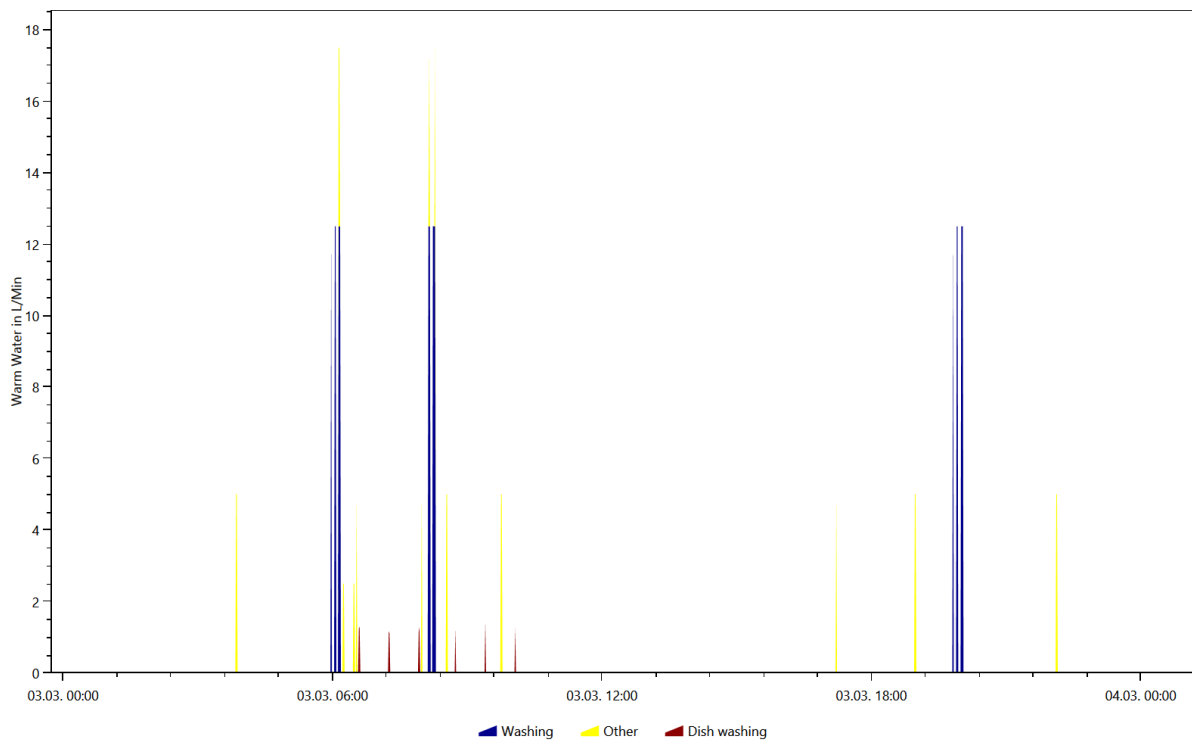
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.18



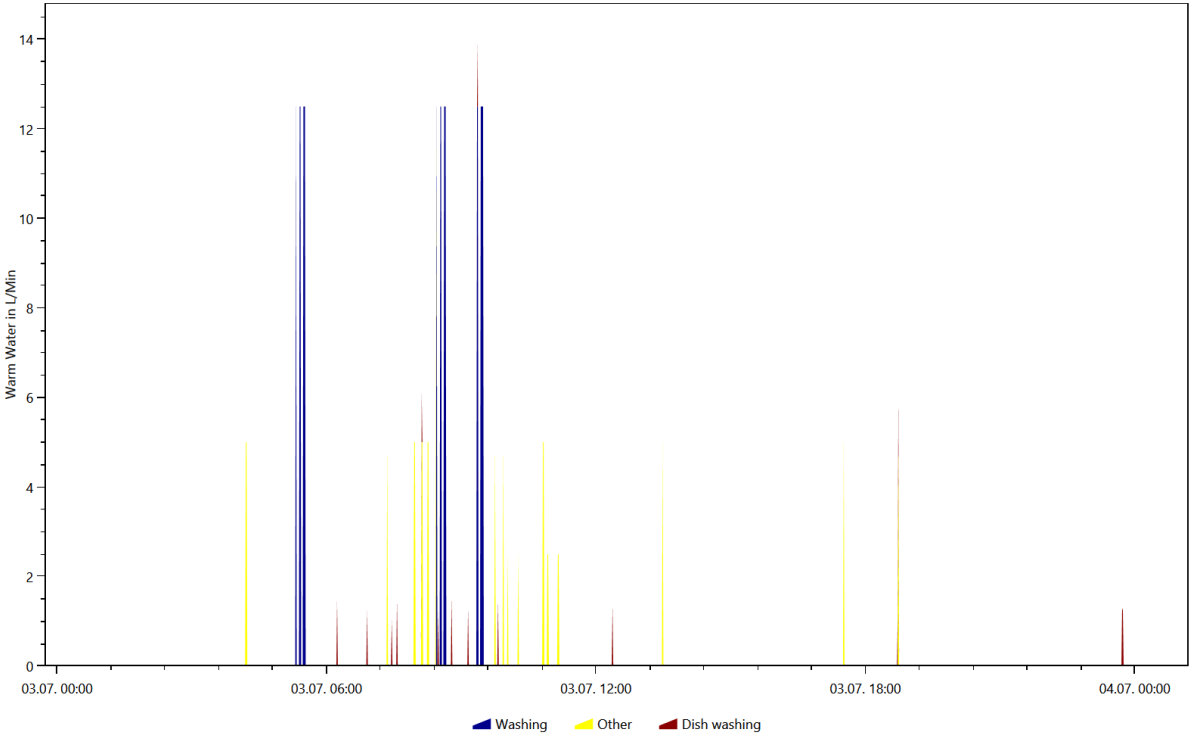
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.29



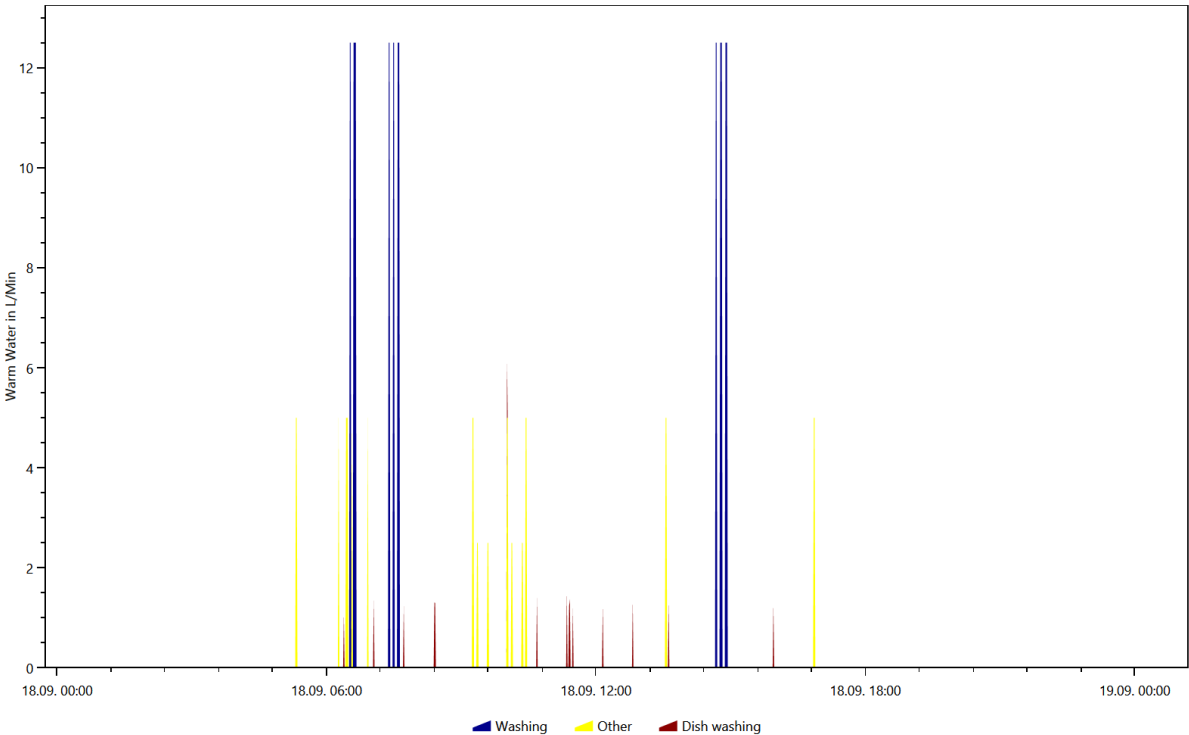
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.3



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.3



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.18

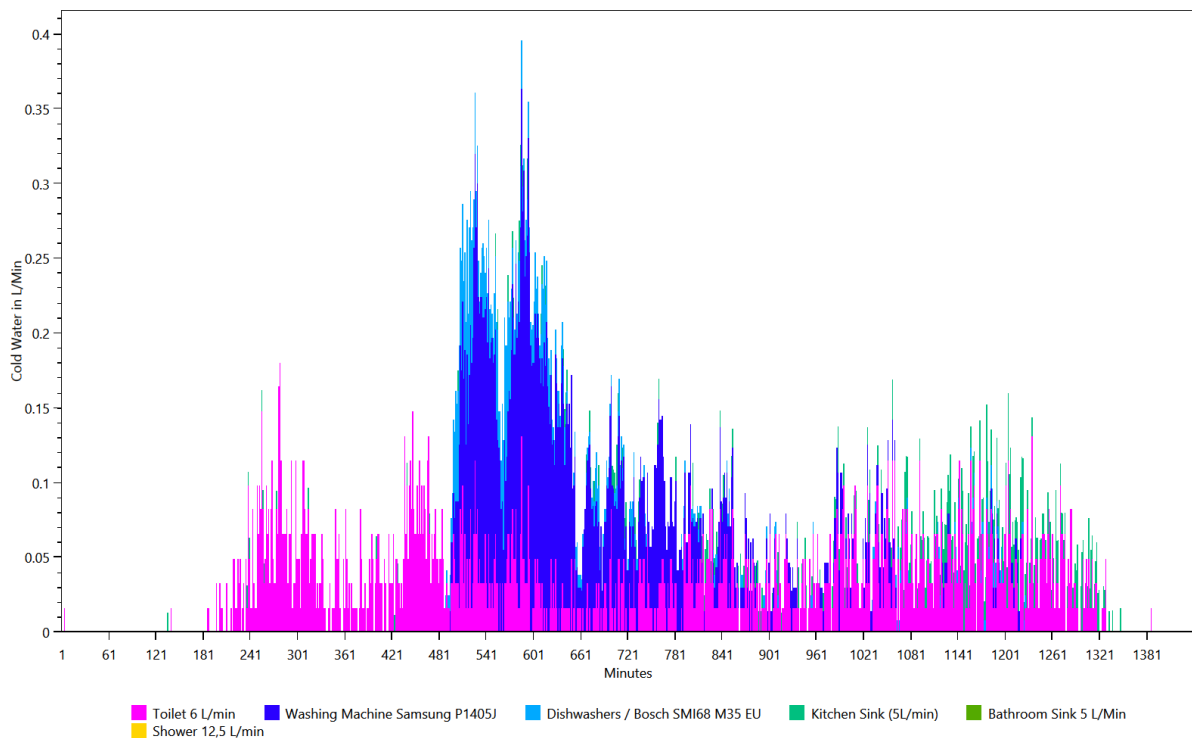


Overview of the time and power of the use per load type per device

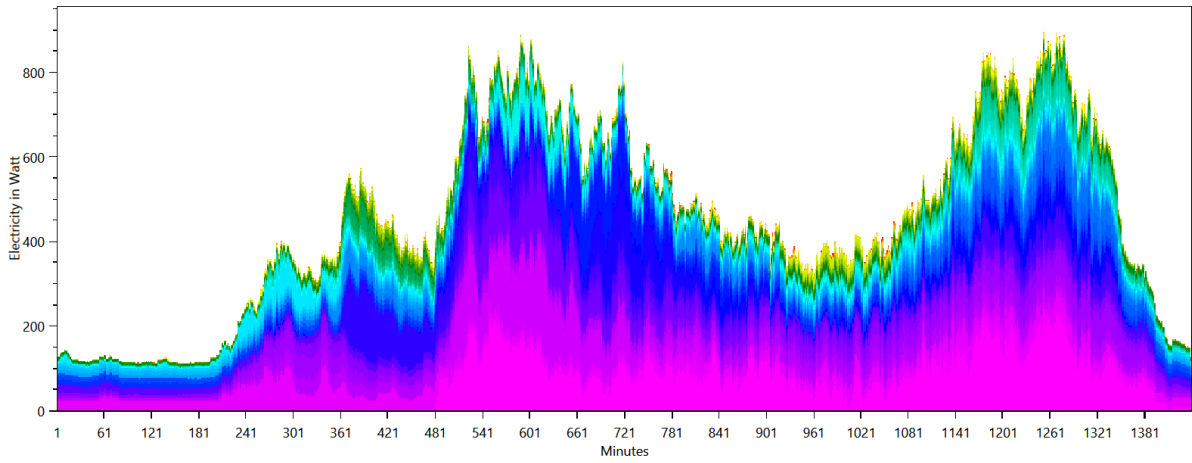
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

Cold Water

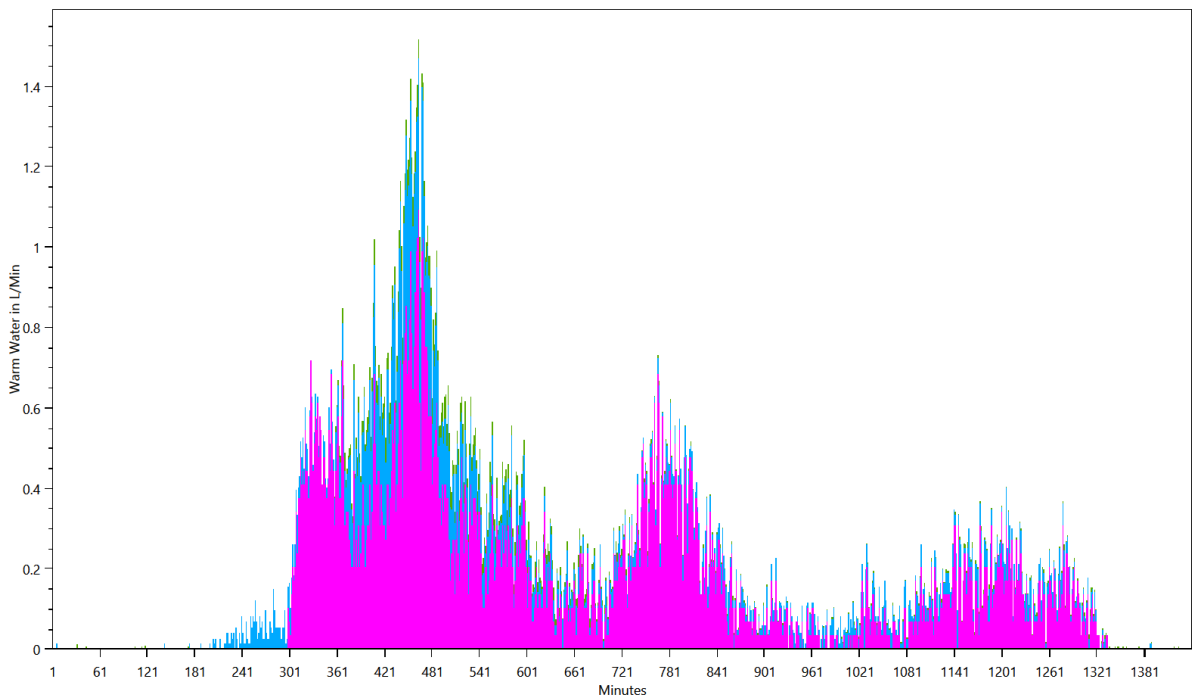


Electricity



- Miele H 5241 B
- Microwave / Panasonic NN-CD757W
- Dishwashers / Bosch SMI68 M35 EU
- Laptop / Dell Inspiron
- Living Room Light (100W)
- Grundig 70cm CRT
- Washing Machine Samsung P1405J
- Bauknecht GTE 260
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Coffee Machine / Braun KF 580E
- Lawn Mower / Sabo 36-EL SA 752
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front left
- Atika LH 2500 G
- Beamer / Acer H7531D
- Yamaha RX-V667
- Fondue / Unold 48746 Asia
- Steam Cooker / Phillips HD9140
- Hair Dryer Braun Silencio 1250
- Siemens KI 20 LA 65 (A+)
- Panasonic Hifi System (unknown type)
- Router / AVM FRITZ! Box Fon WLAN 7390
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Home Cinema System / Samsung HT-D5550
- Hedge Trimmer / Bosch AHS 550-24 ST
- Hifi System / Sharp XL-HF300PH
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Kitchen Light (60W)
- Miele DA 249-2
- Juicer / Moulinex Vitafruit
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Phone Siemens Gigaset C320
- Bedroom Light (200W)
- Nintendo Wii
- CD/DVD Player / Phillips HDR3810/31
- SAT Receiver / Kathrein UFS913
- Kitchen radio / AEG KRC 4323 CD
- Bathroom Light (60W)
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Bread Baking Machine Unold 6595
- Toaster / Bosch TAT8SL1
- Kitchen professional Hot Stone
- Children Room Light (200W)
- Ricecooker / Tristar RK-6112
- Bathroom Mirror Light 30W (CFL)
- Electric Kettle / Petra WK288 1.5L
- Miele DA 61
- Handmixer / Phillips Robust HR 1581
- Food Slicer / DOMO Schneidemaschine DOS21S
- Coffee Machine / Braun Impression KF 600
- Electric Toothbrush Dondodent Professional Clean
- Electric Razor / Phillips PT860/16 Razor PowerTouch Plus
- Osram Light Bulb Classic A 60W
- Electric Kettle / Phillips Essential HD 4685/90 Schwarz
- Braun Multiquick 3 MR 300 Soup

Warm Water



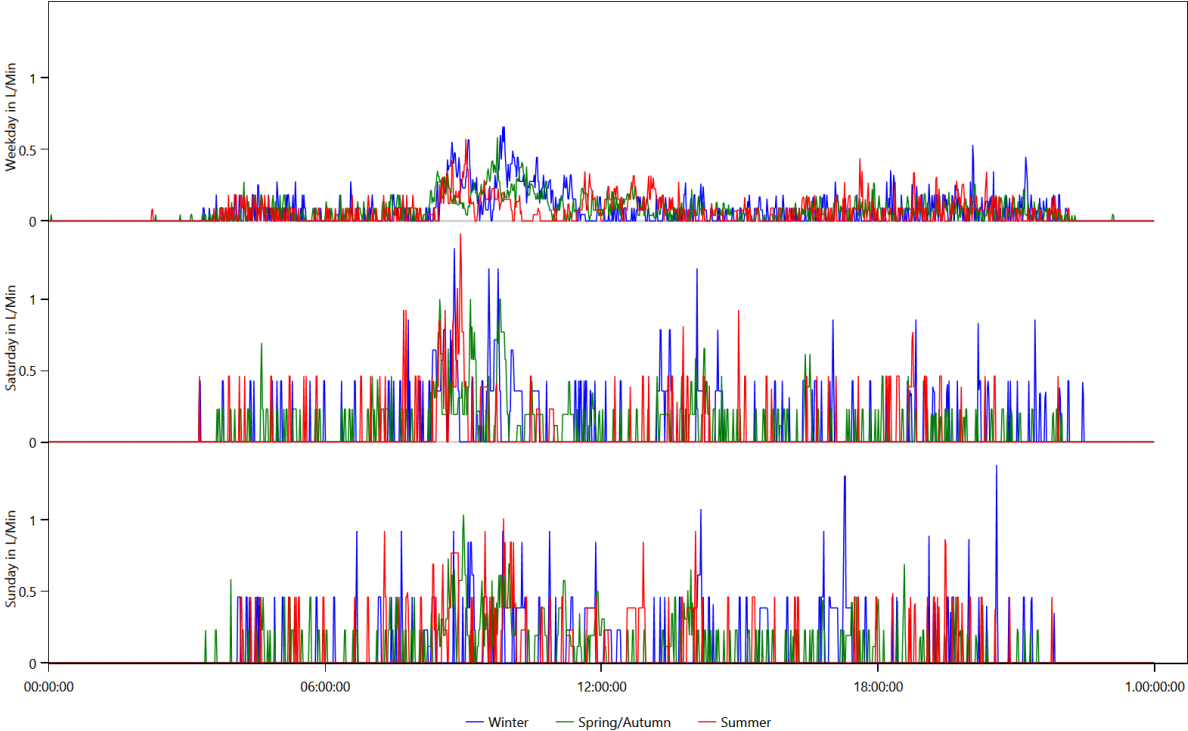
- Shower 12,5 L/min
- Bathroom Sink 5 L/Min
- Kitchen Sink (5L/min)

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

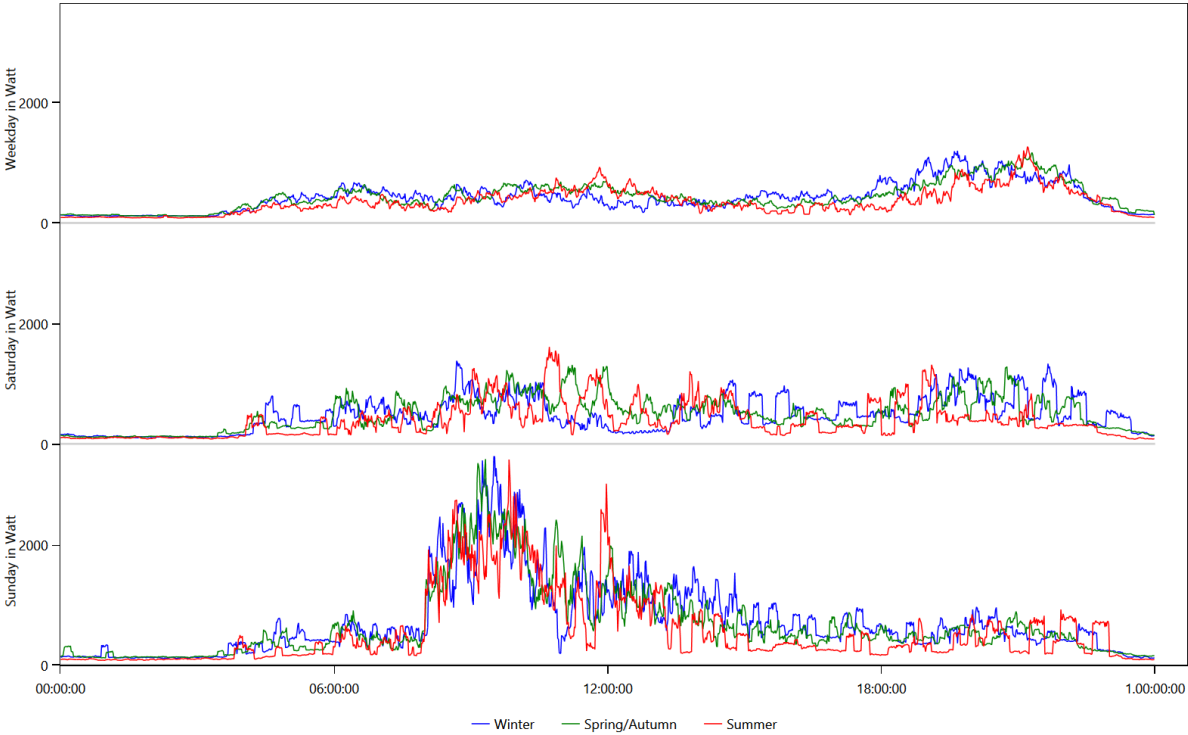
This is made from the files starting with: WeekdayProfiles

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

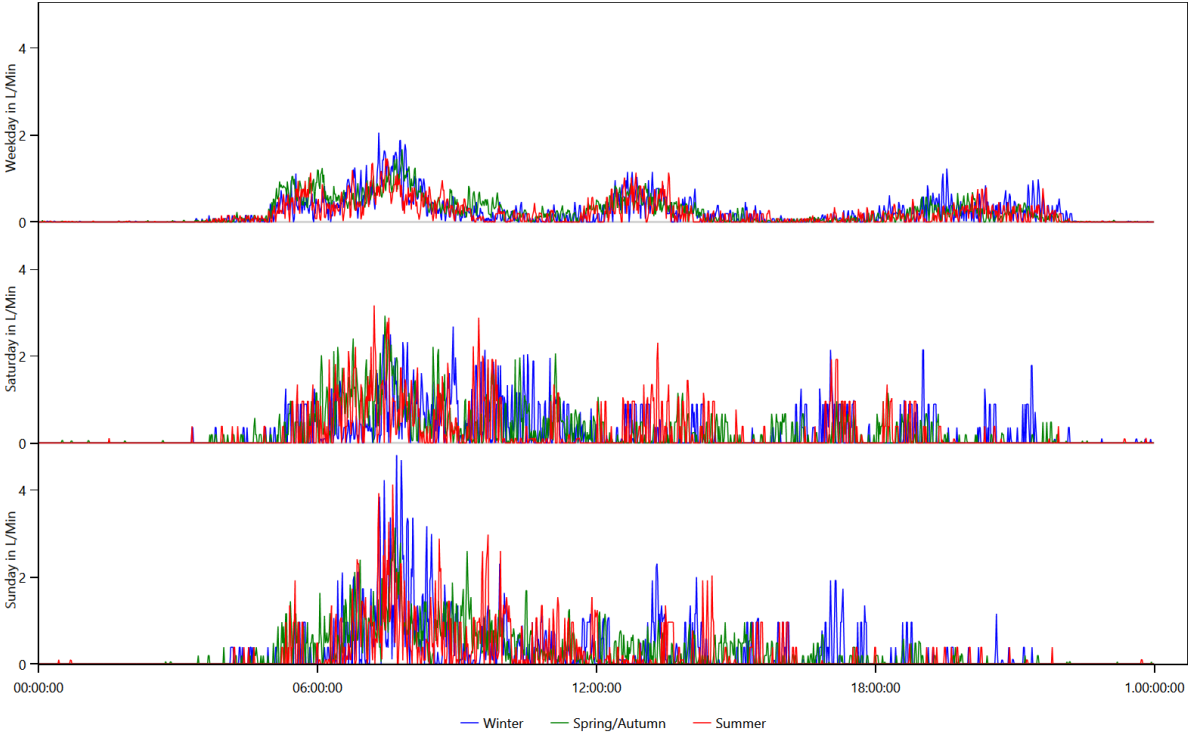
Cold Water



Electricity



Warm Water

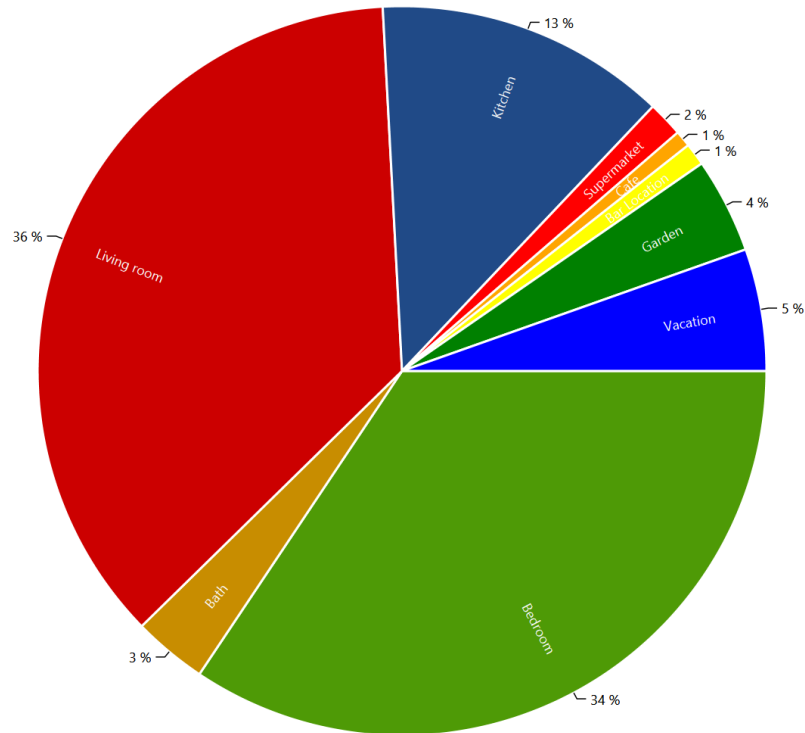


Location Distribution per Person

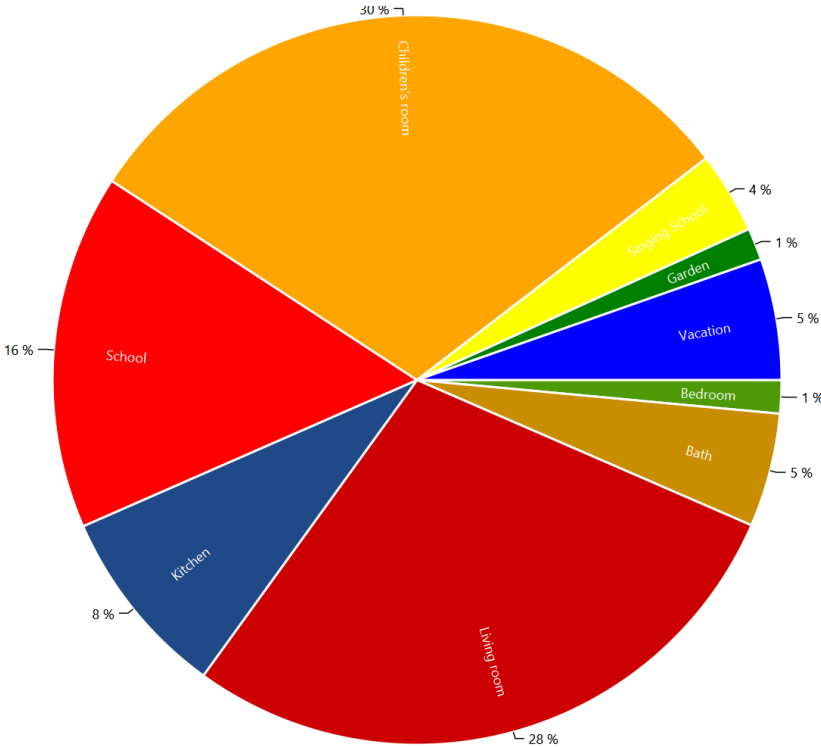
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

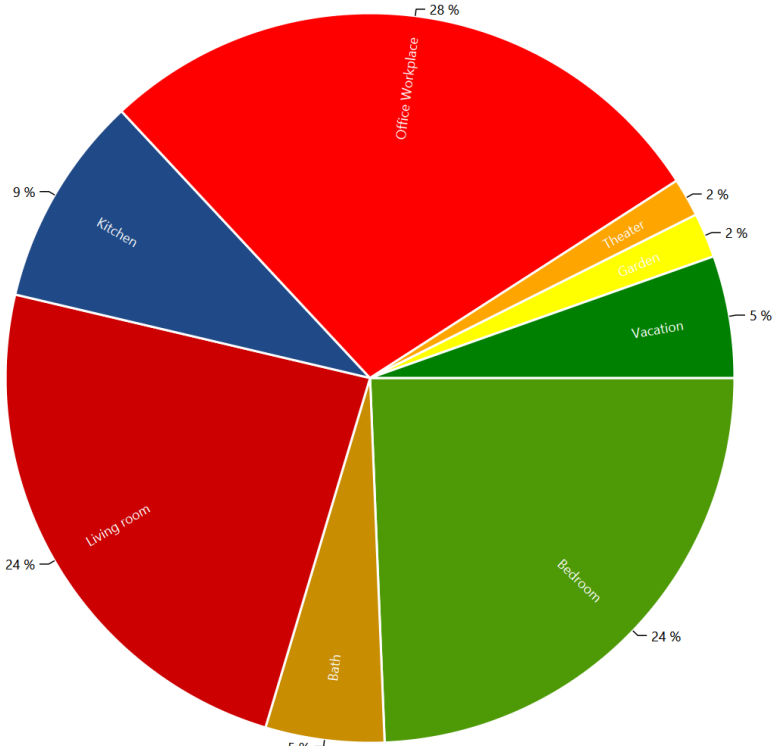
CHR45 Alexander (48 Male)



CHR45 Claudia (16 Female)



CHR45 Susann (45 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

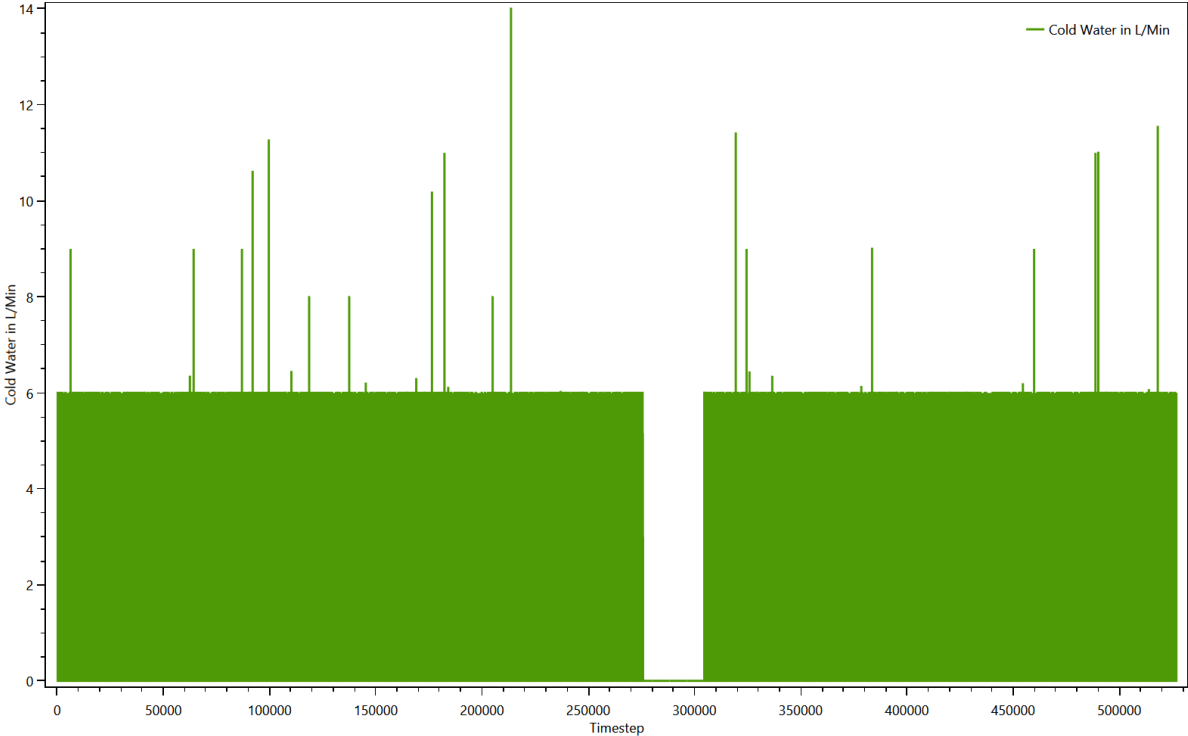
```
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHR45 Alexander (48/Male);sleep bed 08 (08 h);sleep;False;
0;01.01.2016 00:00;CHR45 Claudia (16/Female);sleep bed 03 (08 h) Child;sleep;False;
0;01.01.2016 00:00;CHR45 Susann (45/Female);sleep bed 02 (06 h);sleep;False;
223;01.01.2016 03:43;CHR45 Claudia (16/Female);go to the toilet;hygiene;False;
229;01.01.2016 03:49;CHR45 Claudia (16/Female);use the laptop for Internet, Movie, Music, News (2 h);Active
Entertainment (Computer, Internet etc.);False;
286;01.01.2016 04:46;CHR45 Susann (45/Female);go to the toilet;hygiene;False;
291;01.01.2016 04:51;CHR45 Susann (45/Female);play Wii;Passive Entertainment (TV etc.);False;
352;01.01.2016 05:52;CHR45 Susann (45/Female);watch a movie for 1 h 30 min with home cinema
system;Passive Entertainment (TV etc.);False;
360;01.01.2016 06:00;CHR45 Claudia (16/Female);microwave frozen meal and eat it;cooking;False;
391;01.01.2016 06:31;CHR45 Claudia (16/Female);go to grammer school ;school;False;
435;01.01.2016 07:15;CHR45 Alexander (48/Male);get ready in the morning (men);hygiene;False;
440;01.01.2016 07:20;CHR45 Susann (45/Female);get ready in the morning (women);hygiene;False;
445;01.01.2016 07:25;CHR45 Alexander (48/Male);eat breakfast (1 h);cooking;False;
461;01.01.2016 07:41;CHR45 Susann (45/Female);microwave frozen meal and eat it;cooking;False;
492;01.01.2016 08:12;CHR45 Susann (45/Female);work at the office from 8:00 (11 h);work;False;
506;01.01.2016 08:26;CHR45 Alexander (48/Male);go to the toilet;hygiene;False;
511;01.01.2016 08:31;CHR45 Alexander (48/Male);run the dishwasher (triggered);cleaning;False;
525;01.01.2016 08:45;CHR45 Alexander (48/Male);use the laptop for Internet, Movie, Music, News (2
h);Active Entertainment (Computer, Internet etc.);False;
655;01.01.2016 10:55;CHR45 Alexander (48/Male);go shopping for food in the supermarket (1.5
h);shopping;False;
```

Sum Profiles

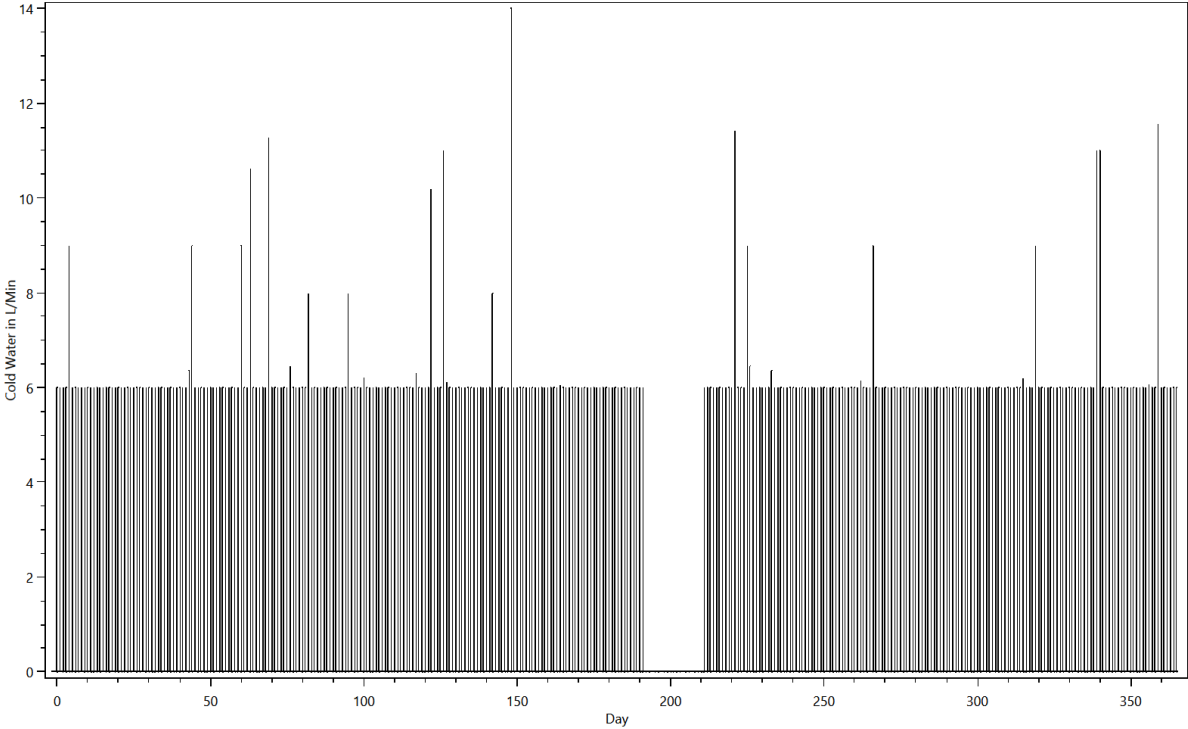
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

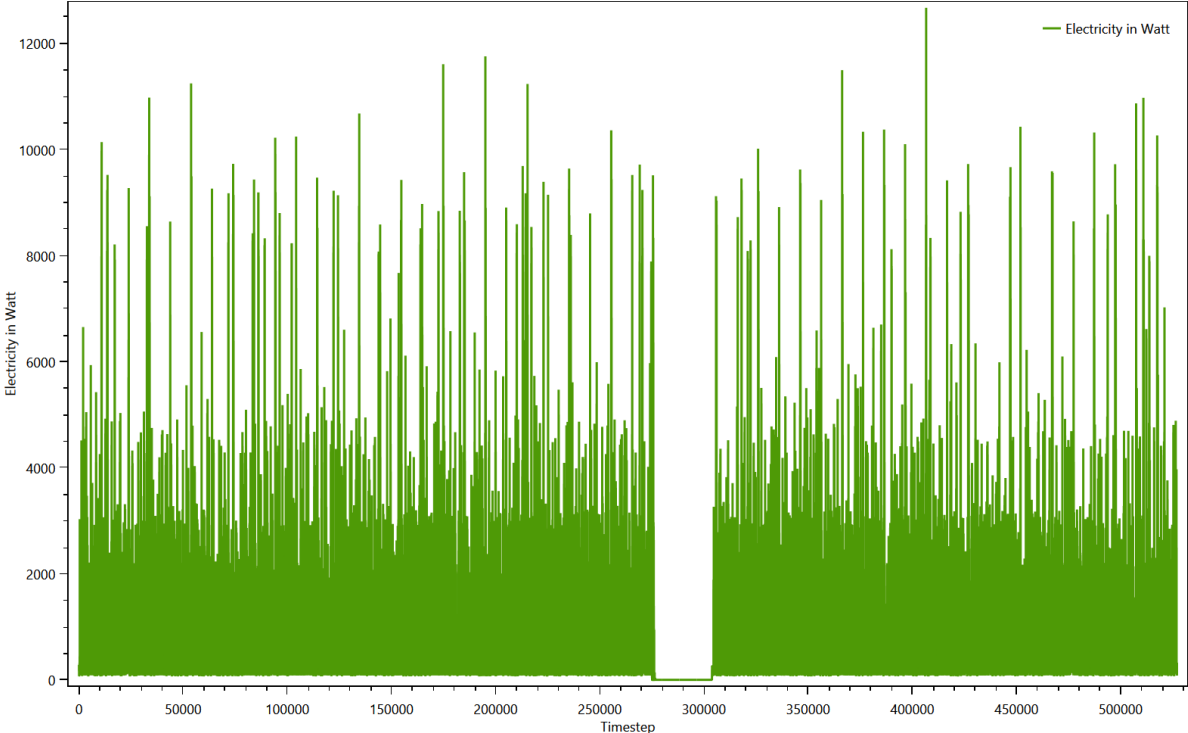
Summed up curve for Cold Water from SumProfiles.Cold Water.png



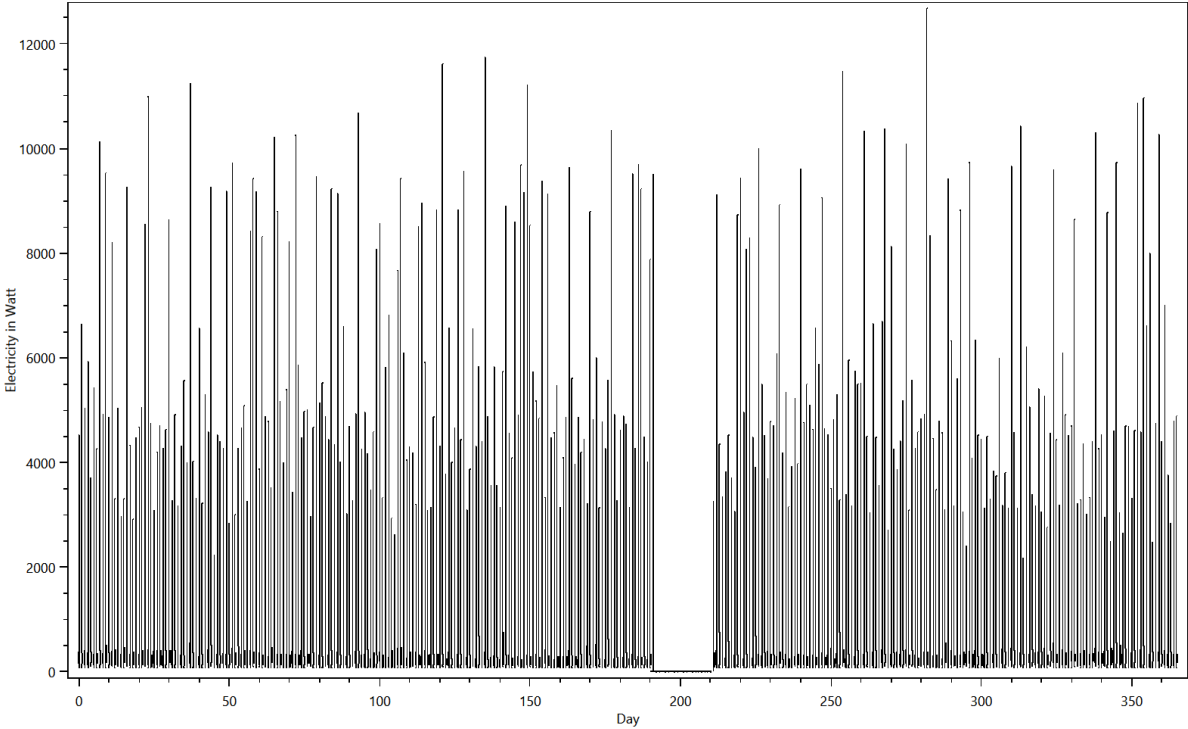
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



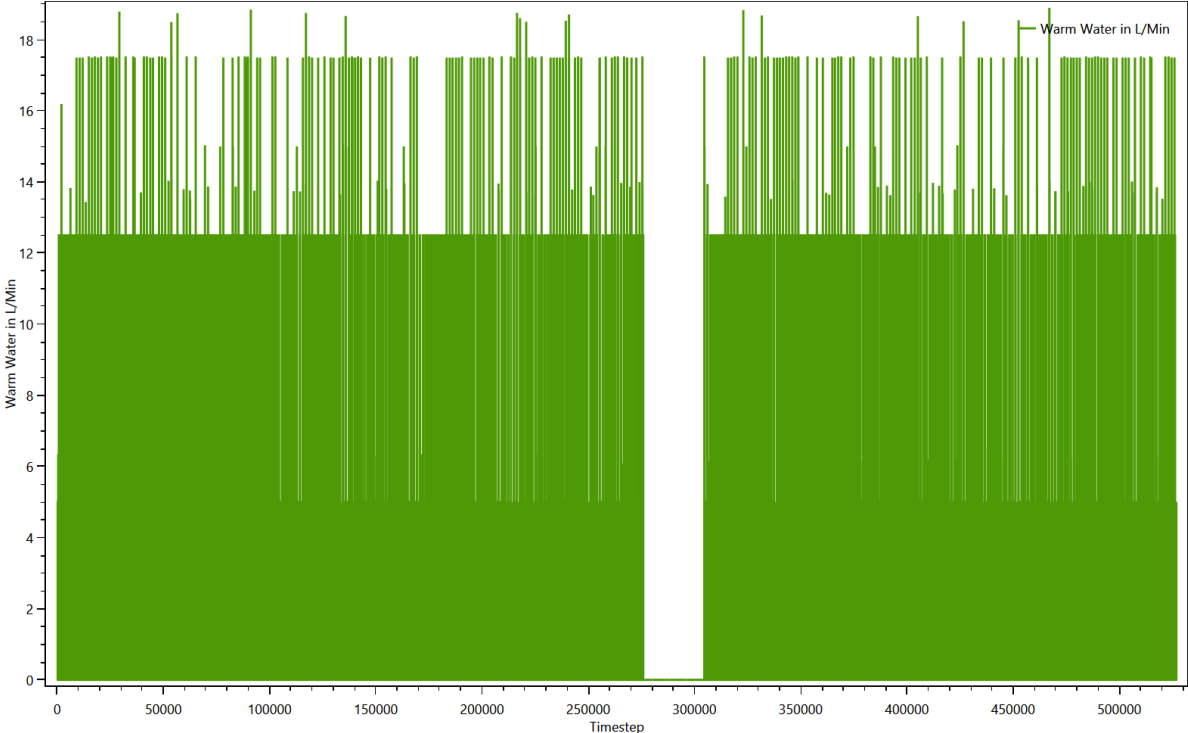
Summed up curve for Electricity from SumProfiles.Electricity.png



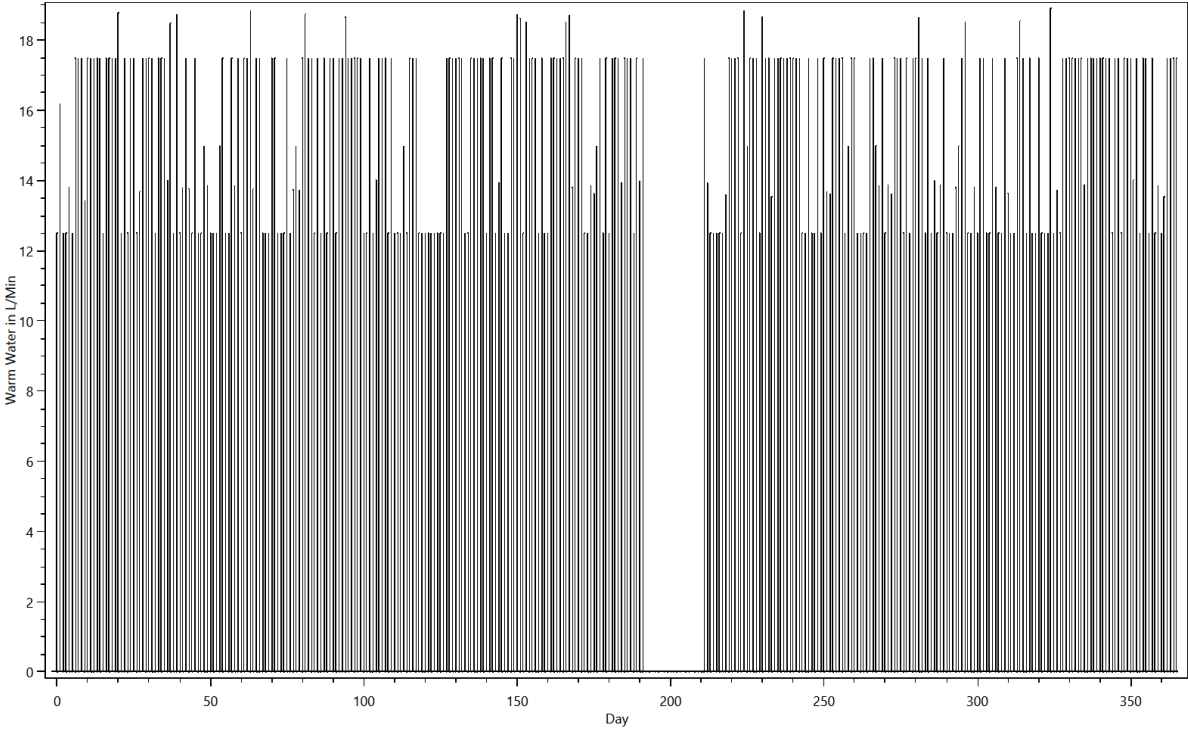
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



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.CHR45 Family with 1 child, 1 at work, 1 at home 0.txt

Device;Load Type;Profile;Number of Activations

Atika LH 2500 G;Electricity;0 h 15 min 100% [Synthetic];177

Bar;None;04 h 0 min 100% [Synthetic];22

Bathroom Light (60W);Electricity;Bath - light [Synthetic for Light Device];1143

Bathroom Mirror Light 30W (CFL);Electricity;Bath - light [Synthetic for Light Device];1143

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 100% [Synthetic];3546

Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 50% [Synthetic];650

Bauknecht GTE 260;Electricity;0 h 01 min 100% [Synthetic];194

Bauknecht GTE 260;Electricity;05 h 0 min Fridge, 1h 100%, 4h 0% [Synthetic];1675

Beamer / Acer H7531D;Electricity;02 h 0 min 100% [Synthetic];20

Beamer / Acer H7531D;Electricity;Standby PC 01 h 0 min 4% [Synthetic];8311

Bed 2;None;06 h 0 min 100% [Synthetic];348

Bed 3 (Children);None;08 h 0 min 100% [Synthetic];345

Bed 8;None;08 h 0 min 100% [Synthetic];346

Bedroom Light (200W);Electricity;Bedroom - light [Synthetic for Light Device];67

Board Games;None;01 h 0 min 100% [Synthetic];253

Book;None;01 h 0 min 100% [Synthetic];1

Braun Multiquick 3 MR 300 Soup;Electricity;0 h 01 min 100% [Synthetic];65

Bread Baking Machine Unold 6595;Electricity;Profile for Bread Baking Machine Unold 6595 Electricity [Measured 1 min Resolution (TUC)];64

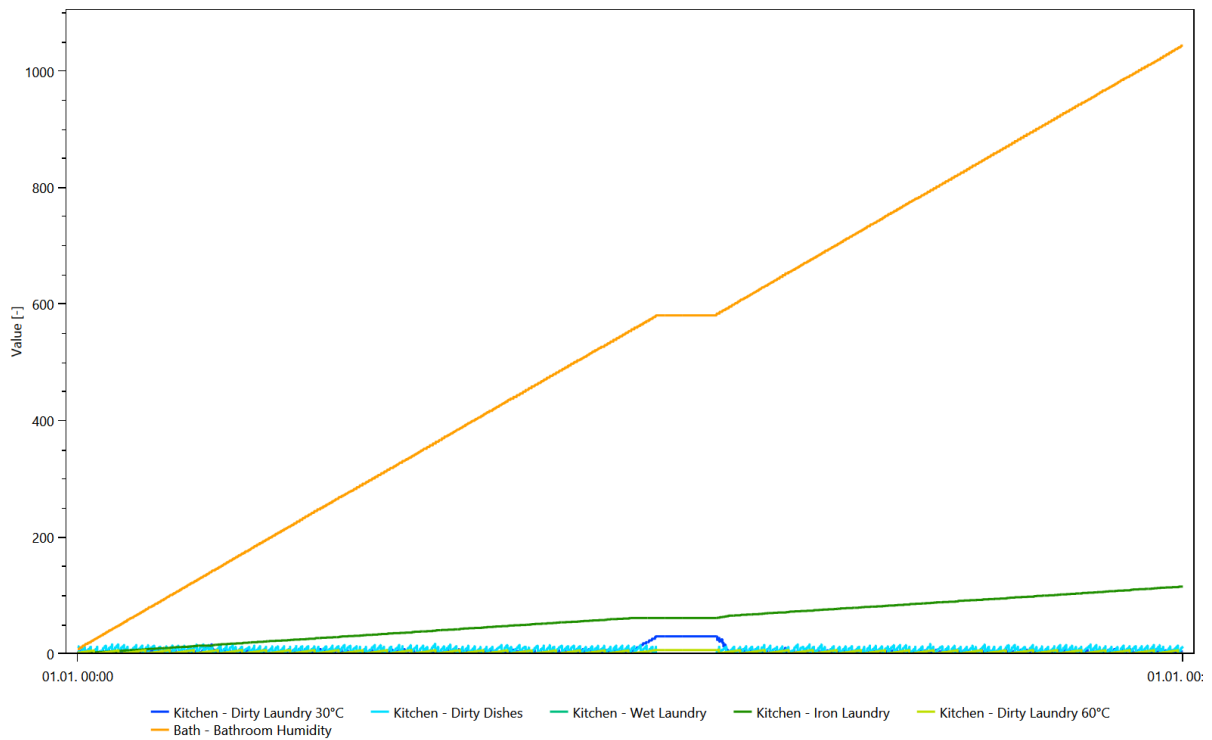
CD/DVD Player / Phillips HDR3810/31;Electricity;01 h 30 min 100% [Synthetic];337

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

