

Overview of the results of the household CHR57 Family with 2 Children, Man at work 0

Calculation Time

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

Energy Intensity: EnergySaving

Seed 4620

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

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Table of Contents

| | |
|--|----|
| Totals..... | 3 |
| Persons..... | 5 |
| Activity Frequency Charts..... | 6 |
| Activity Distribution per Person..... | 9 |
| Time Use per Person per Affordance Per Person..... | 12 |
| Energy use per person per affordance..... | 19 |
| Time Use per Person Per Affordance according to different category definitions..... | 21 |
| Overview of the actions of each member of the household..... | 23 |
| Overview of the time of the use per load type per device..... | 26 |
| Energy/Resource use distribution per load type per affordance..... | 28 |
| Energy use for each load type for each device..... | 33 |
| Duration curve for each device for each load type..... | 37 |
| Duration curve for each load type..... | 39 |
| Grouped energy use for each load type for each device..... | 41 |
| Example of the device profiles for each load type..... | 45 |
| Overview of the time and power of the use per load type per device..... | 59 |
| Energy use per load type during different seasons, split by weekday/saturday/sunday..... | 61 |
| Location Distribution per Person..... | 63 |
| Actions.csv..... | 66 |
| Sum Profiles..... | 67 |
| Time Profiles..... | 71 |
| Variables..... | 72 |

Totals

Totals for each Loadtype

| Load Type | Value | Unit |
|-------------|-----------|------|
| Cold Water | 75389.81 | L |
| Electricity | 4112.76 | kWh |
| Warm Water | 154762.50 | L |

Totals for each Loadtype per Day

| Load Type | Value | Unit |
|-------------|--------|------|
| Cold Water | 205.98 | L |
| Electricity | 11.24 | kWh |
| Warm Water | 422.85 | L |

Minimum and Maximum for each Loadtype

| Household | Minimum | Maximum | Unit |
|-------------|---------|----------|-------|
| Cold Water | 0.00 | 22.13 | L/Min |
| Electricity | 0.16 | 10643.47 | Watt |
| Warm Water | 0.00 | 20.00 | L/Min |

Totals for each Loadtype per Person

| Load Type | Value | Unit |
|-------------|----------|------|
| Cold Water | 18847.45 | L |
| Electricity | 1028.19 | kWh |

| | | |
|------------|----------|---|
| Warm Water | 38690.63 | L |
|------------|----------|---|

Totals for each Loadtype per Person per Day

| Load Type | Value | Unit |
|-------------|--------|------|
| Cold Water | 51.50 | L |
| Electricity | 2.81 | kWh |
| Warm Water | 105.71 | L |

Persons

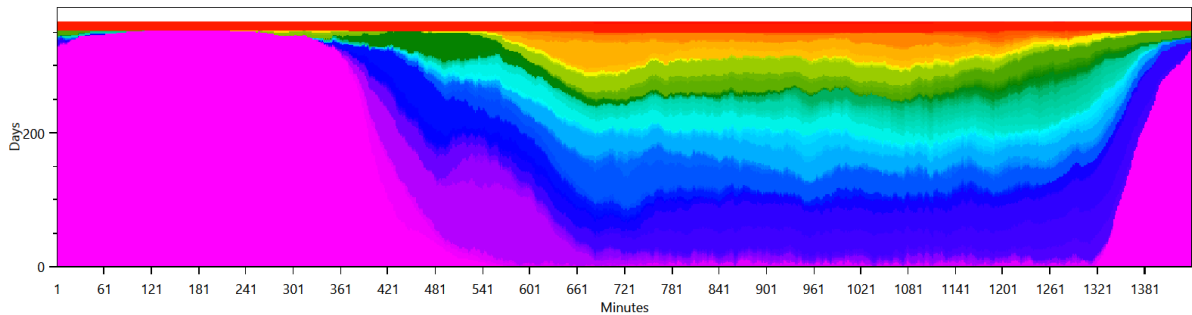
- HH0
 - CHR57 Babs (43/Female)(43/Female)
 - CHR57 Christoph (20/Male)(20/Male)
 - CHR57 Reiner (45/Male)(45/Male)
 - CHR57 Sarah (14/Female)(14/Female)

Activity Frequency Charts

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

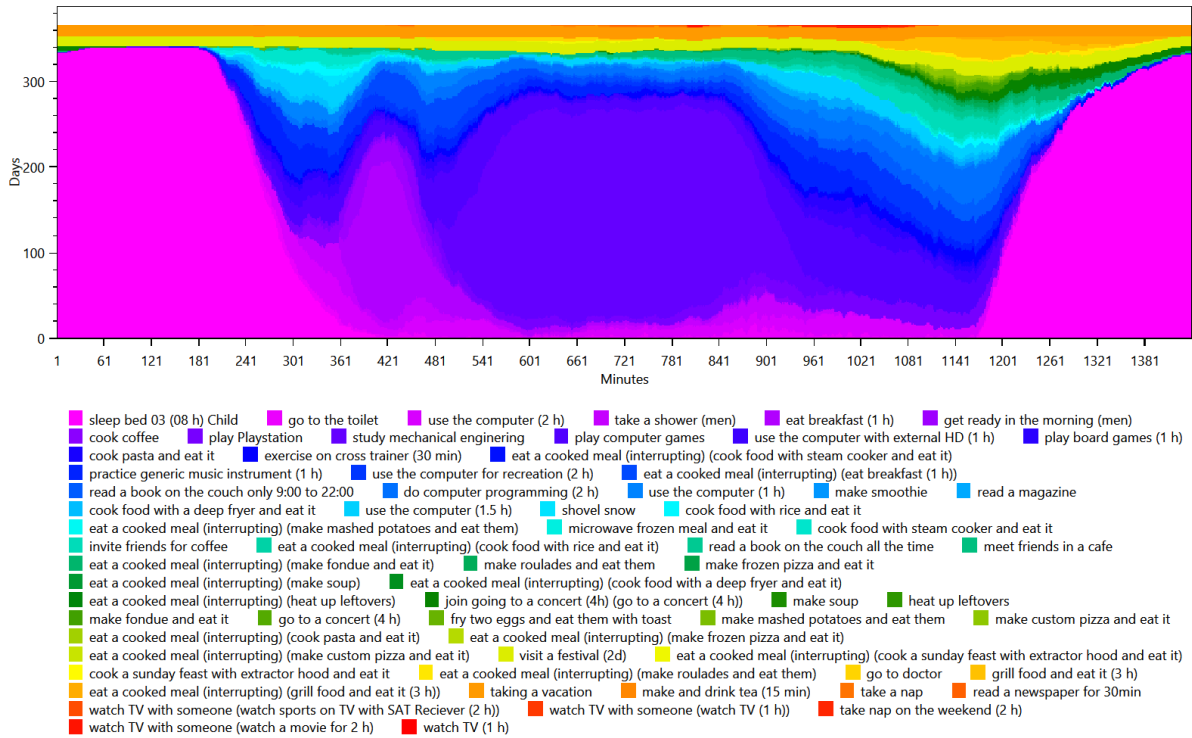
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR57 Babs (43 Female)

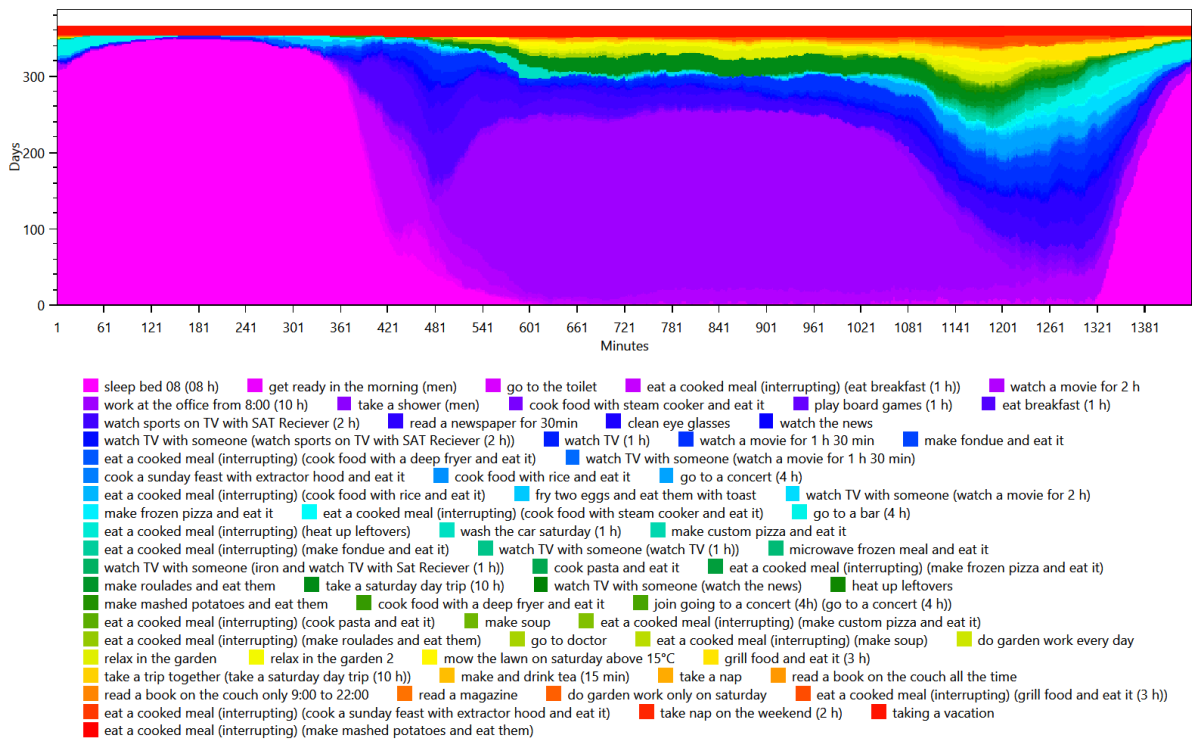


- sleep bed 02 (08 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- go to the toilet
- read a newspaper for 30min
- make and drink tea (15 min)
- eat breakfast (1 h)
- clean eye glasses
- run the dishwasher (triggered)
- watch the news
- take a nap
- take a shower with hair washing (women) (20 min hair drying)
- read a book on the couch only 9:00 to 22:00
- read a magazine
- watch a movie for 2 h
- send email from the laptop (2 h)
- microwave frozen meal and eat it
- watch TV (1 h)
- get ready in the morning (women)
- take a shower without hair washing (women)
- sweep the floors
- clean the windows
- bake a cake
- do laundry at 30°C (by variable)
- watch sports on TV with SAT Reciever (2 h)
- run the dryer with wet laundry (by variable)
- watch TV with someone (watch TV (1 h))
- drink wine
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- fry two eggs and eat them with toast
- watch a movie for 1 h 30 min
- vacuum the household
- iron and watch TV with Sat Reciever (1 h)
- exercise for 30 min on the treadmill
- watch TV with someone (watch a movie for 2 h)
- make custom pizza and eat it
- do laundry at 60°C (by variable)
- go shopping for food in the supermarket (1.5 h)
- make mashed potatoes and eat them
- clean the bath
- sew and repair clothes
- play board games (1 h)
- cook food with steam cooker and eat it
- cook food with a deep fryer and eat it
- dust the house
- cook food with rice and eat it
- iron Clothes
- cook pasta and eat it
- make soup
- heat up leftovers
- take a bath (200L)
- make fondue and eat it
- cook a sunday feast with extractor hood and eat it
- take a shower with hair washing (women) (5 min hair drying)
- read a book on the couch all the time
- eat a cooked meal (interrupting) (make fondue and eat it)
- watch TV with someone (watch a movie for 1 h 30 min)
- take a bath (150L)
- go to a concert (4 h)
- go shopping (4 h)
- invite friends for coffee
- 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)
- take a saturday day trip (10 h)
- eat a cooked meal (interrupting) (make roulades and eat them)
- redecorate the house
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- make frozen pizza and eat it
- take nap on the weekend (2 h)
- go to doctor
- join going to a concert (4h) (go to a concert (4 h))
- make roulades and eat them
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- watch TV with someone (watch the news)
- relax in the garden 2
- do garden work every day
- eat a cooked meal (interrupting) (make soup)
- water the garden outside
- relax in the garden
- eat icecream from from freezer
- do garden work only on saturday
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
- grill food and eat it (3 h)
- turn on ceiling fan (4 h)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- taking a vacation
- take a trip together (take a saturday day trip (10 h))
- eat a cooked meal (interrupting) (make frozen pizza and eat it)

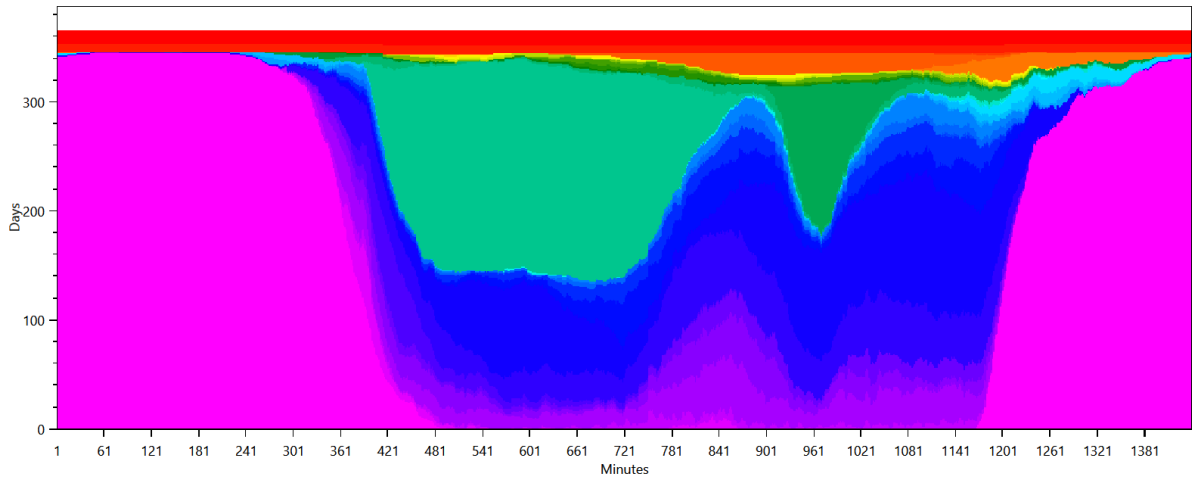
HH0 - CHR57 Christoph (20 Male)



HH0 - CHR57 Reiner (45 Male)



HH0 - CHR57 Sarah (14 Female)



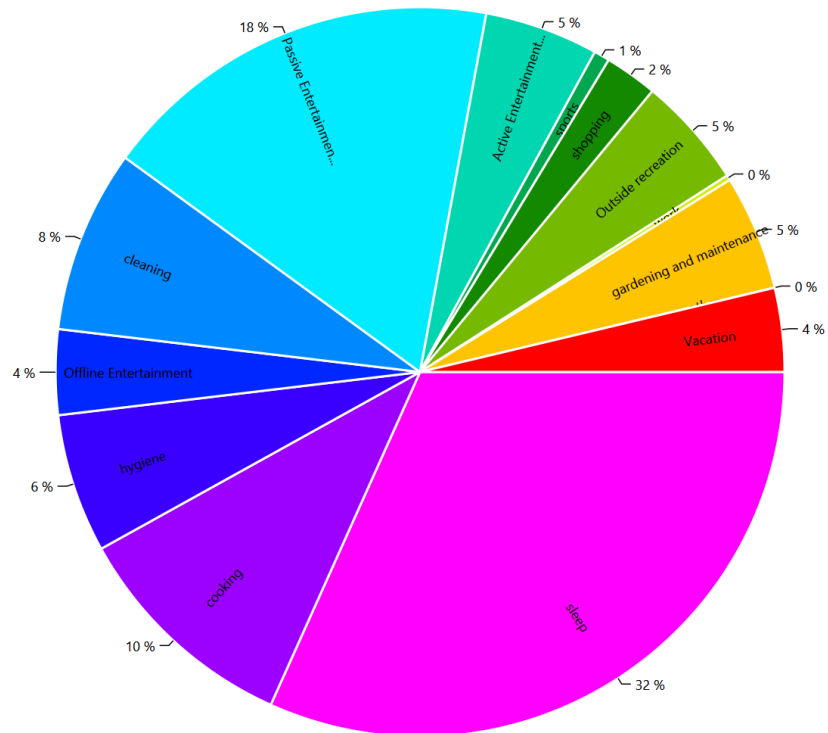
- sleep bed 04 (10 h) Child
- get ready in the morning (children)
- go to the toilet
- play with smartphone 30 min
- talk with friends on the phone
- take a shower without hair washing (women)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- play with smartphone (1 h)
- send email from the laptop (2 h)
- listen to Radio (1 h)
- paint a picture
- eat a cooked meal (interrupting) (cook pasta and eat it)
- take a shower with hair washing (women) (20 min hair drying)
- play board games (1 h)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- eat a cooked meal (interrupting) (make fondue and eat it)
- 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)
- eat a cooked meal (interrupting) (make roulades and eat them)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- go to school (considers vacations)
- take a shower with hair washing (women) (5 min hair drying)
- do homework
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- make and drink tea (15 min)
- watch sports on TV with SAT Reciever (2 h)
- read a book on the couch only 9:00 to 22:00
- take a nap
- take nap on the weekend (2 h)
- read a magazine
- watch TV with someone (watch the news)
- read a book on the couch all the time
- watch a movie for 2 h
- watch a movie for 1 h 30 min
- watch TV (1 h)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (make soup)
- eat a cooked meal (interrupting) (heat up leftovers)
- eat a cooked meal (interrupting) (grill food and eat it (3 h))
- go swimming in the outdoor swimming pool (6 h)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- go to summer camp for one week
- 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.

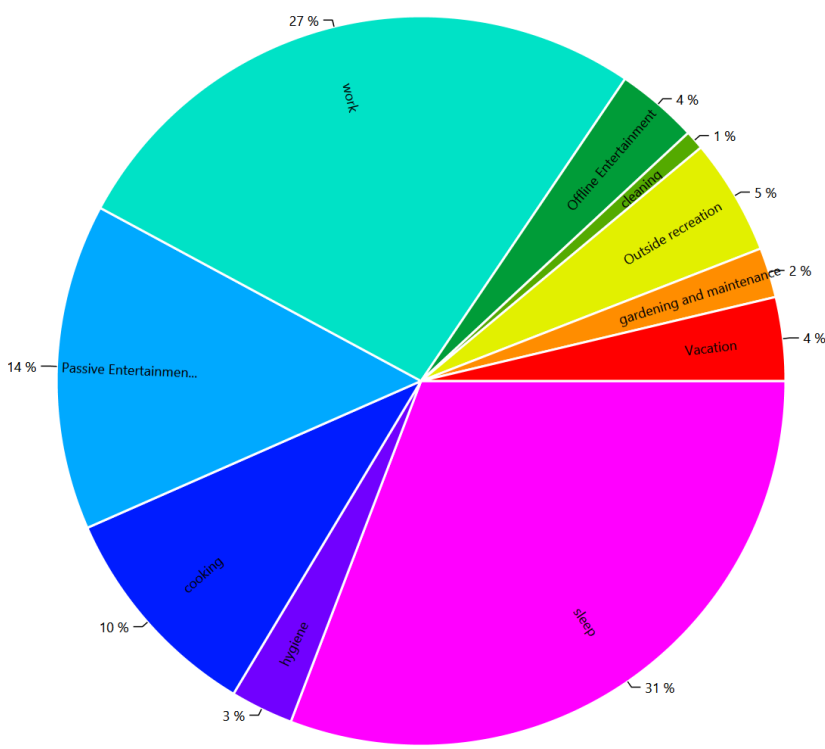
HH0 - CHR57 Babs (43 Female)



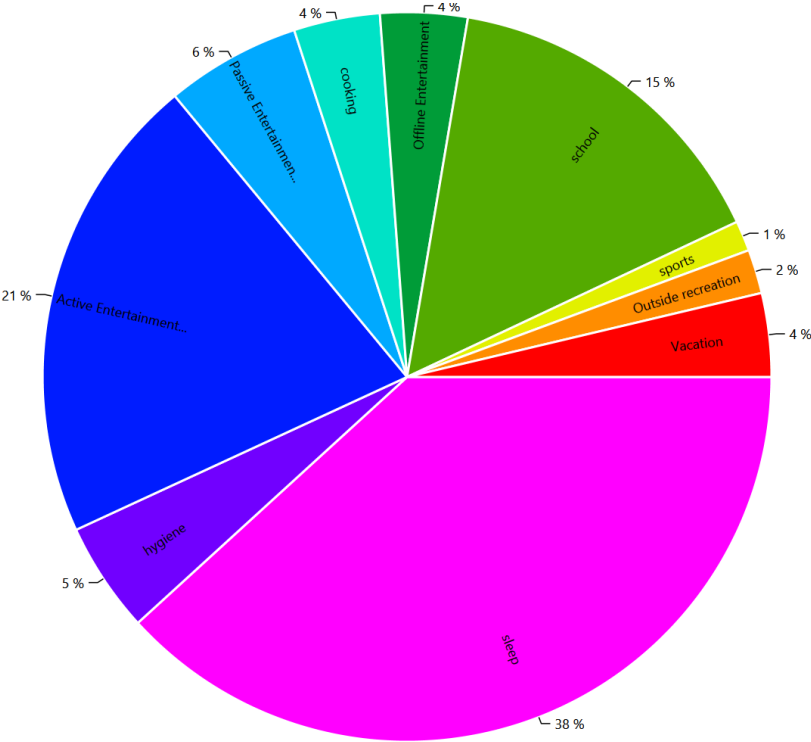
HH0 - CHR57 Christoph (20 Male)



HH0 - CHR57 Reiner (45 Male)



HH0 - CHR57 Sarah (14 Female)

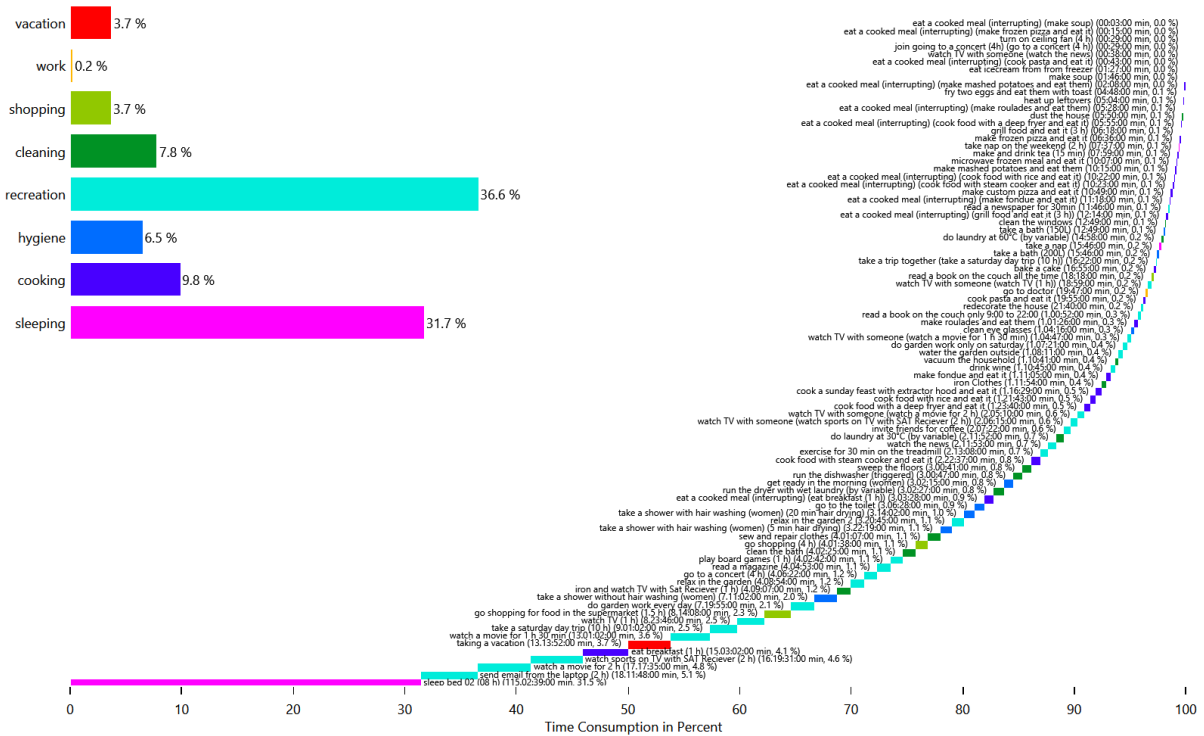


Time Use per Person per Affordance Per Person

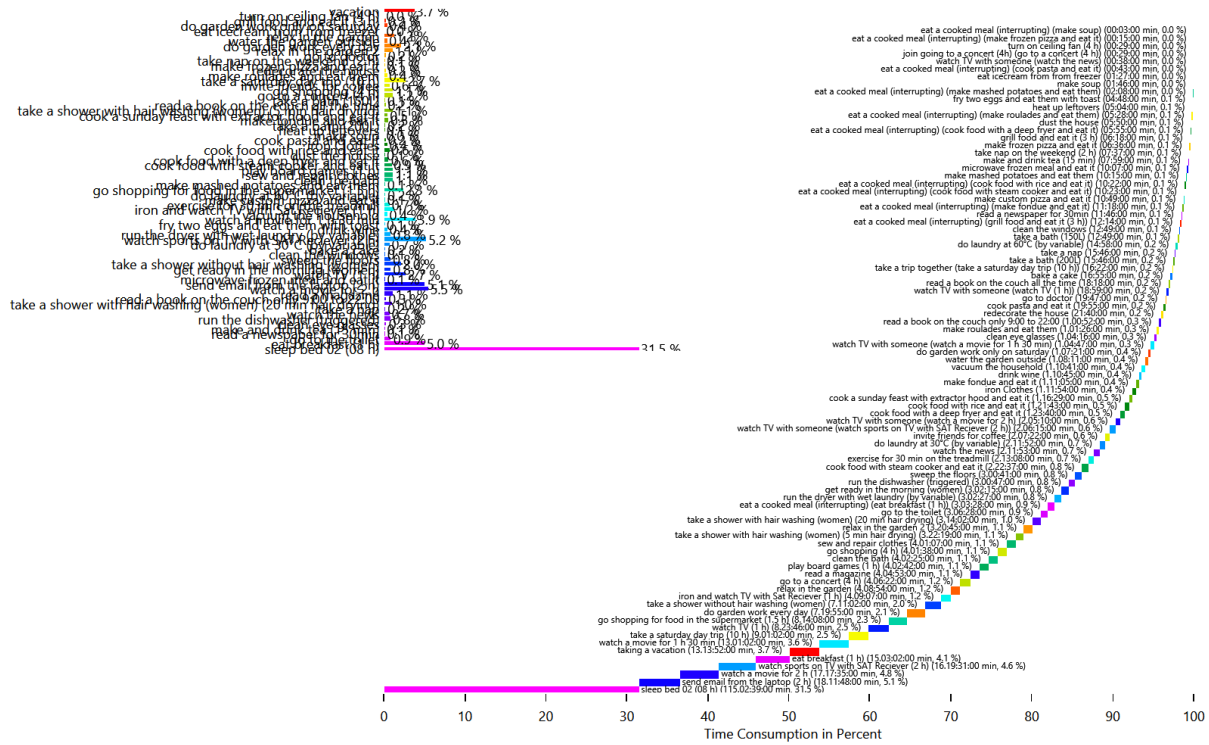
This is made from the files starting with: AffordanceTimeUse

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.

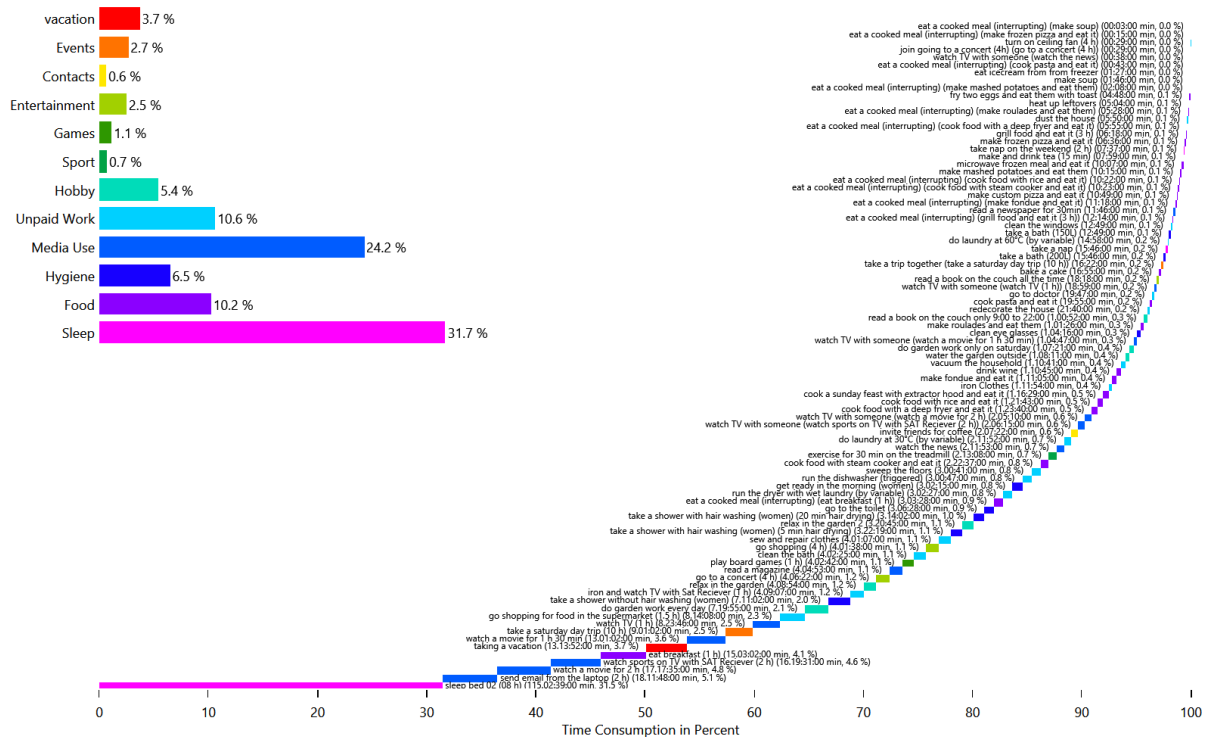
HH0 - CHR57 Babs (43 Female)



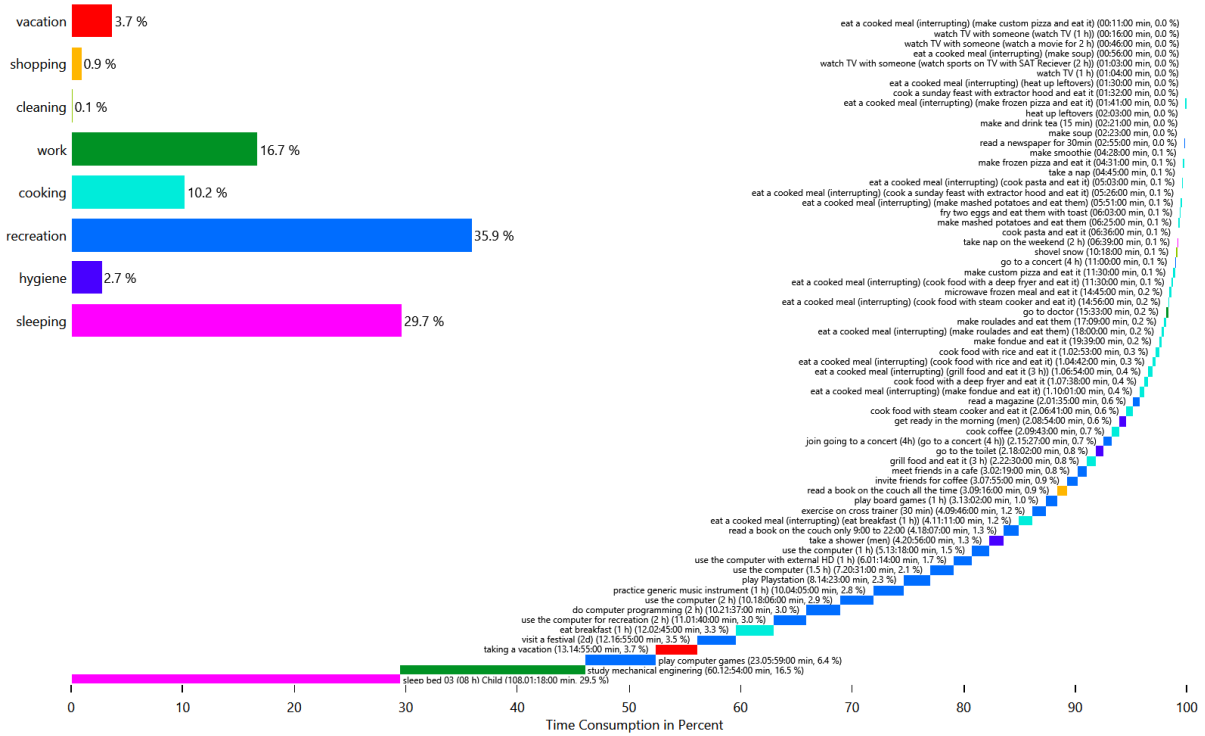
HH0 - CHR57 Babs (43 Female)



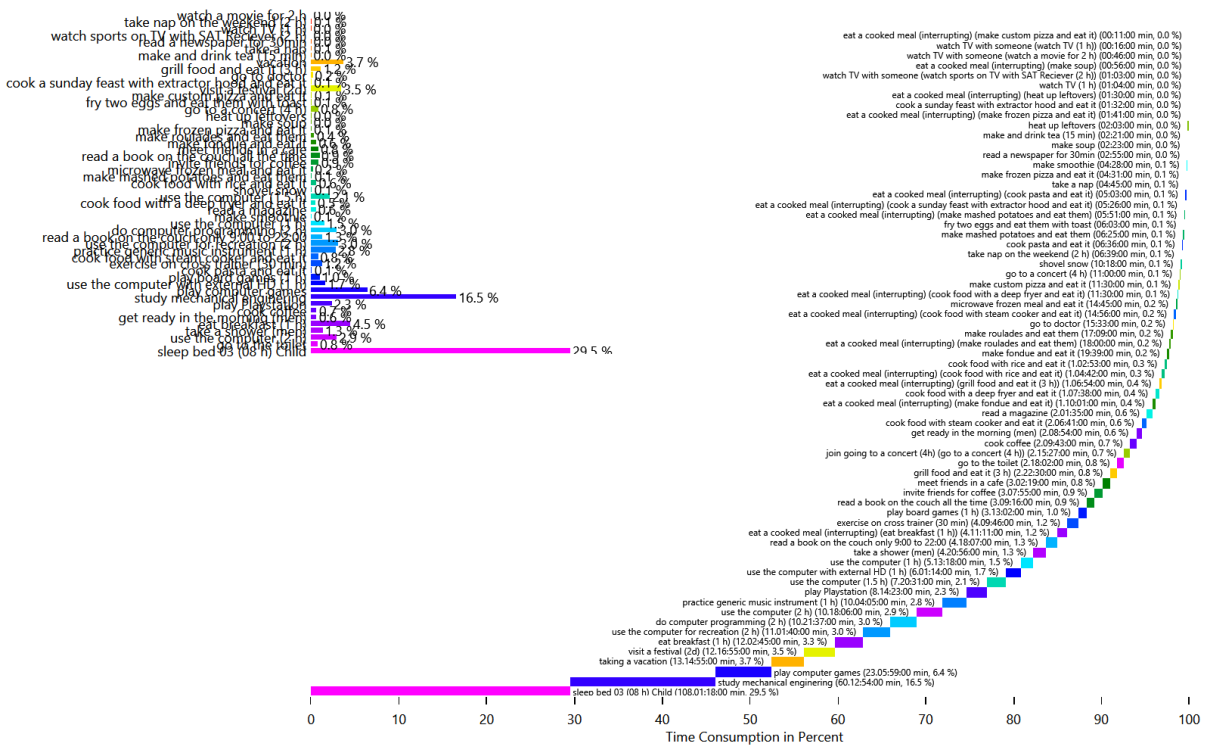
HH0 - CHR57 Babs (43 Female)



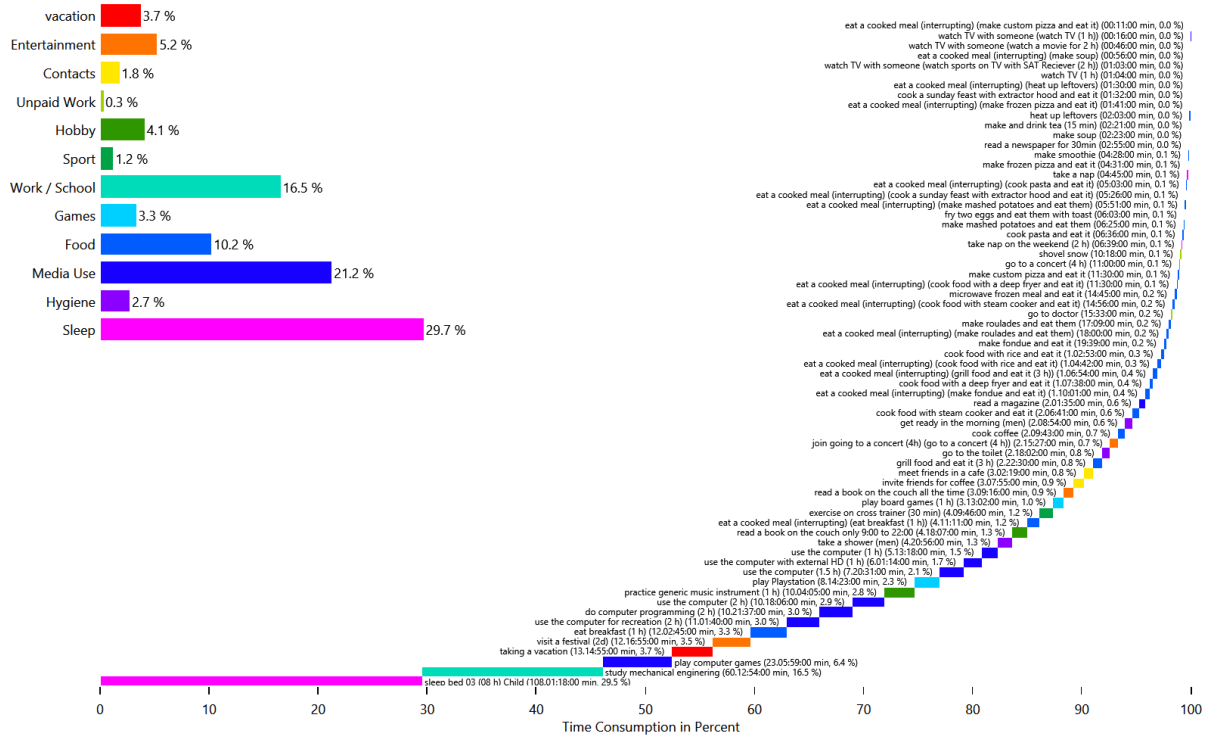
HH0 - CHR57 Christoph (20 Male)



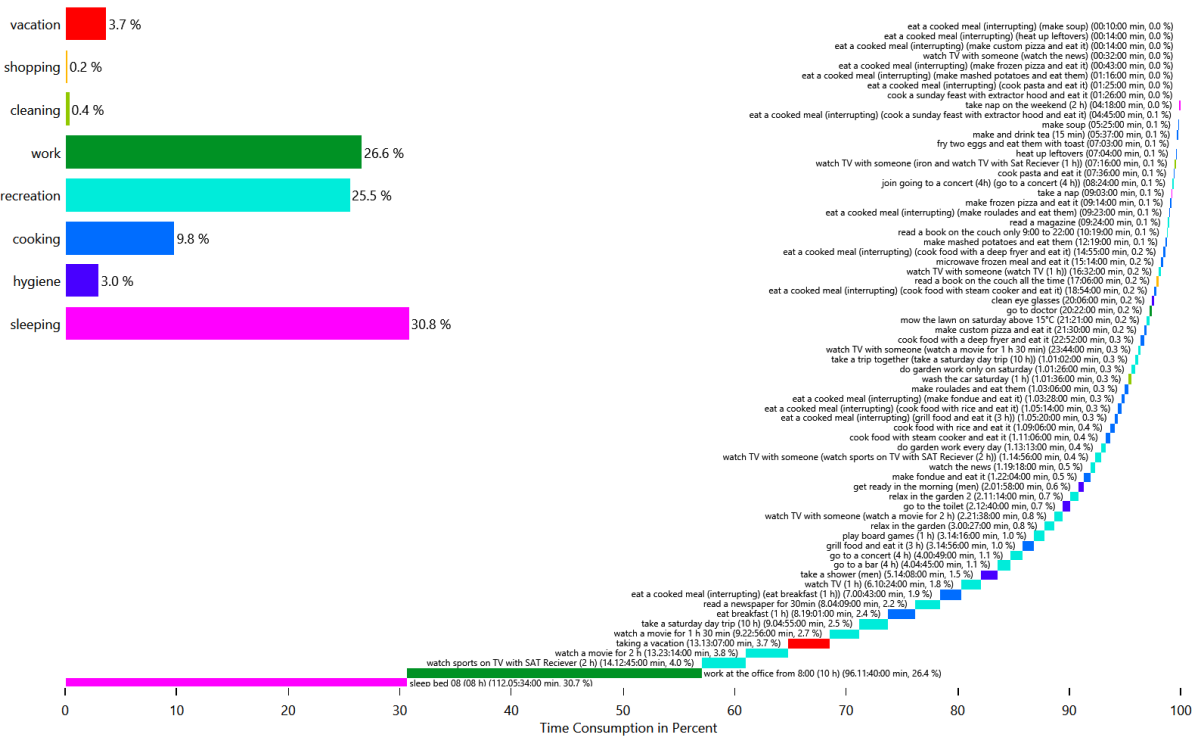
HH0 - CHR57 Christoph (20 Male)



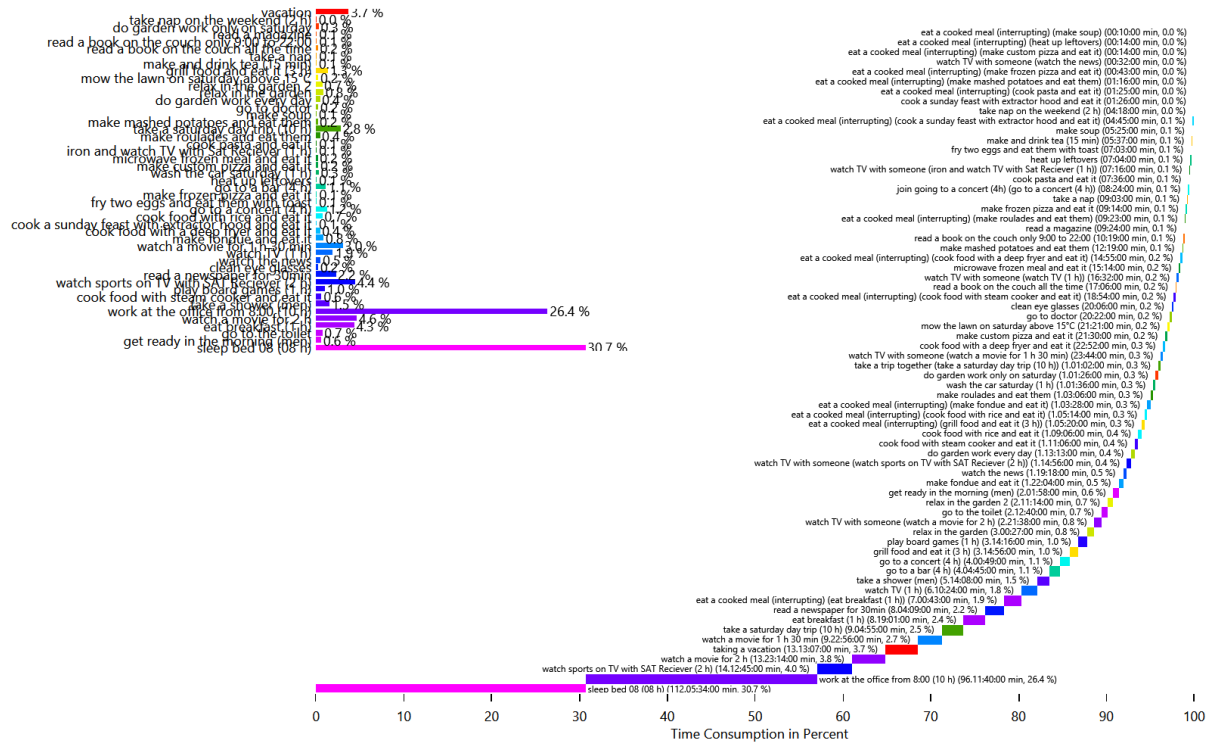
HH0 - CHR57 Christoph (20 Male)



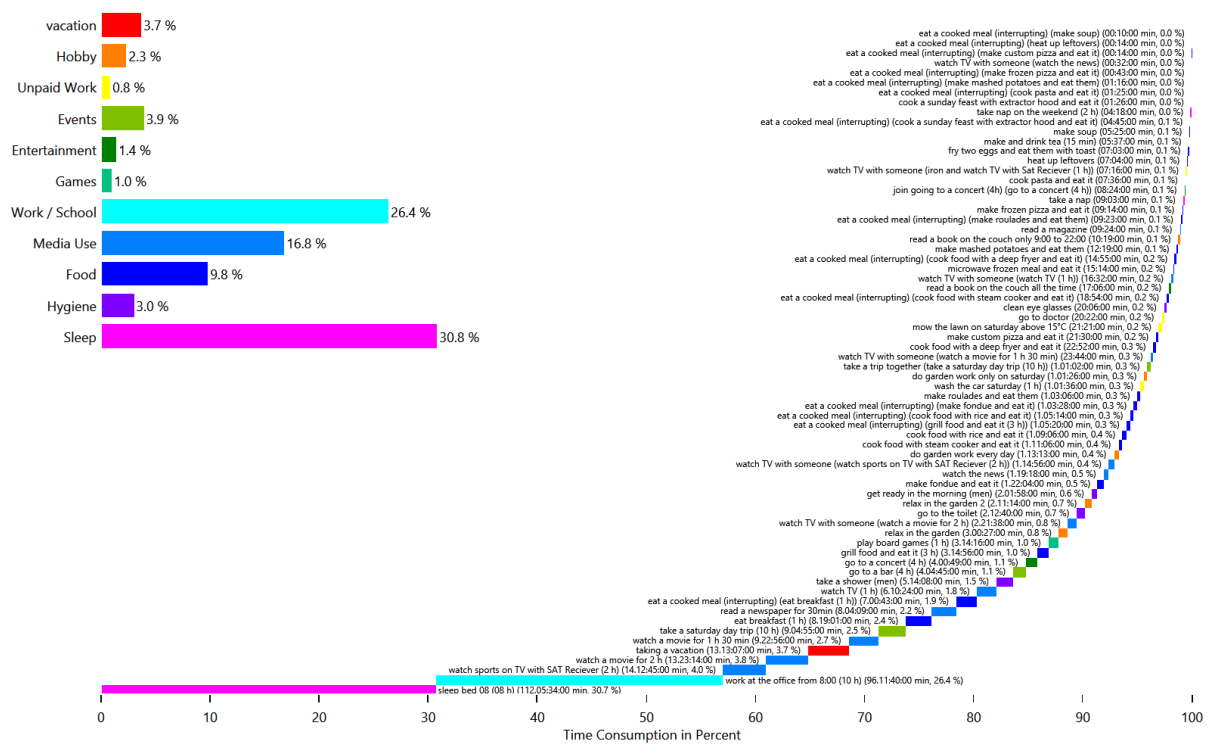
HH0 - CHR57 Reiner (45 Male)



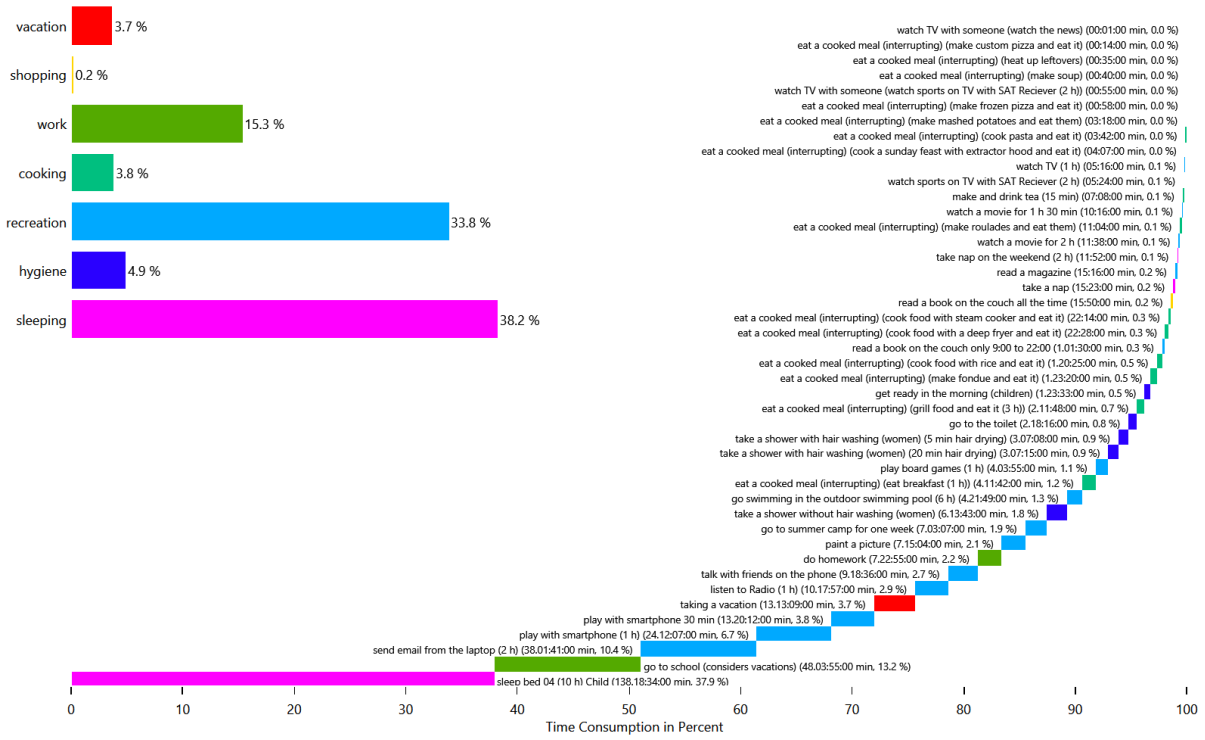
HH0 - CHR57 Reiner (45 Male)



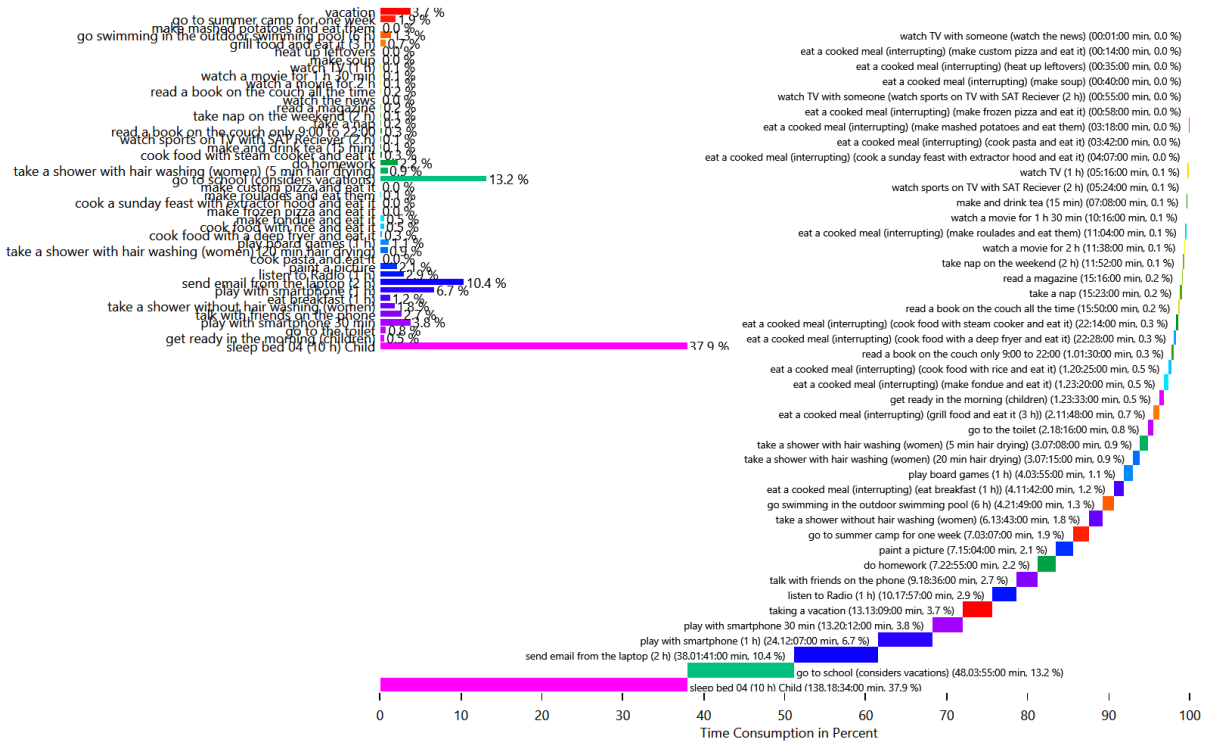
HH0 - CHR57 Reiner (45 Male)



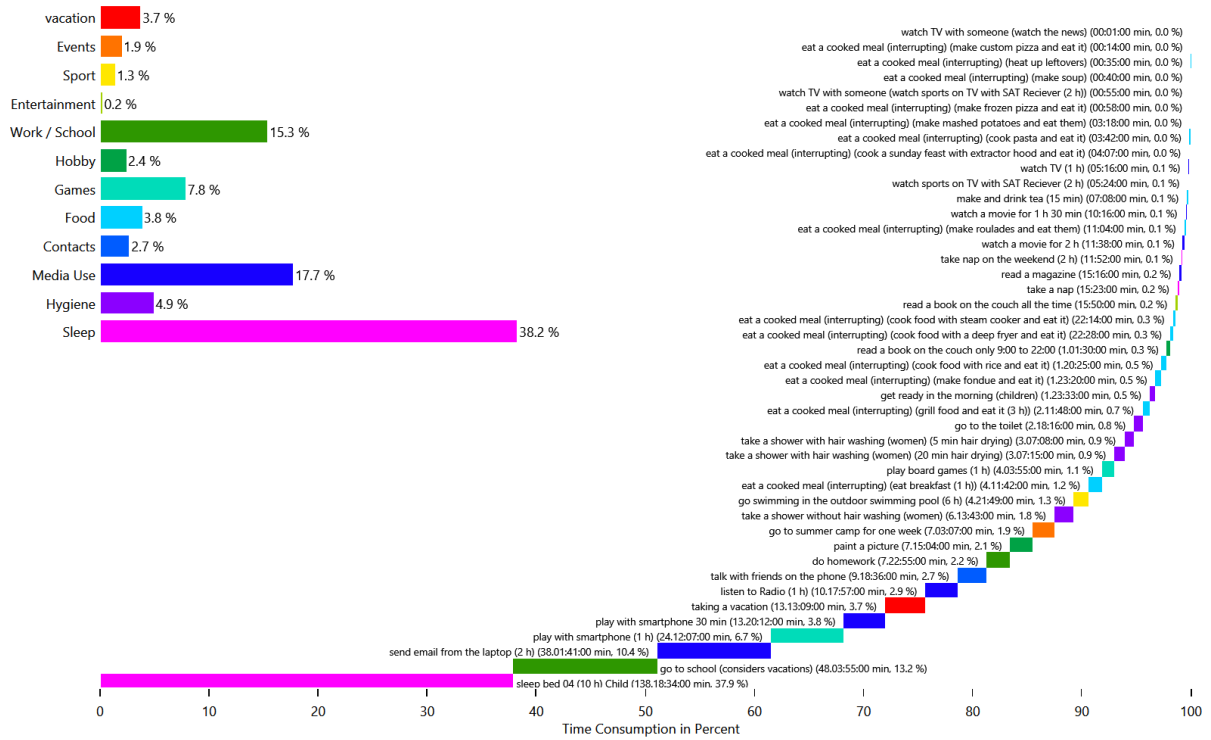
HH0 - CHR57 Sarah (14 Female)



HH0 - CHR57 Sarah (14 Female)



HH0 - CHR57 Sarah (14 Female)

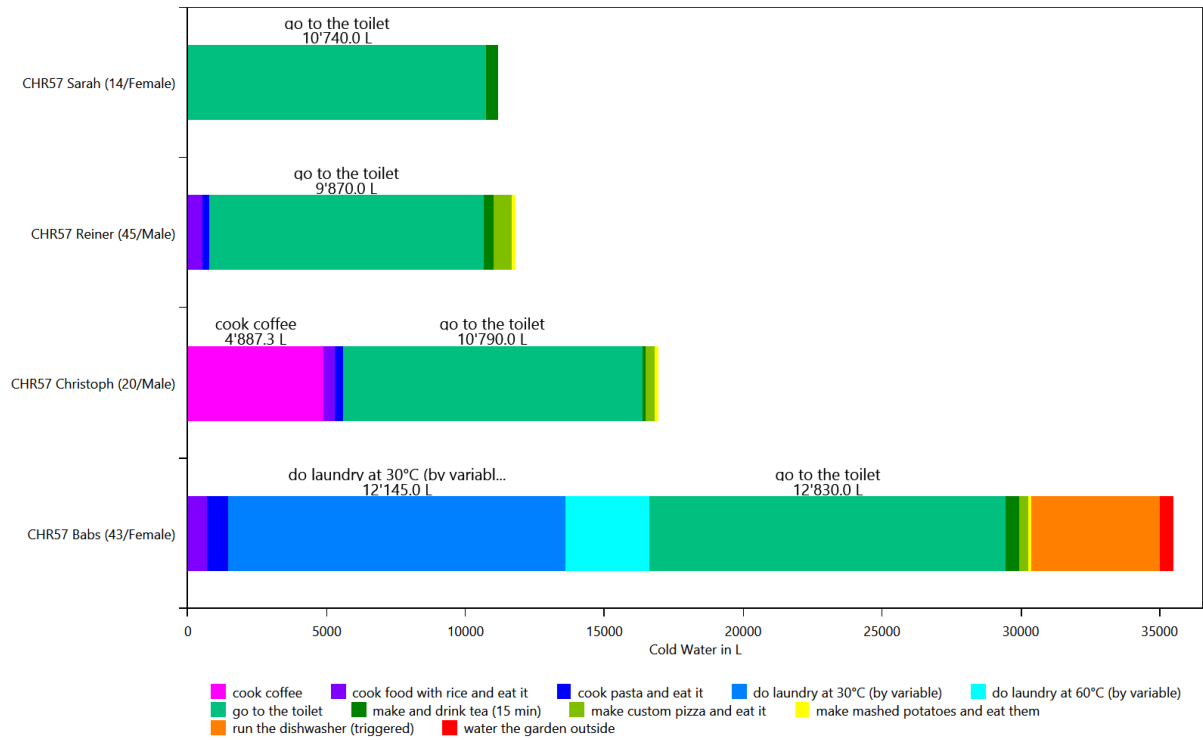


Energy use per person per affordance

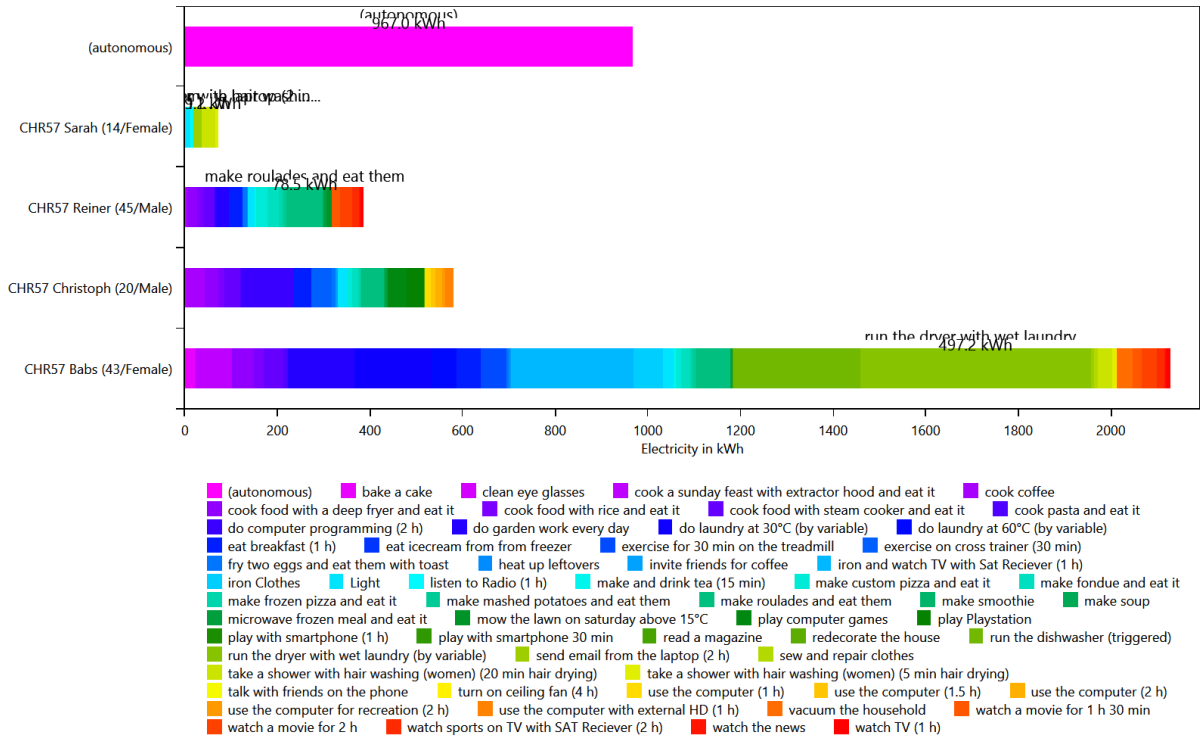
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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.

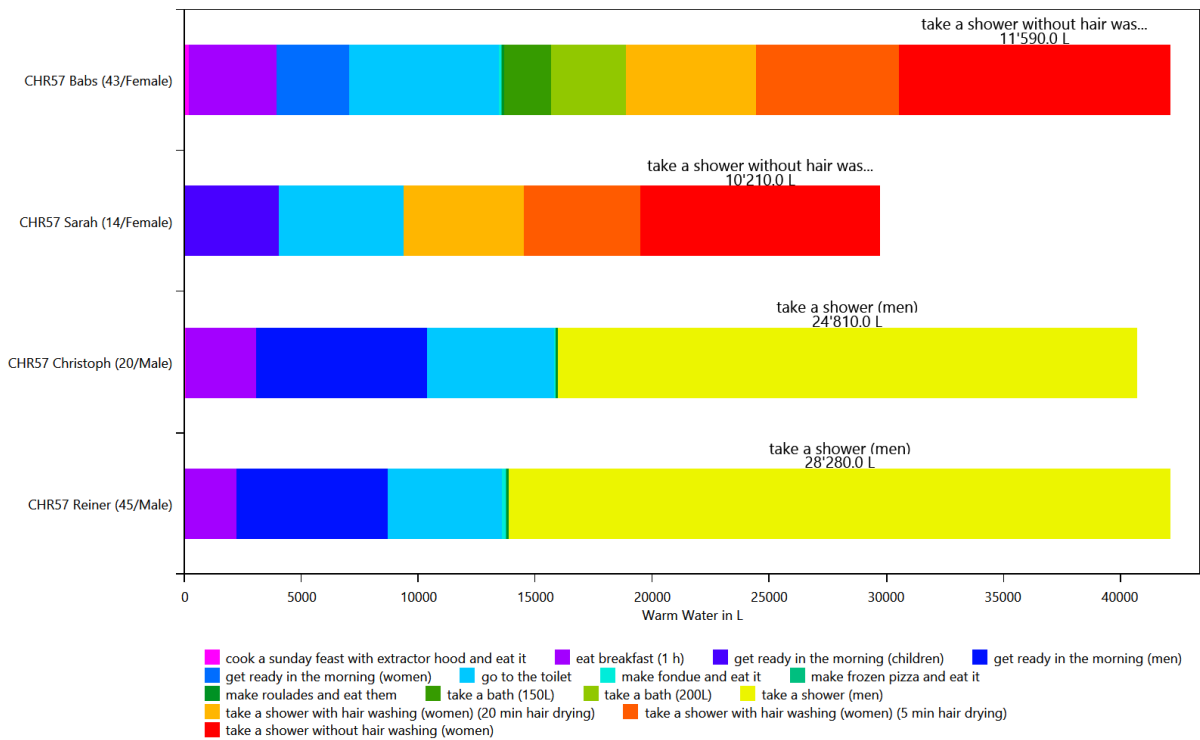
HH0 - Cold Water



HH0 - Electricity



HH0 - Warm Water

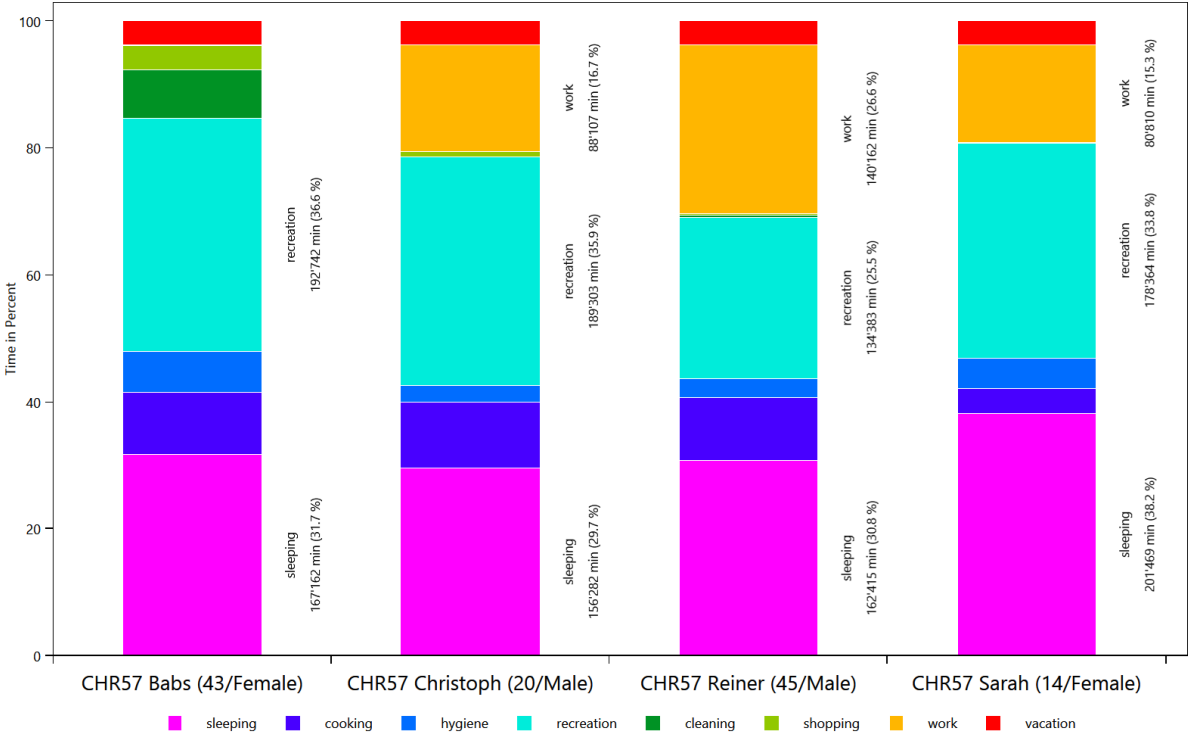


Time Use per Person Per Affordance according to different category definitions

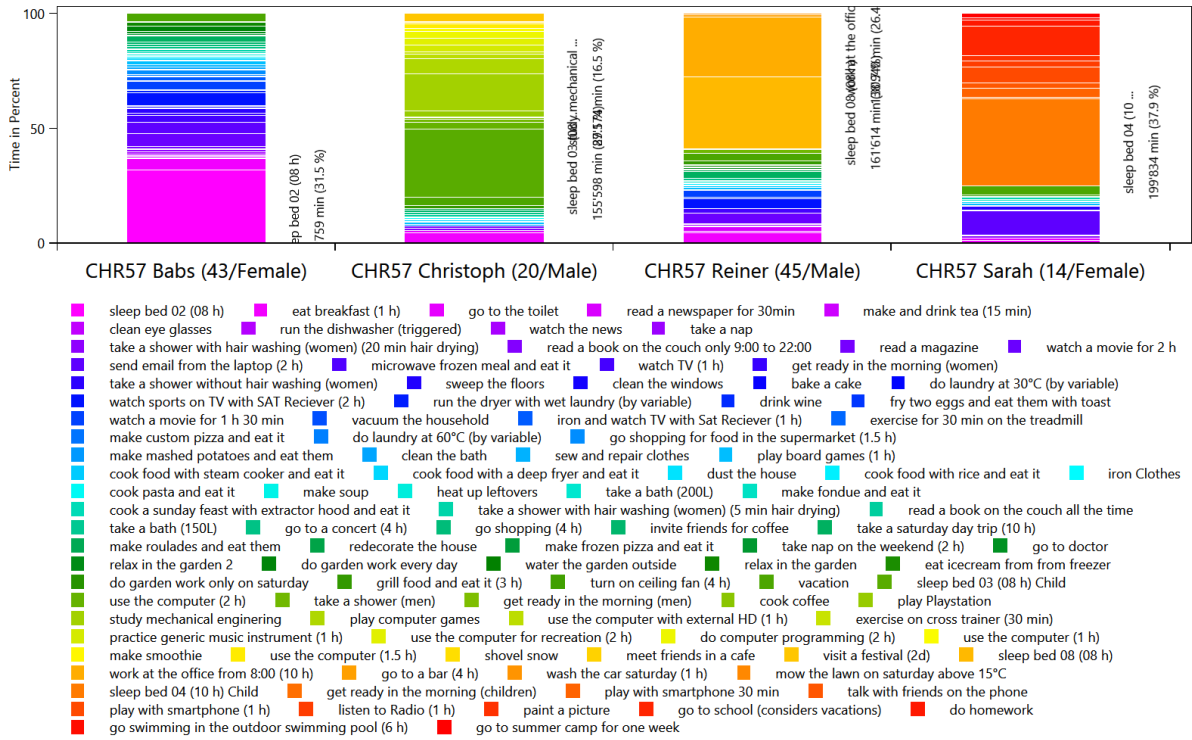
This is made from the files starting with: AffordanceTaggingSet

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.

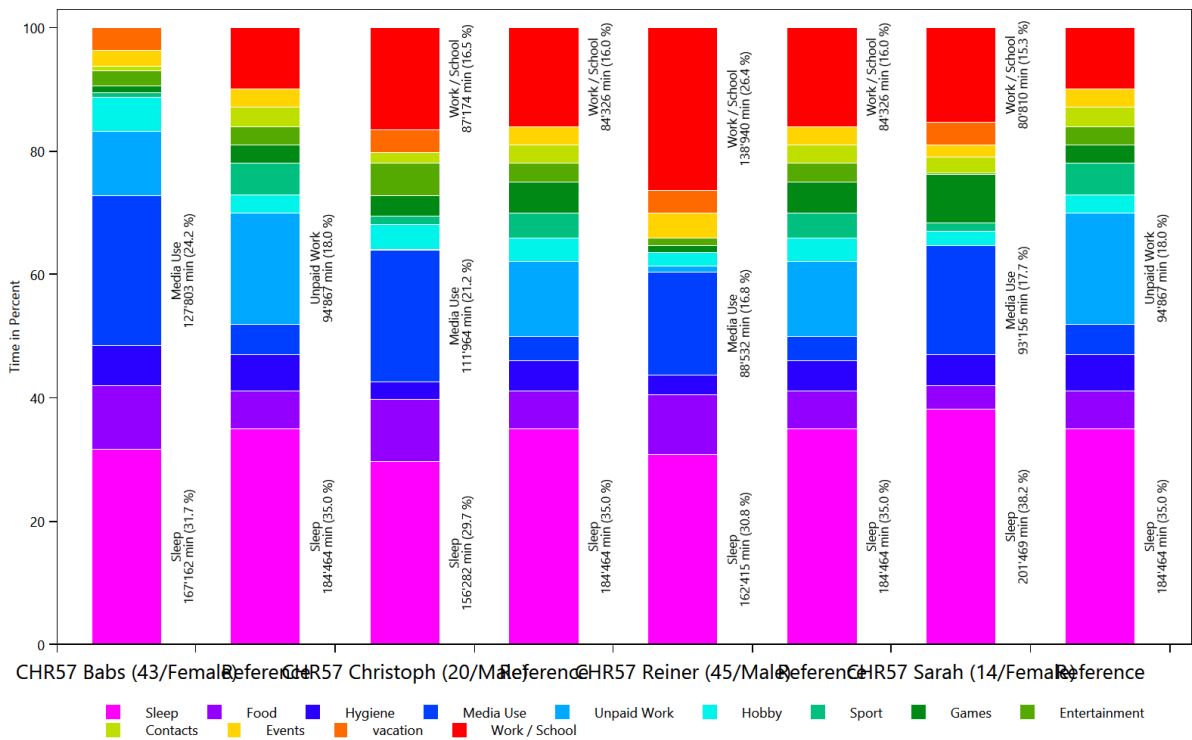
Basic Tagging - HH0



Tagging Set For Planning - HH0



Wo bleibt die Zeit - HH0

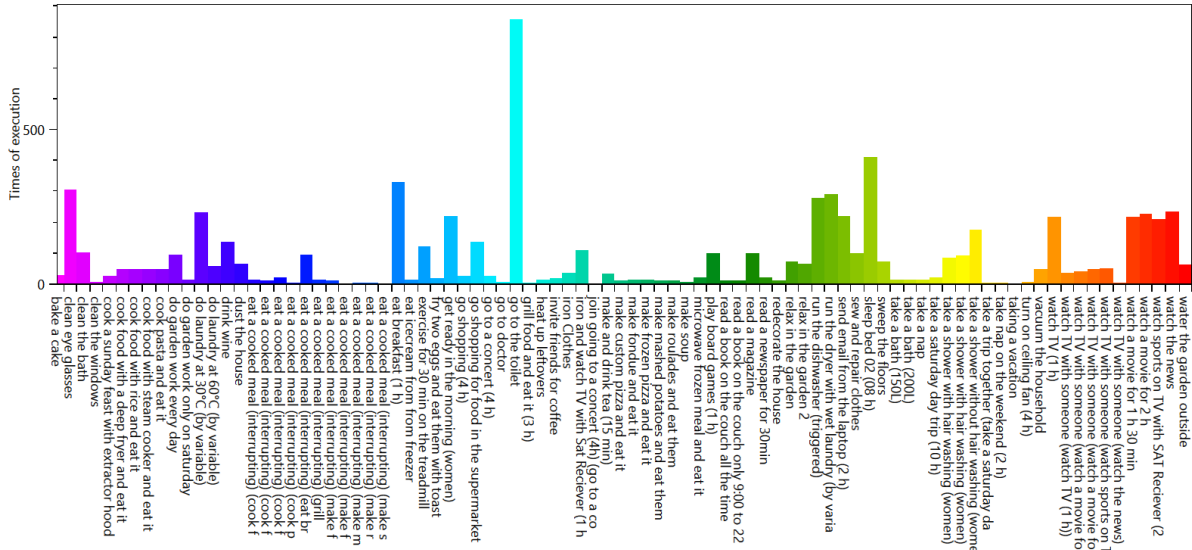


Overview of the actions of each member of the household

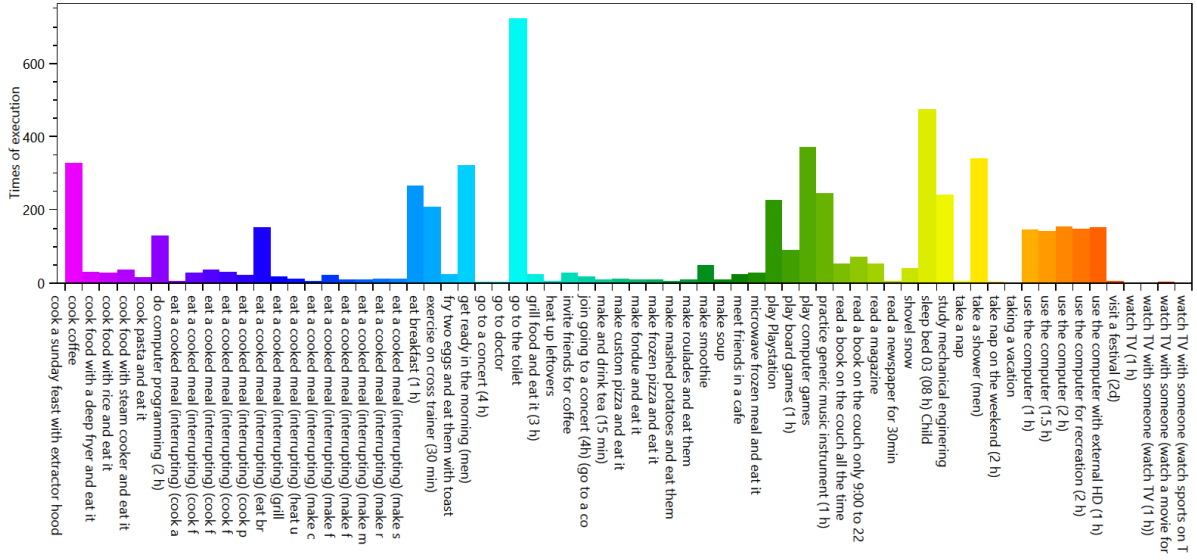
This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

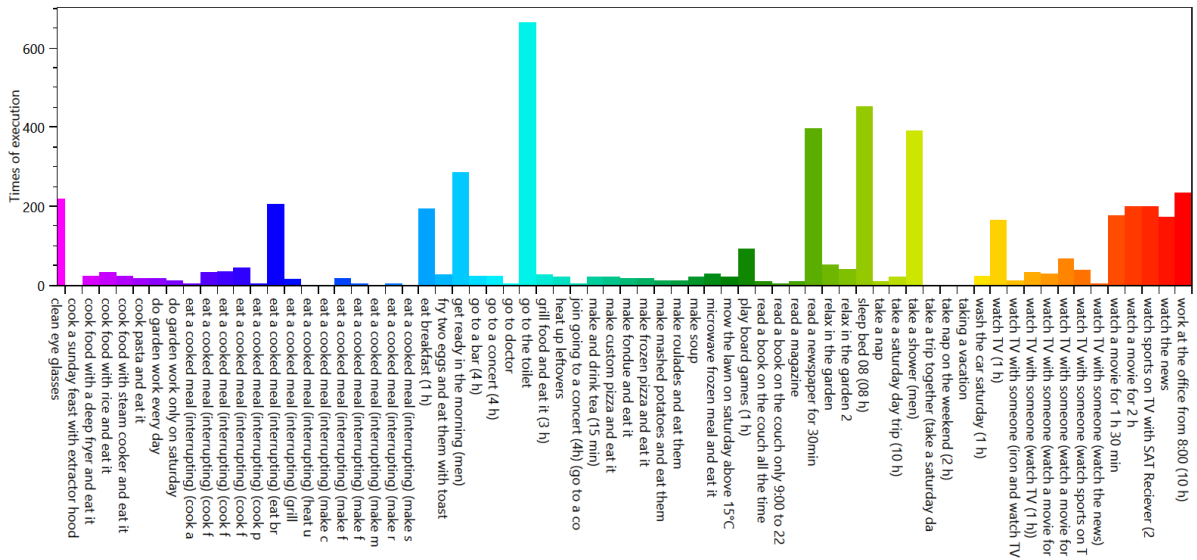
HH0 - CHR57 Babs (43 Female)



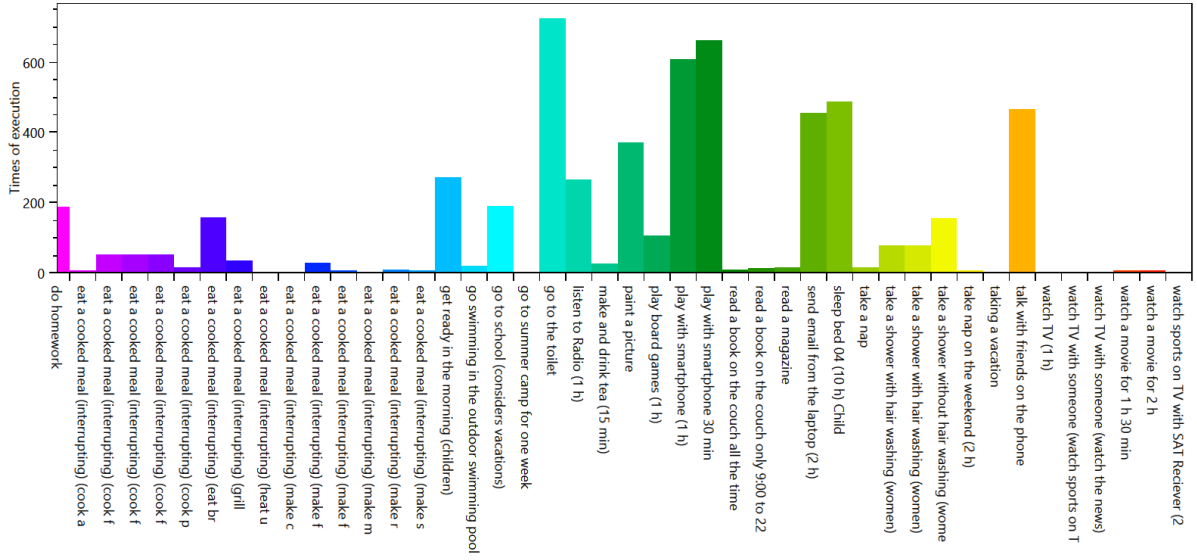
HH0 - CHR57 Christoph (20 Male)



HH0 - CHR57 Reiner (45 Male)



HH0 - CHR57 Sarah (14 Female)

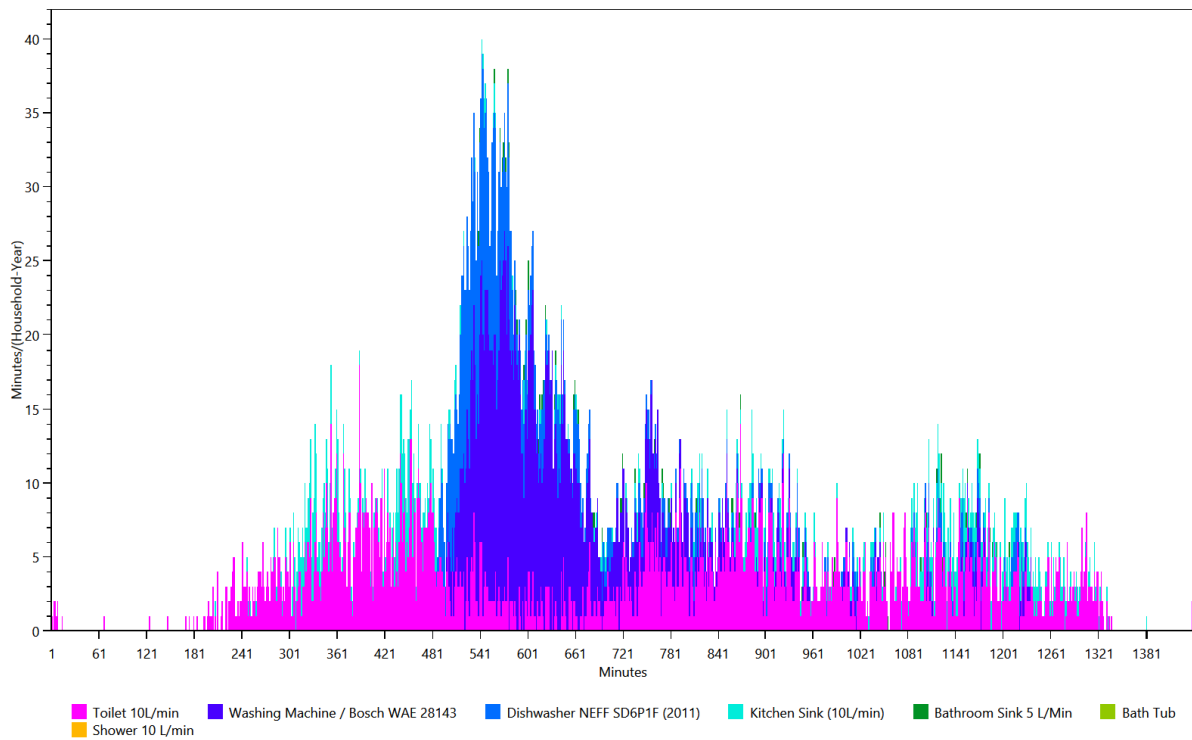


Overview of the time of the use per load type per device

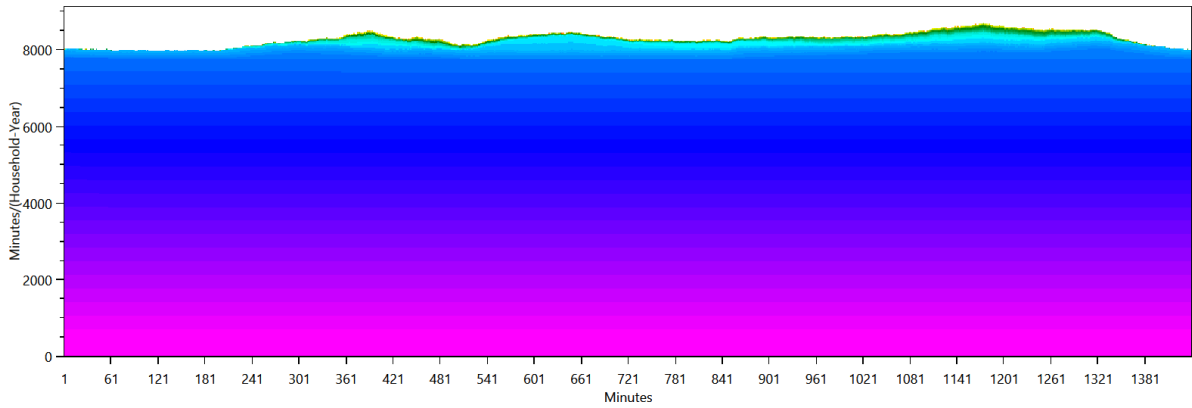
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

Cold Water

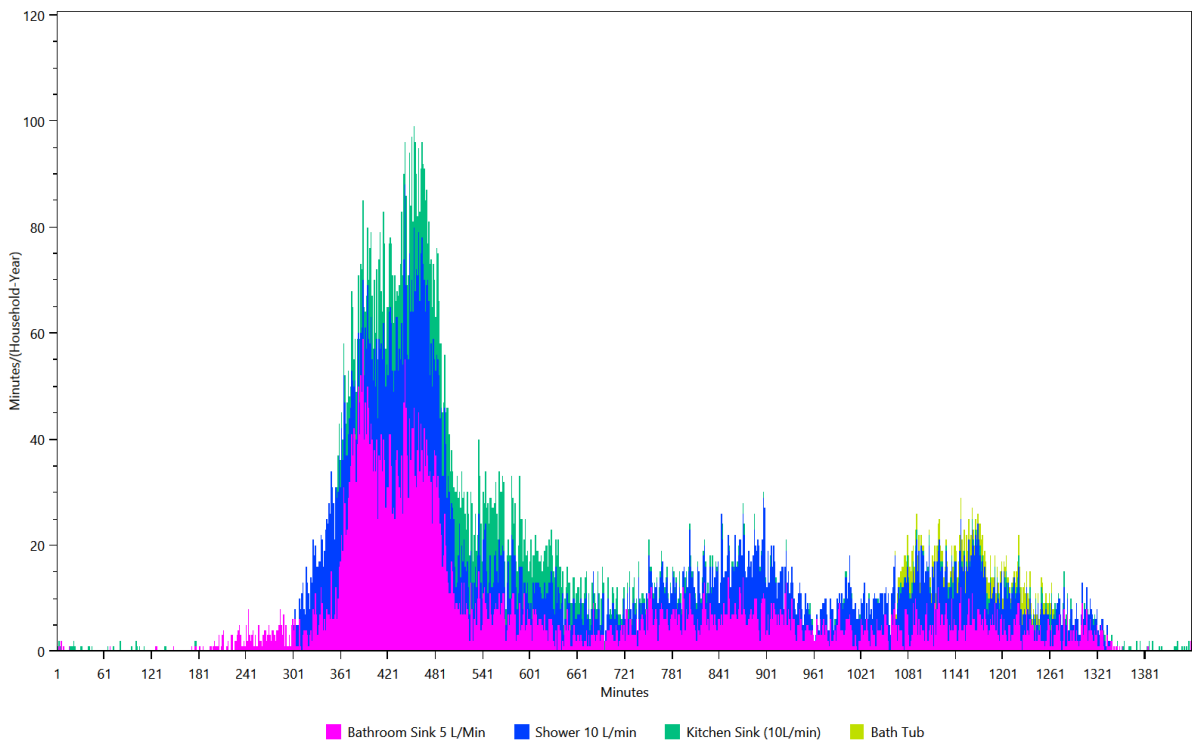


Electricity



- TV Medion MD20123_DE_A
- Electric Toothbrush Dondodent Professional Clean
- Cell Phone Samsung Charging
- Phone Siemens Gigaset C320
- Electronic Hometrainer / Kettle Satura E
- Electric Razor Braun Cruzer 5
- Sony PlayStation 3
- TASKalfa 180
- Laptop Sony Vaio SVE151G11M
- CD/DVD Player / Philips DVDR 725 H
- PC / Acer 8400
- PC Monitor / Fujitsu Siemens Scaleoview D19-1
- Terratec Noxon iRadio 360
- Router O2 Box 6431
- Epson Stylus Color 860
- Yamaha RX-V667
- SAT Receiver / Kathrein UFS913
- Cordless Screwdriver / Bosch PSR 18 LI-2
- Microwave / Panasonic NN 5259
- Gaming Computer
- Kitchen radio / AEG KRC 4323 CD
- Living Room Light (Energy Saving Lamp, 20W)
- LG GC W 141 BXC
- Bauknecht GTE 260
- Siemens KI 20 LA 65 (A+)
- Dishwasher NEFF SD6P1F (2011)
- Kitchen Light (20W)
- Washing Machine / Bosch WAE 28143
- Dryer / Miele T 8626 WP
- Bathroom Light (20W)
- Bathroom Mirror Light 10 W (LED)
- External Harddrive Iomega 3.5"
- Energy Saving Lamp / EL-REF 11 E27
- Juicer / Moulinex Vitafruit
- Steam Iron / Phillips GC 4410
- Children Room Light Device (20W)
- Steam Cooker / Phillips HD9140
- Miele DA 61
- Miele DG 1450
- AEG NM 2701 Premium
- Fondue / Unold 48746 Asia
- Extractor Hood / Miele DA 429-4
- Single Stove Plate
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Hair Dryer Braun Silencio 1250
- Lawn Mower / Sabo 32-EL
- Christopheit Treadmill TM 2 Pro
- Hedge Trimmer / Bosch AHS 550-24 ST
- Clatronic MS 3249 Milk Foamer
- Ricecooker / Tristar RK-6112
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Eye Glass Cleaner Grundig UC 5020
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Toaster Salco MT 400
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Bedroom Light (20W)
- Atika LH 2500 G
- Nespresso Coffee Machine, Single Cup
- Canon CanoScan LIDE 110
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Westinghouse Fanaway
- Food Slicer / DOMO Schneidemaschine DO521S
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Electric Kettle / Petra WK288 1.5L
- Handmixer / Phillips Robust HR 1581
- Blender Vitamix Moulinex
- Hand-held Circular Saw / Bosch PKS 46
- Skil 4270
- AEG PN 2200 RX 4935365097
- AEG SB 2E 650 R
- Immersion Blender Noah Hit Top

Warm Water



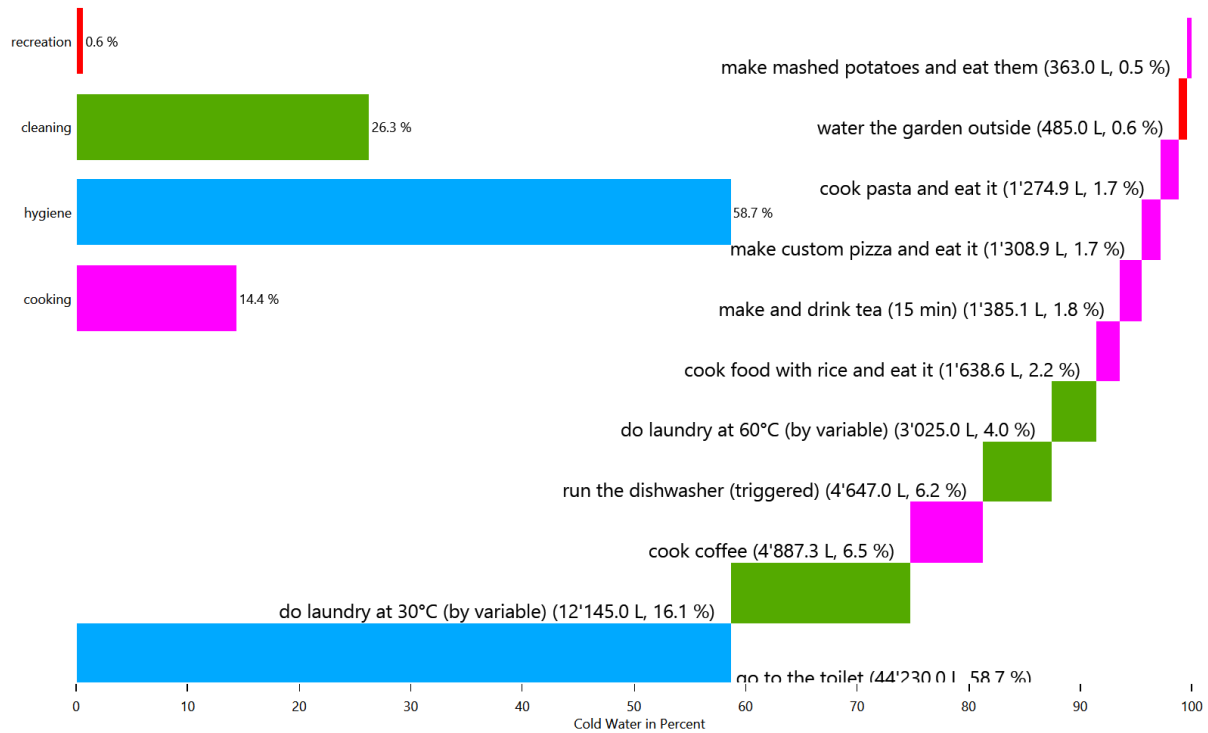
- Bathroom Sink 5 L/Min
- Shower 10 L/min
- Kitchen Sink (10L/min)
- Bath Tub

Energy/Resource use distribution per load type per affordance

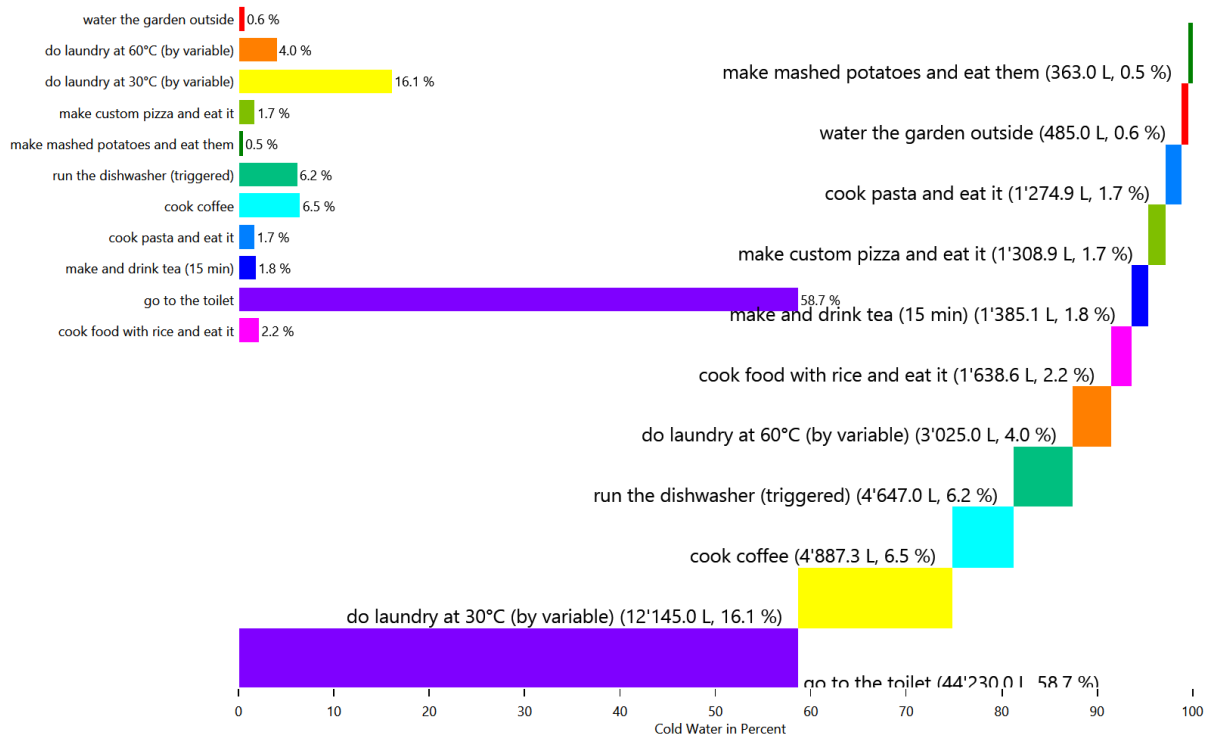
This is made from the files starting with: **AffordanceEnergyUse**

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

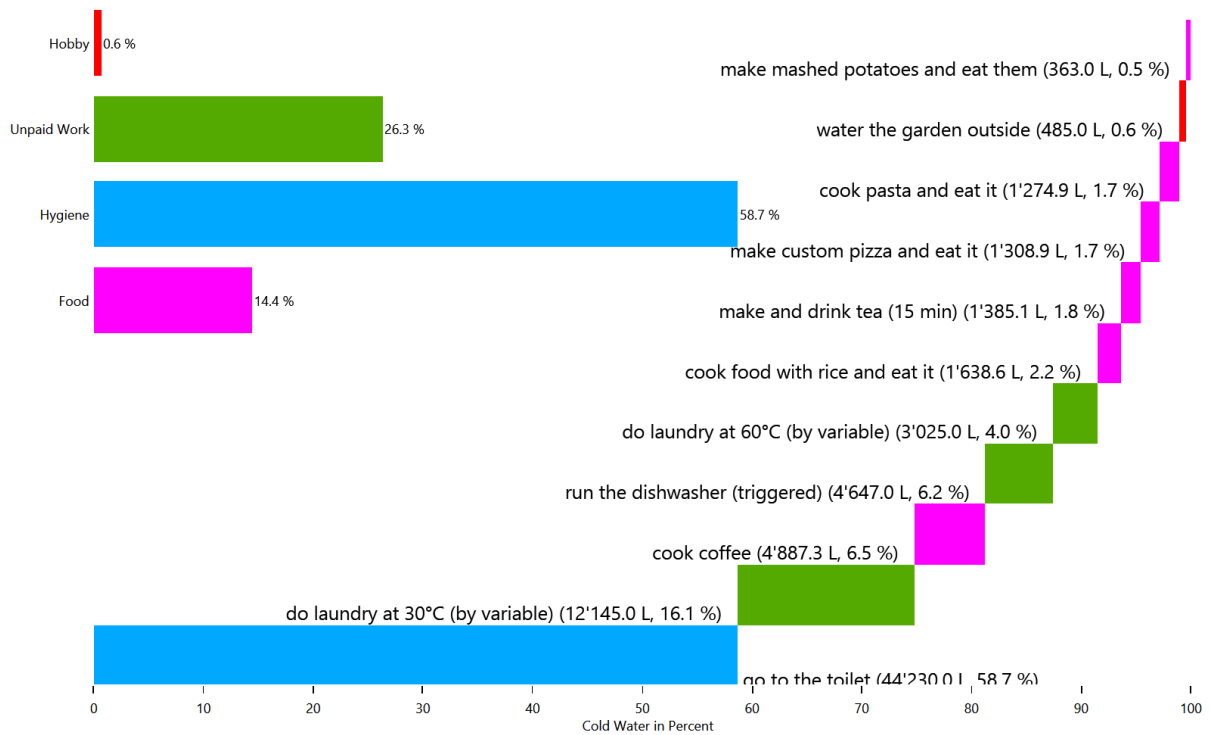
HH0 - Cold Water



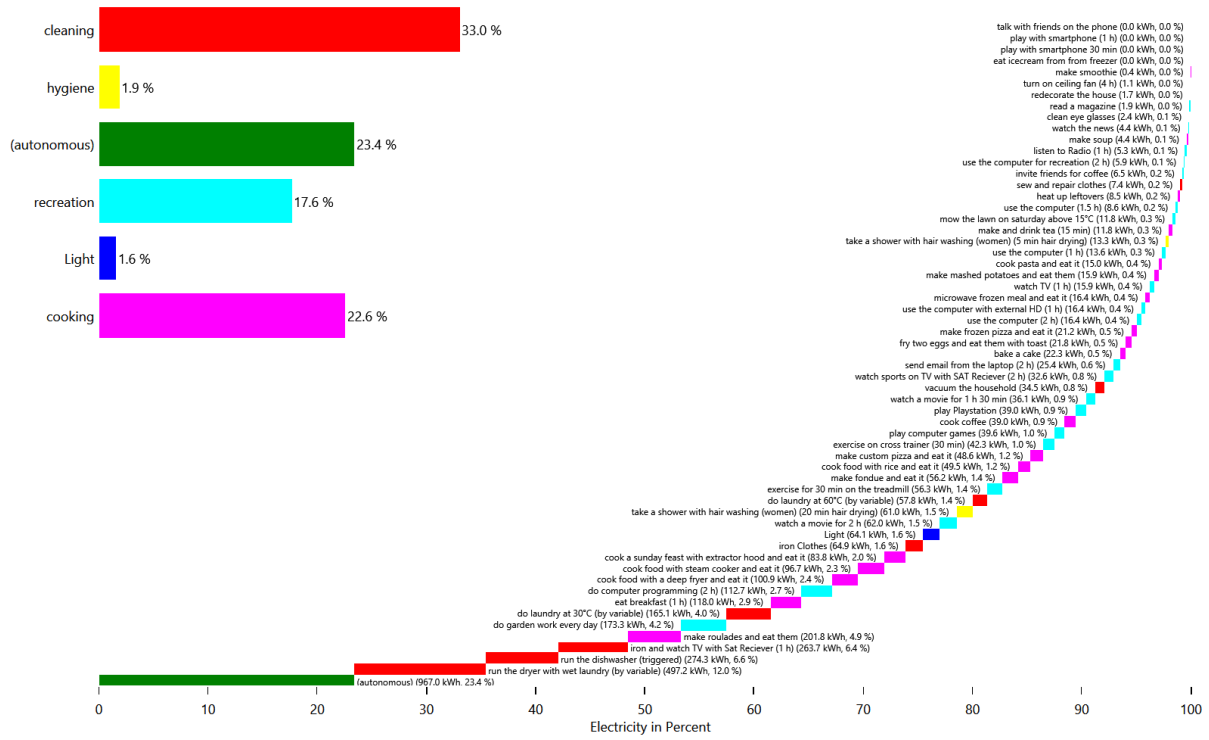
HH0 - Cold Water



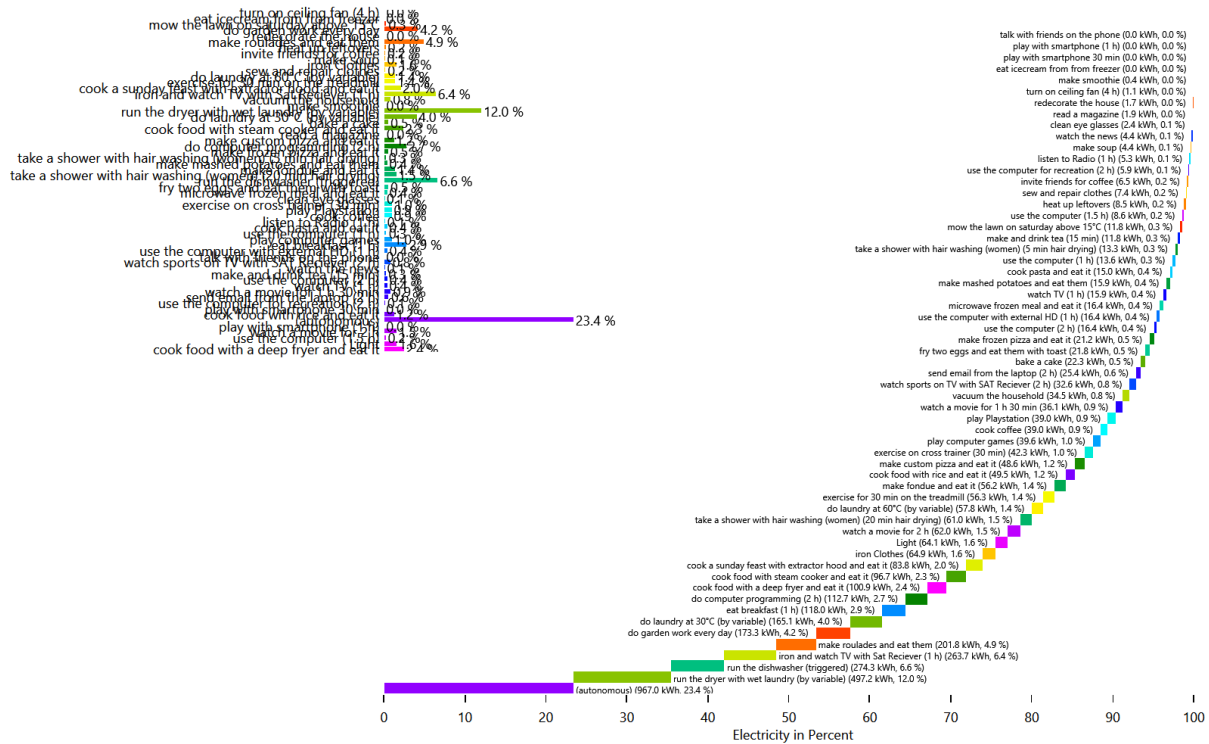
HH0 - Cold Water



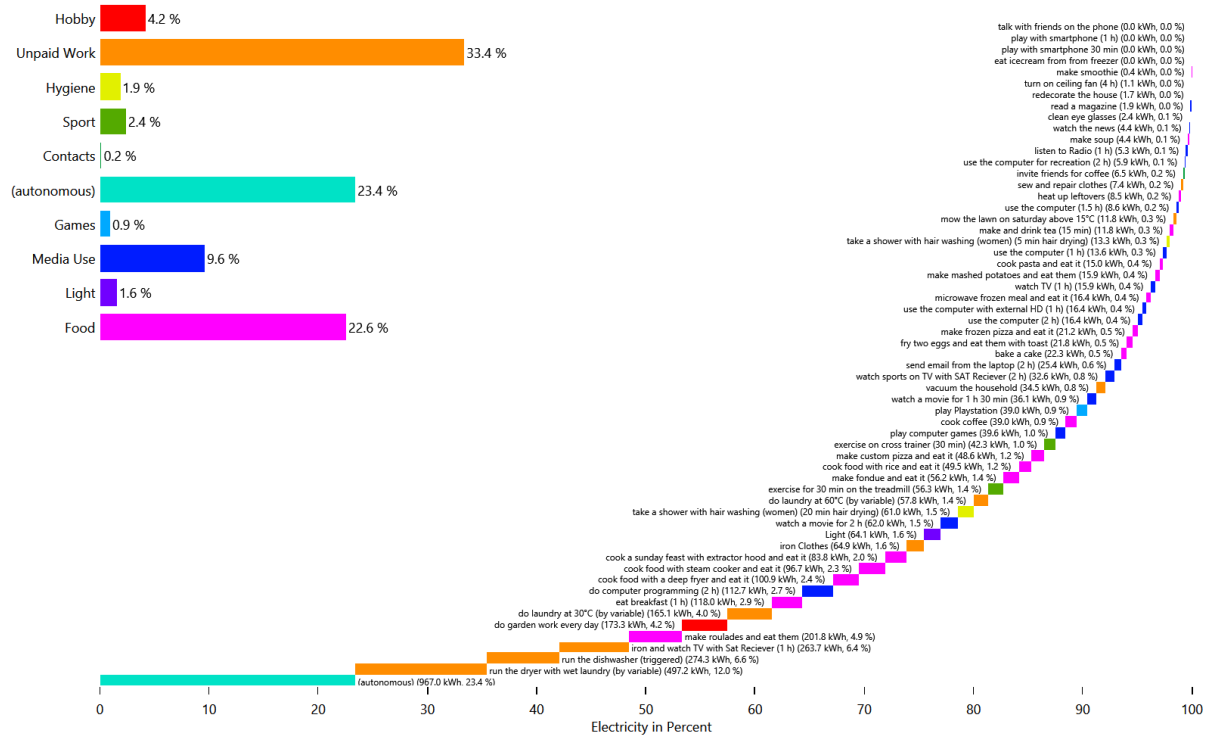
HH0 - Electricity



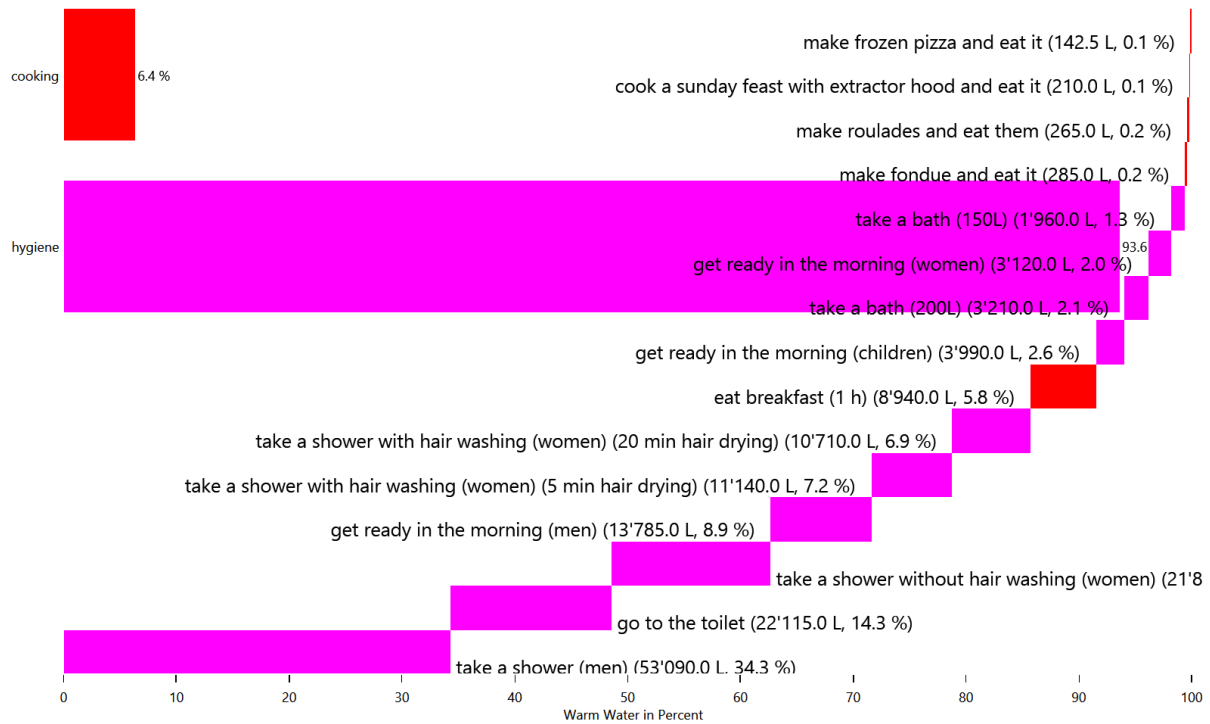
HH0 - Electricity



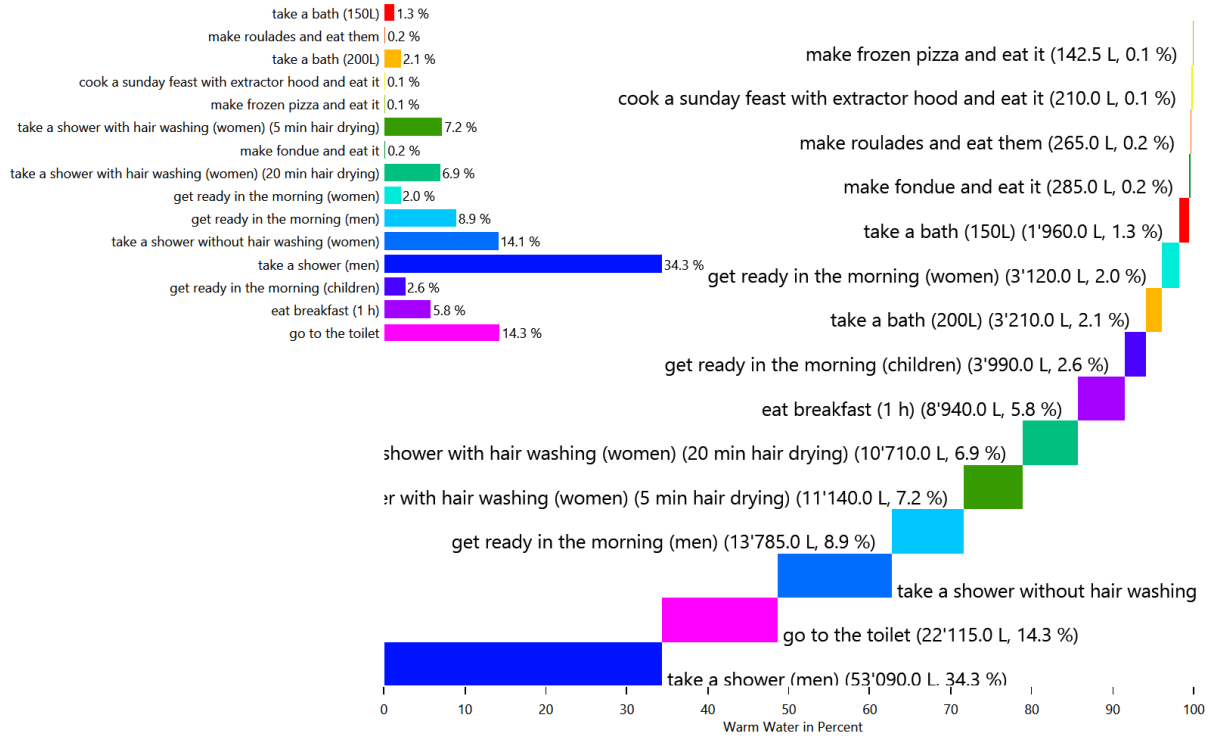
HH0 - Electricity



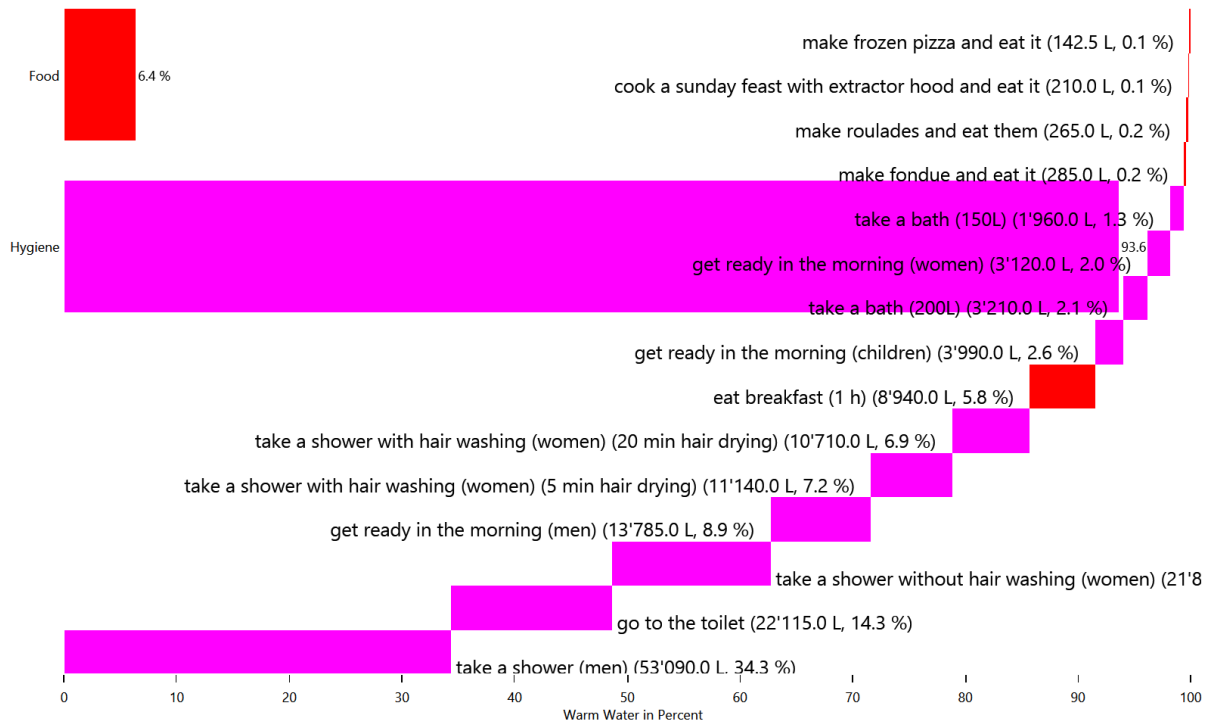
HH0 - Warm Water



HH0 - Warm Water



HH0 - Warm Water

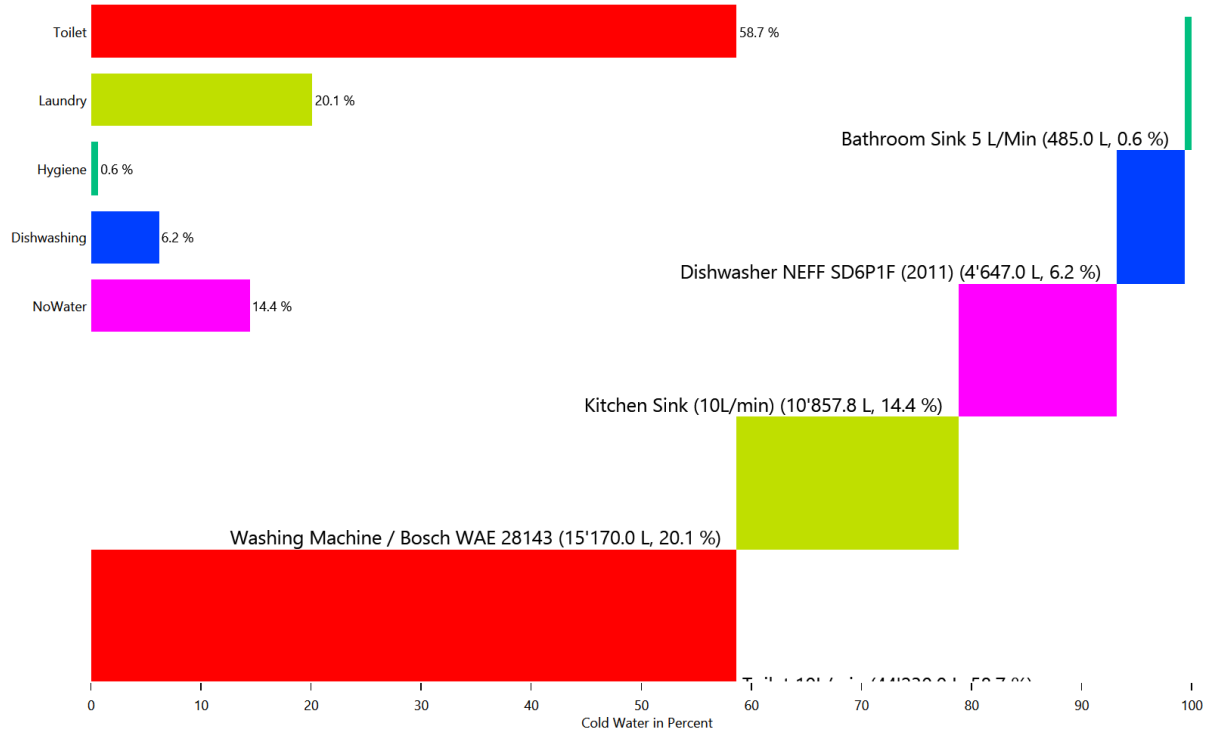


Energy use for each load type for each device

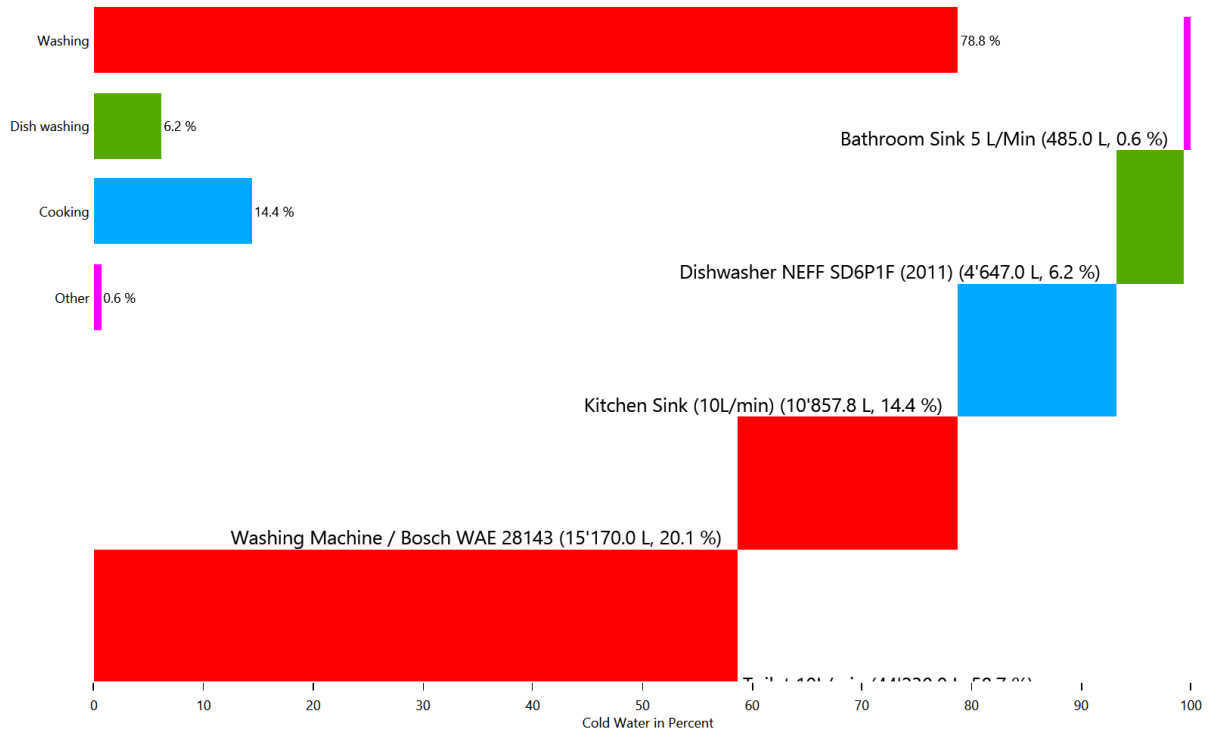
This is made from the files starting with: DeviceSums

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

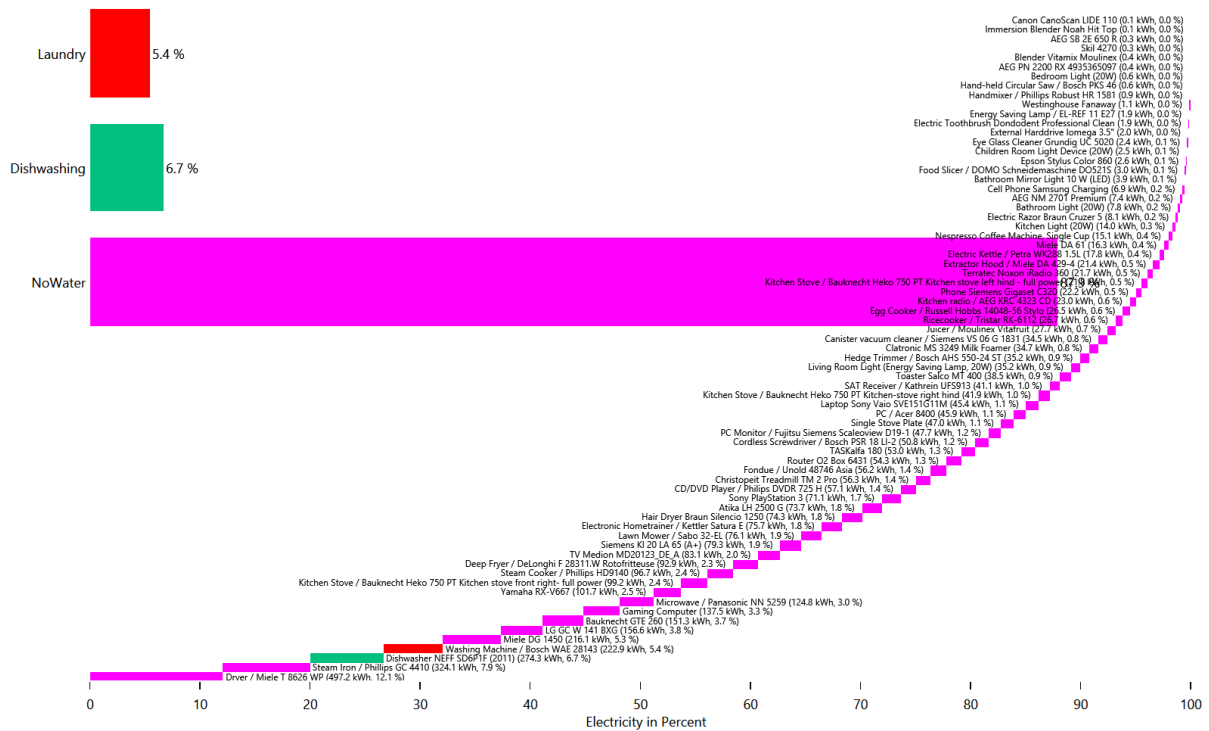
Cold Water



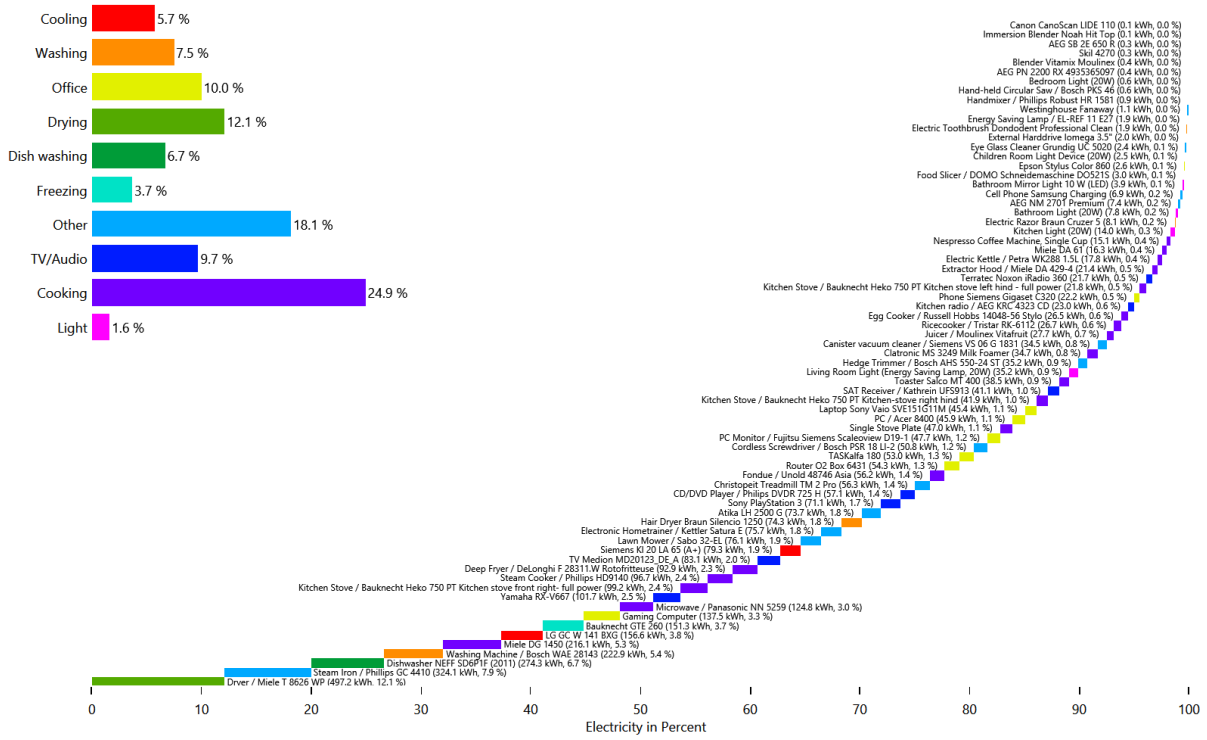
Cold Water



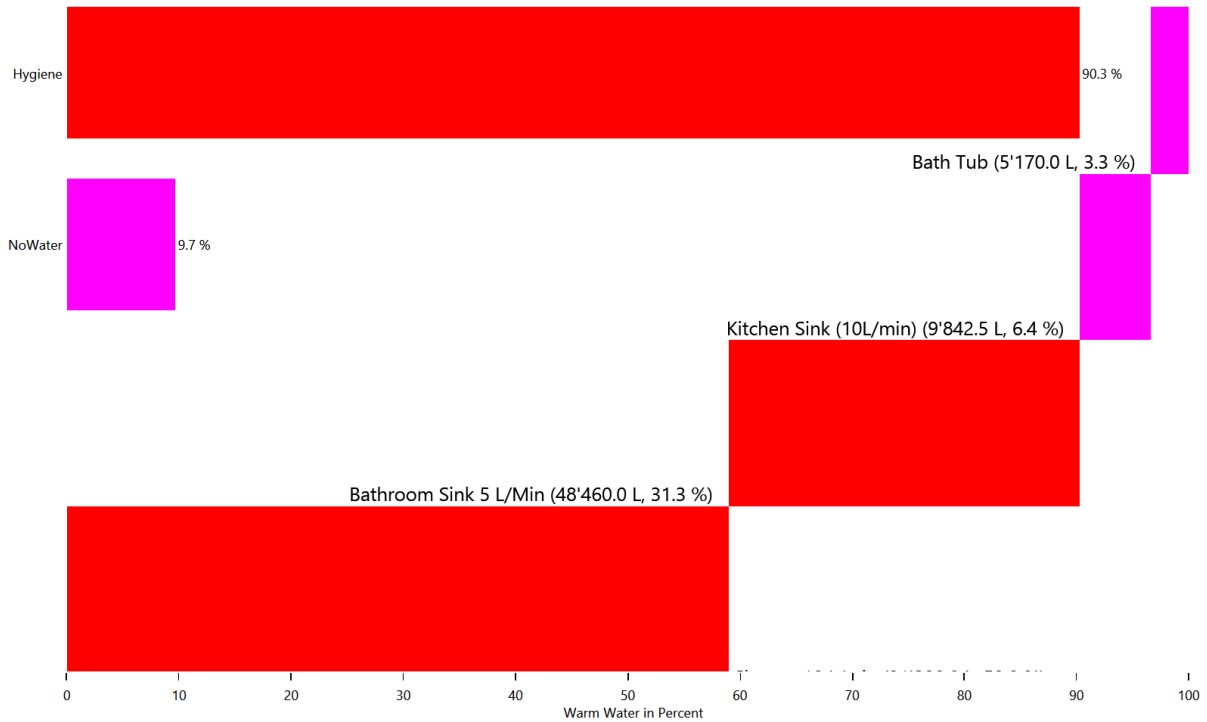
Electricity



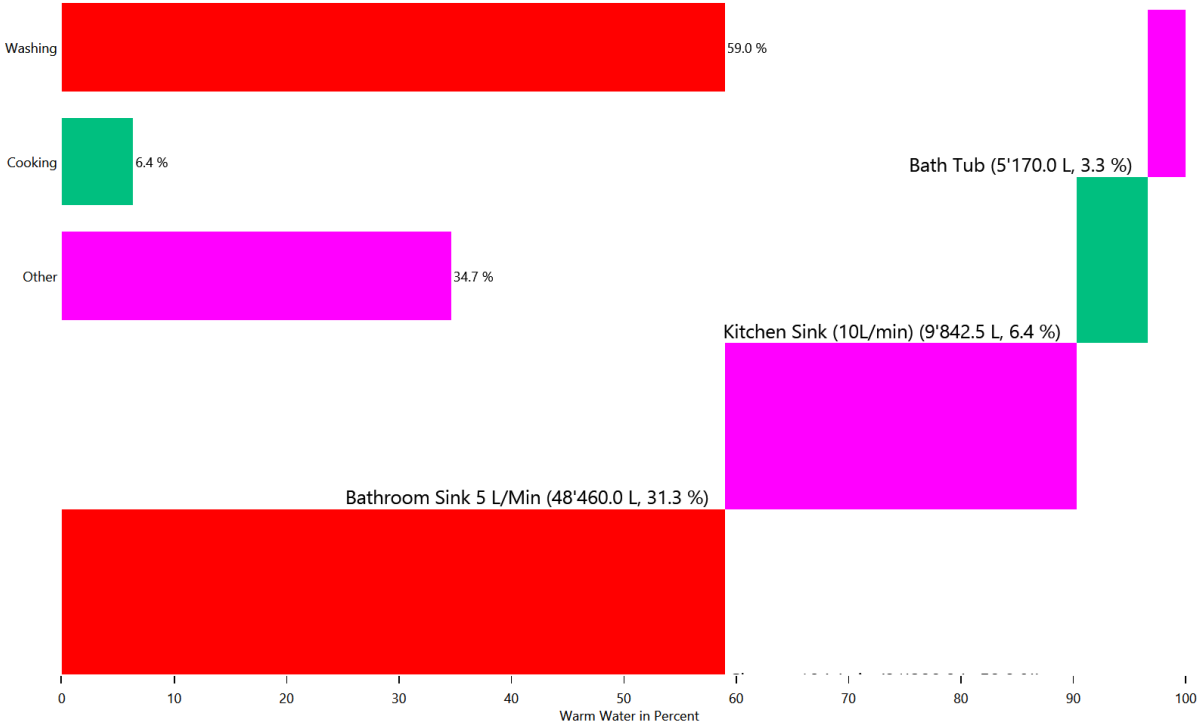
Electricity



Warm Water



Warm Water

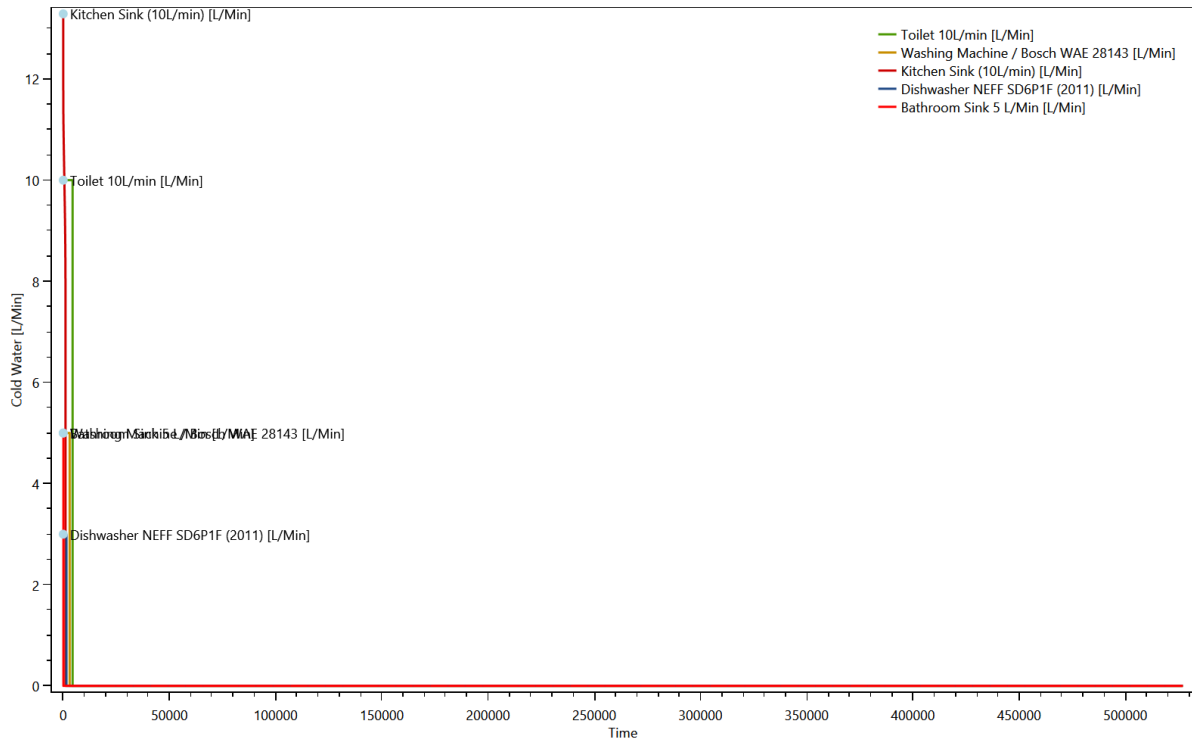


Duration curve for each device for each load type

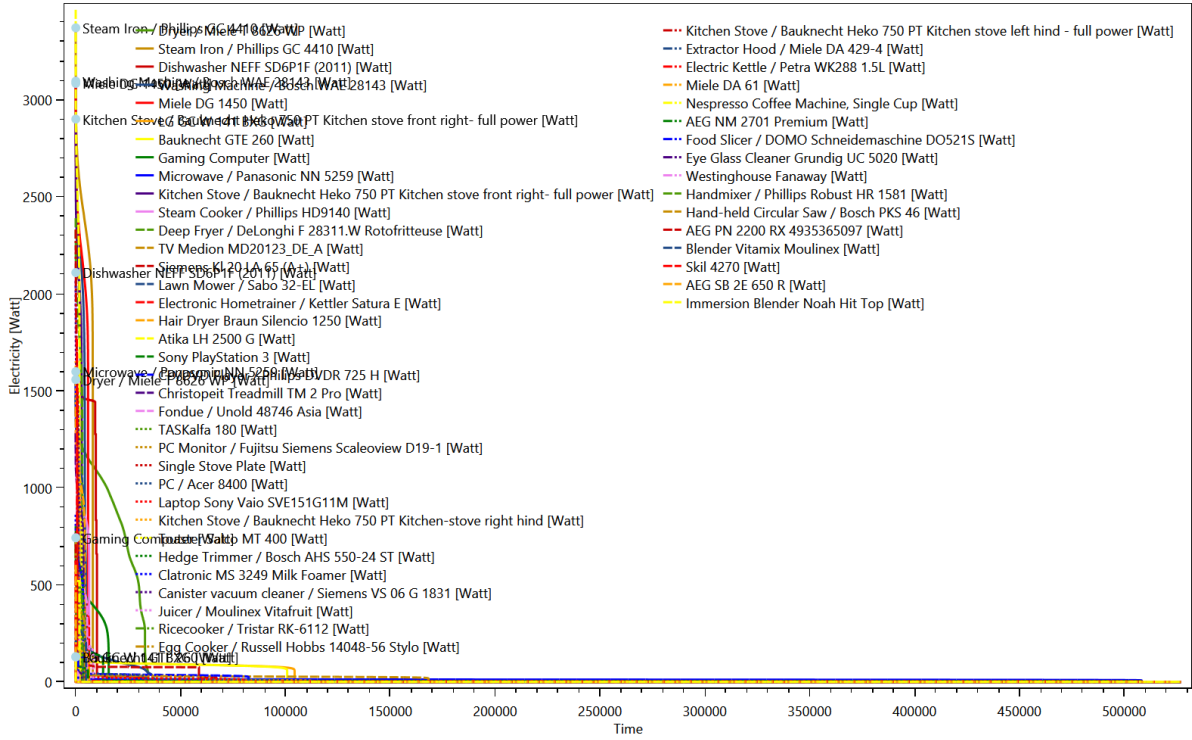
This is made from the files starting with: DeviceDurationCurves

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

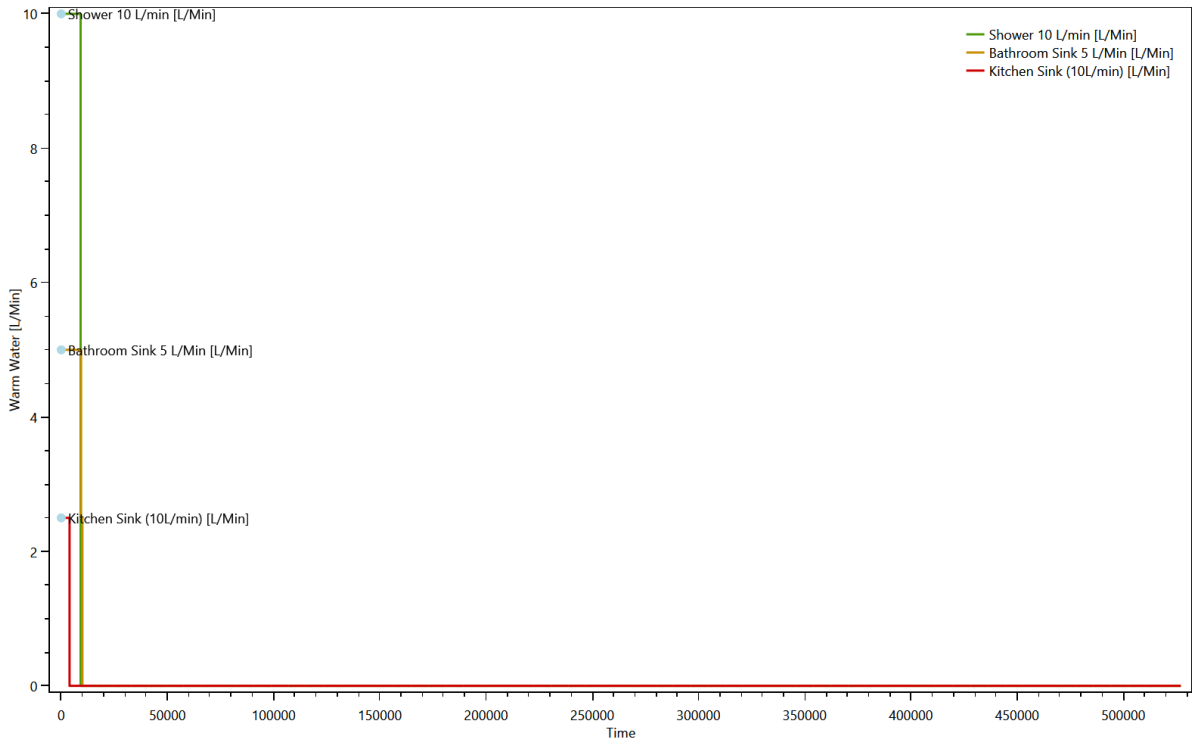
Cold Water



Electricity



Warm Water

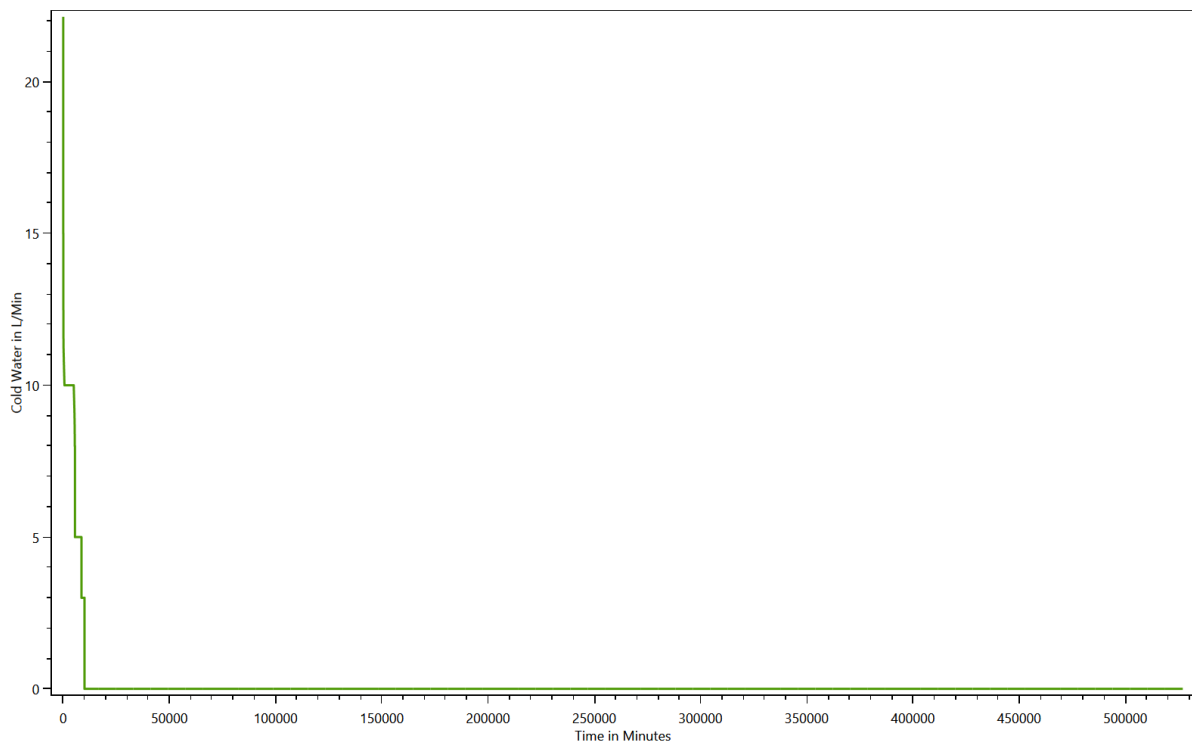


Duration curve for each load type

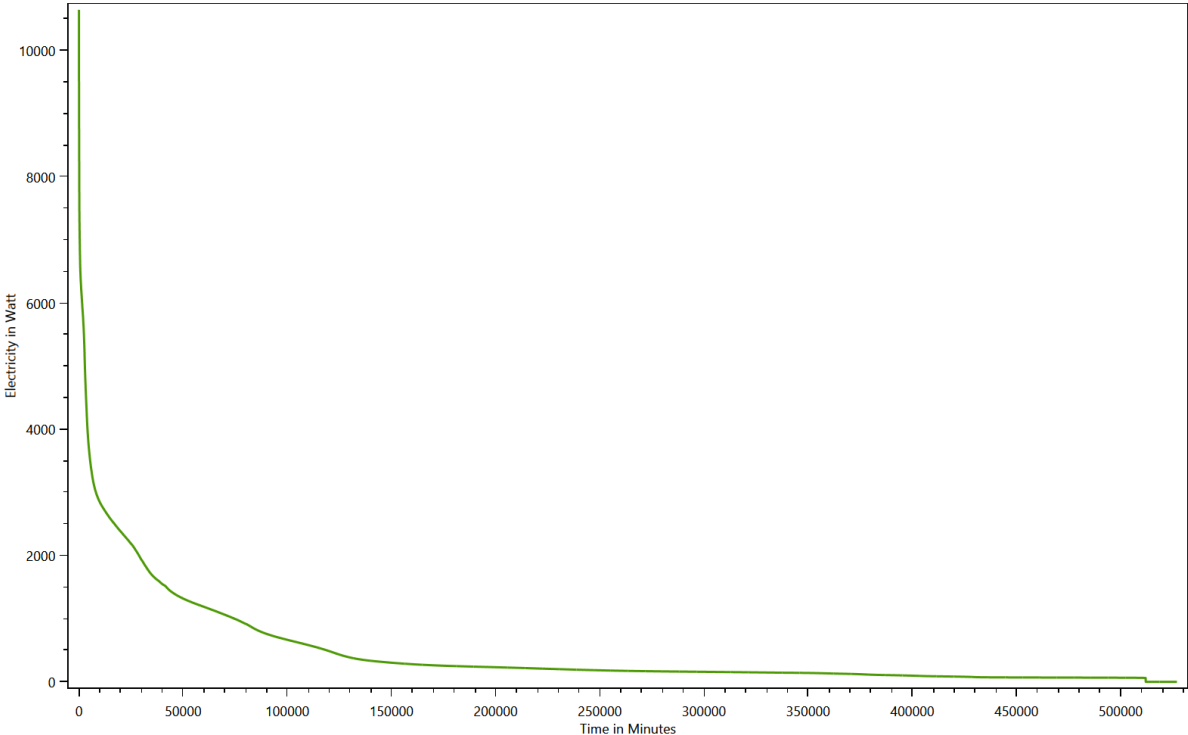
This is made from the files starting with: **DurationCurve**

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

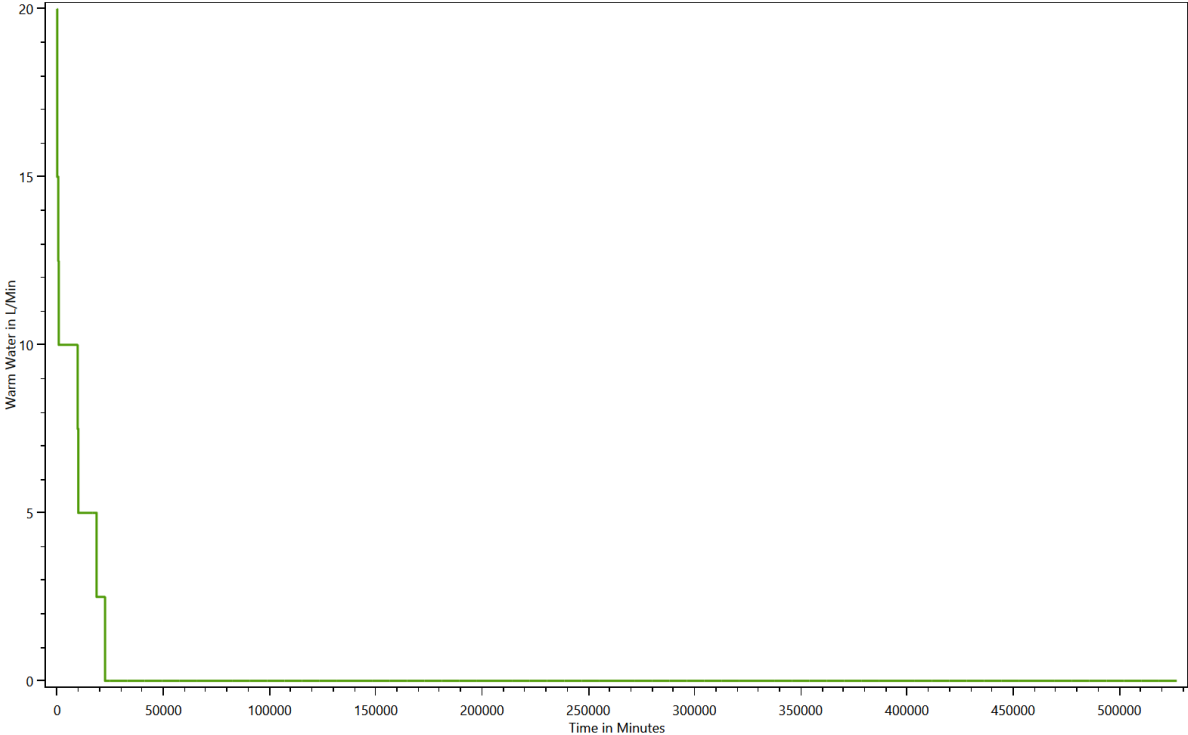
Cold Water



Electricity



Warm Water

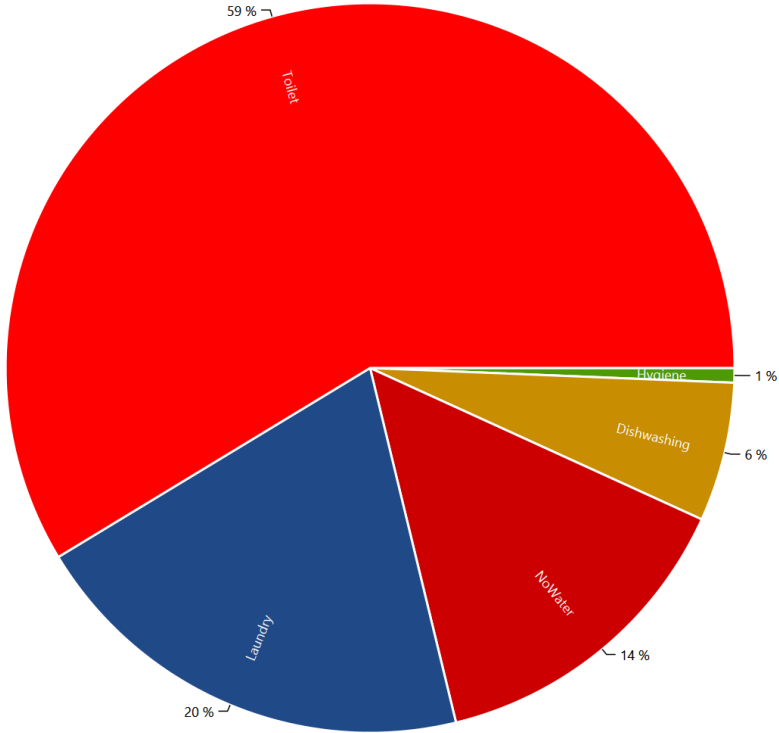


Grouped energy use for each load type for each device

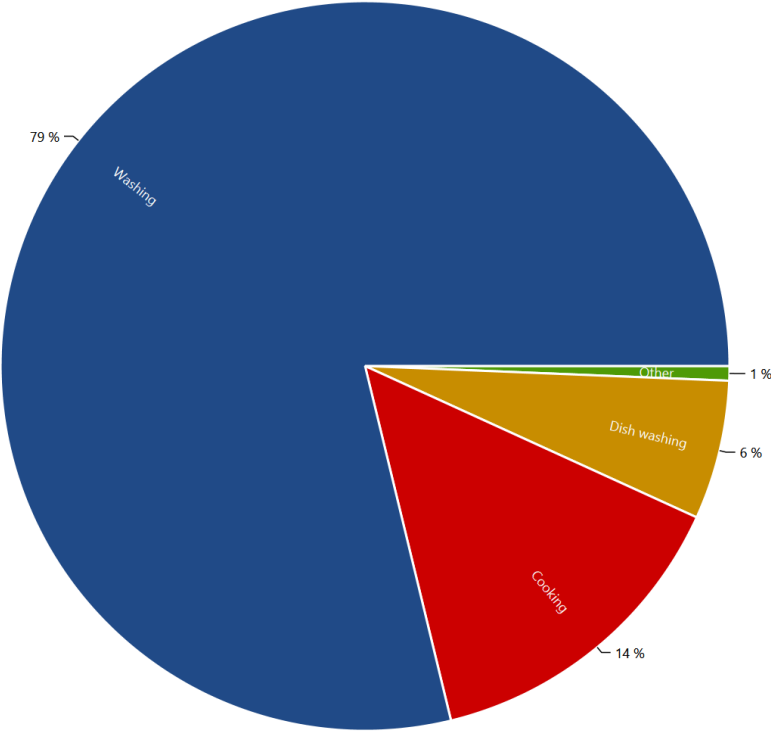
This is made from the files starting with: DeviceTaggingSet

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

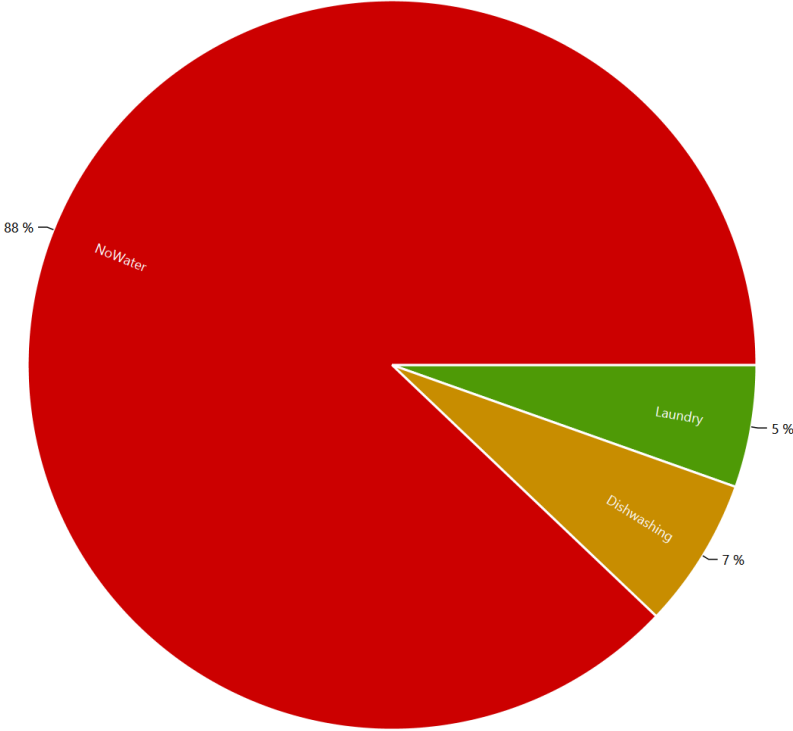
HH0 - Destatis Water Usage Statistics - Cold Water



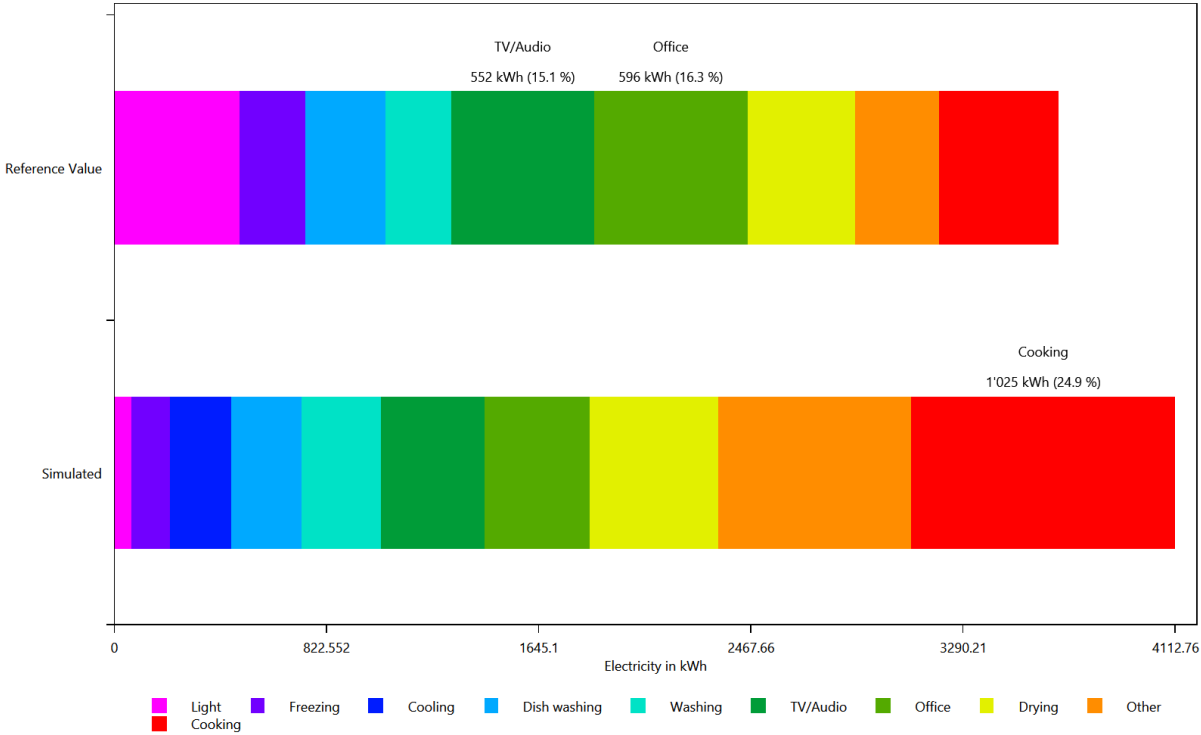
HH0 - Energieagentur - Cold Water



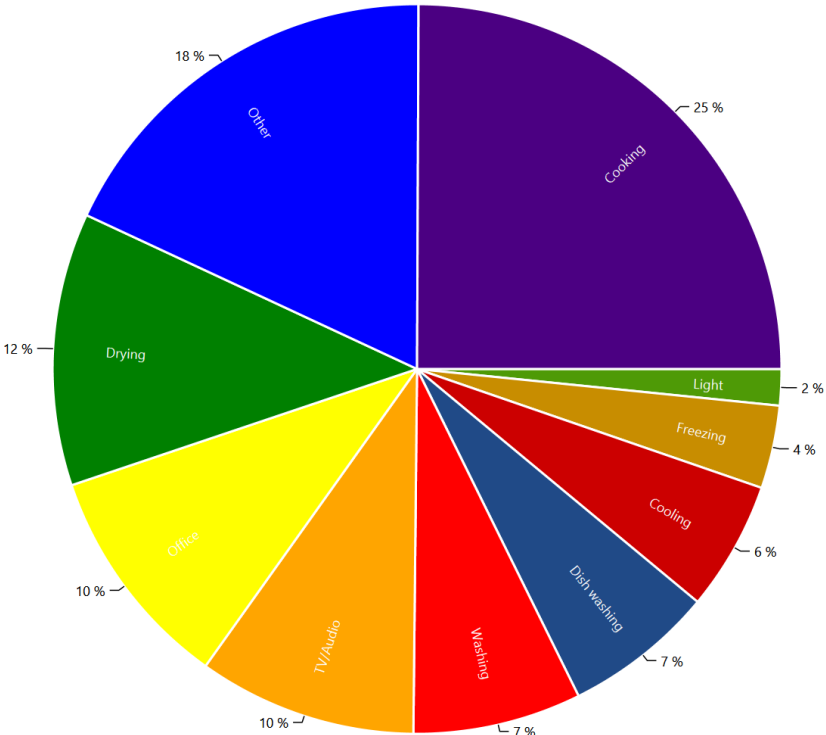
HH0 - Destatis Water Usage Statistics - Electricity



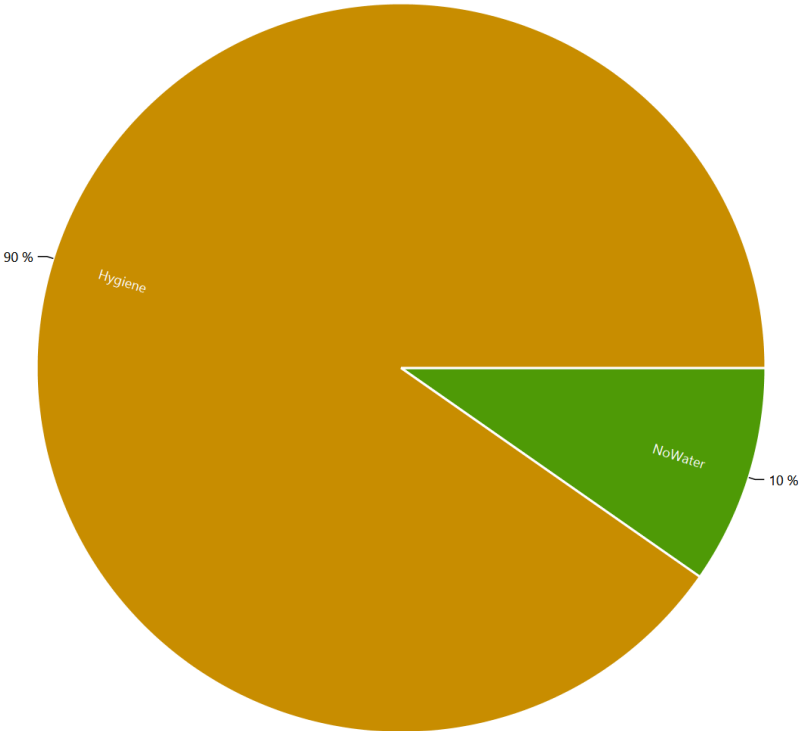
HH0 - Energieagentur - Electricity



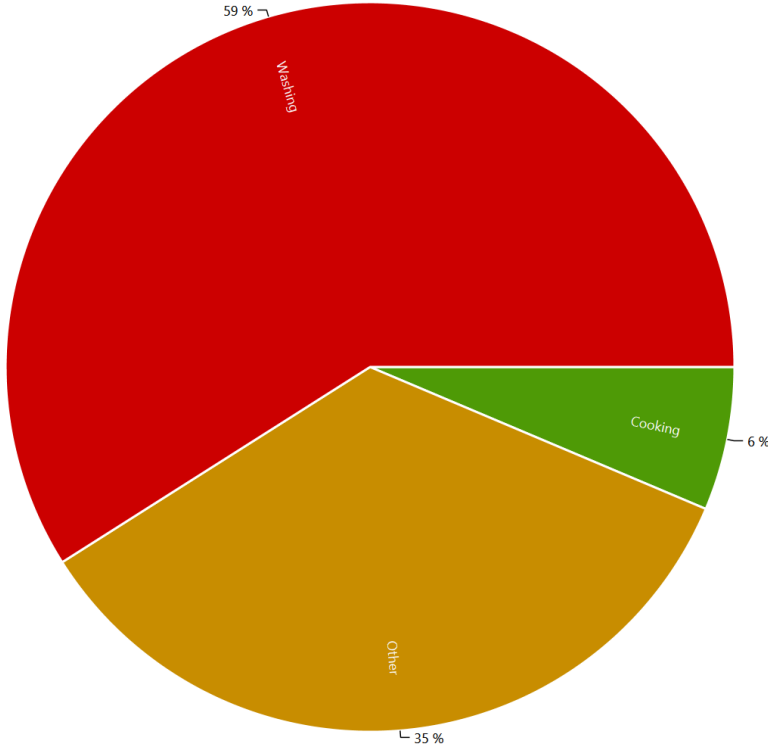
HH0 - Energieagentur - Electricity



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

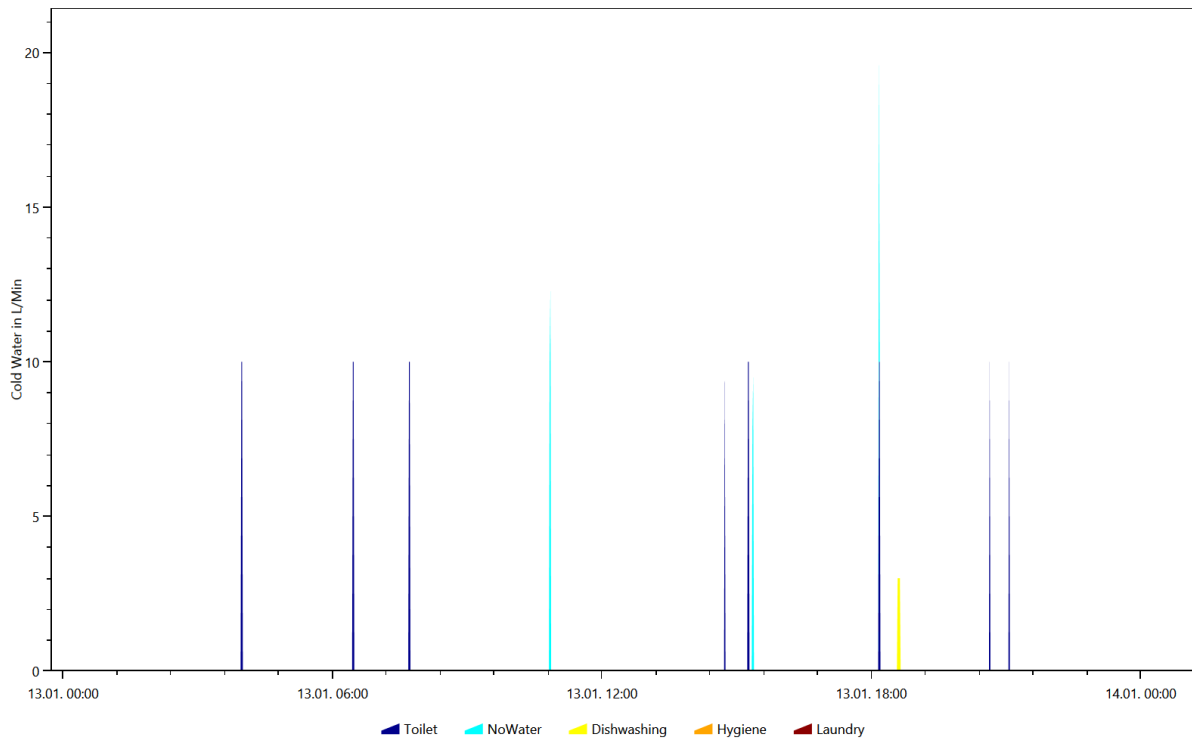


Example of the device profiles for each load type

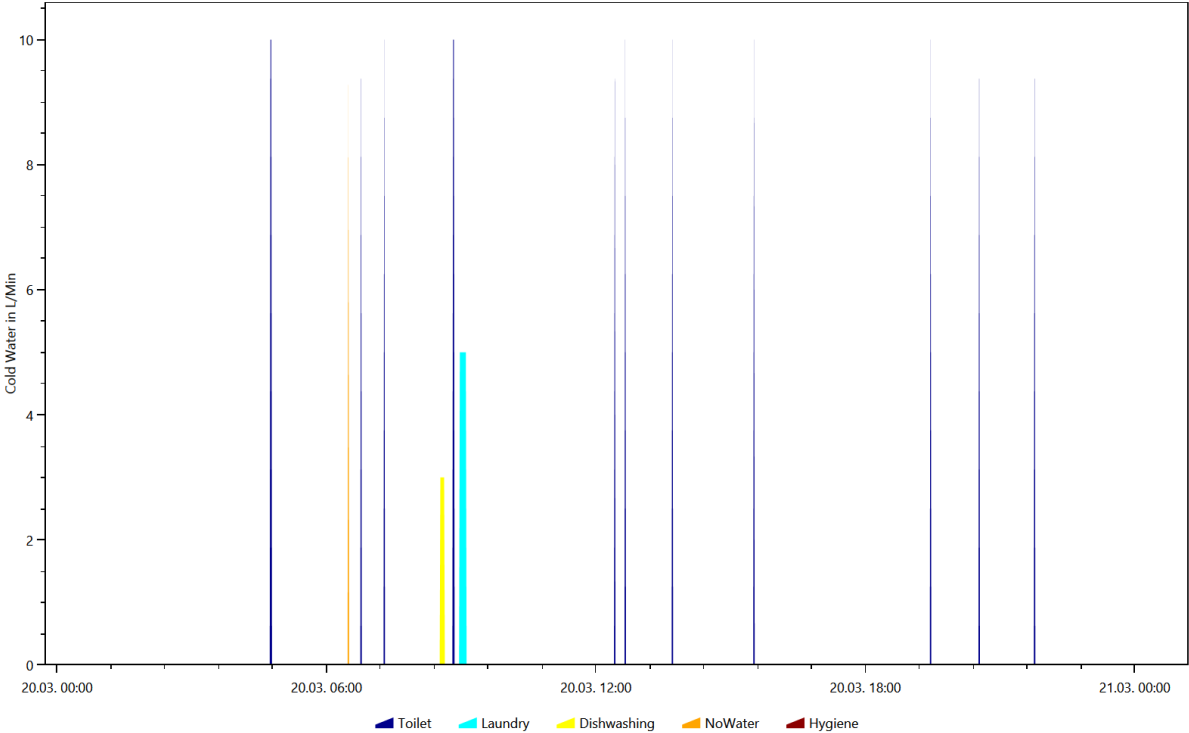
This is made from the files starting with: DeviceProfiles

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

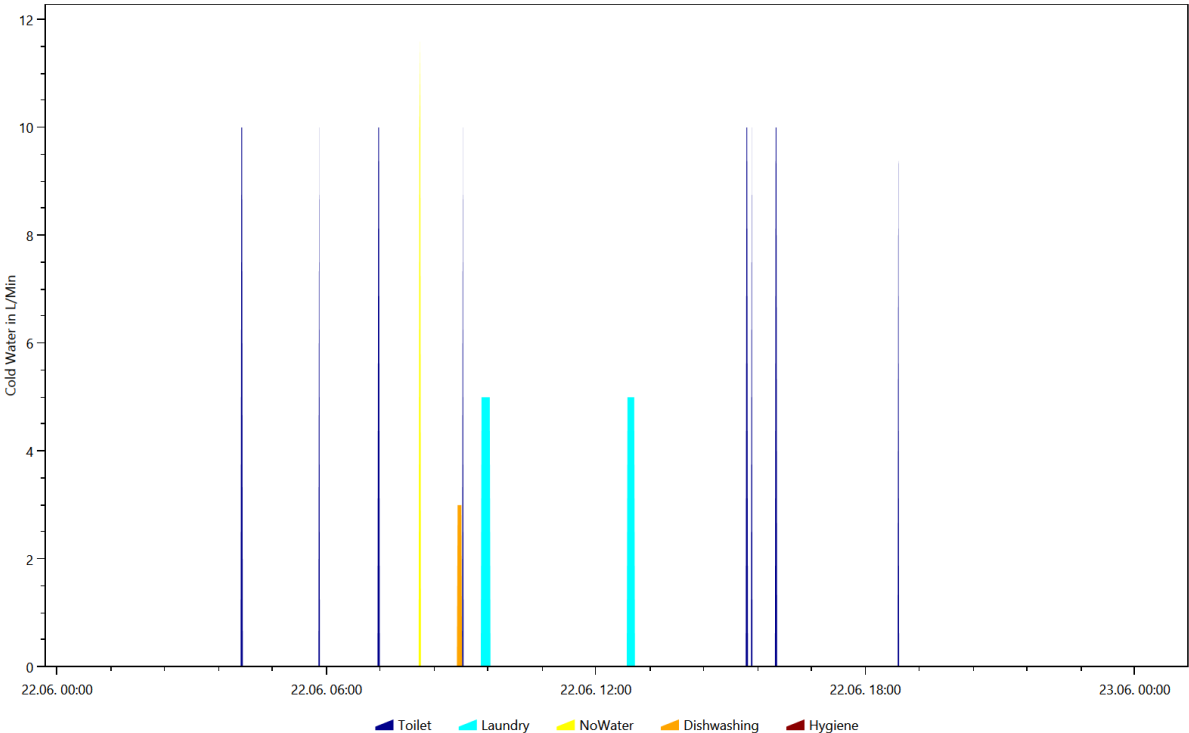
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.13



Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.20



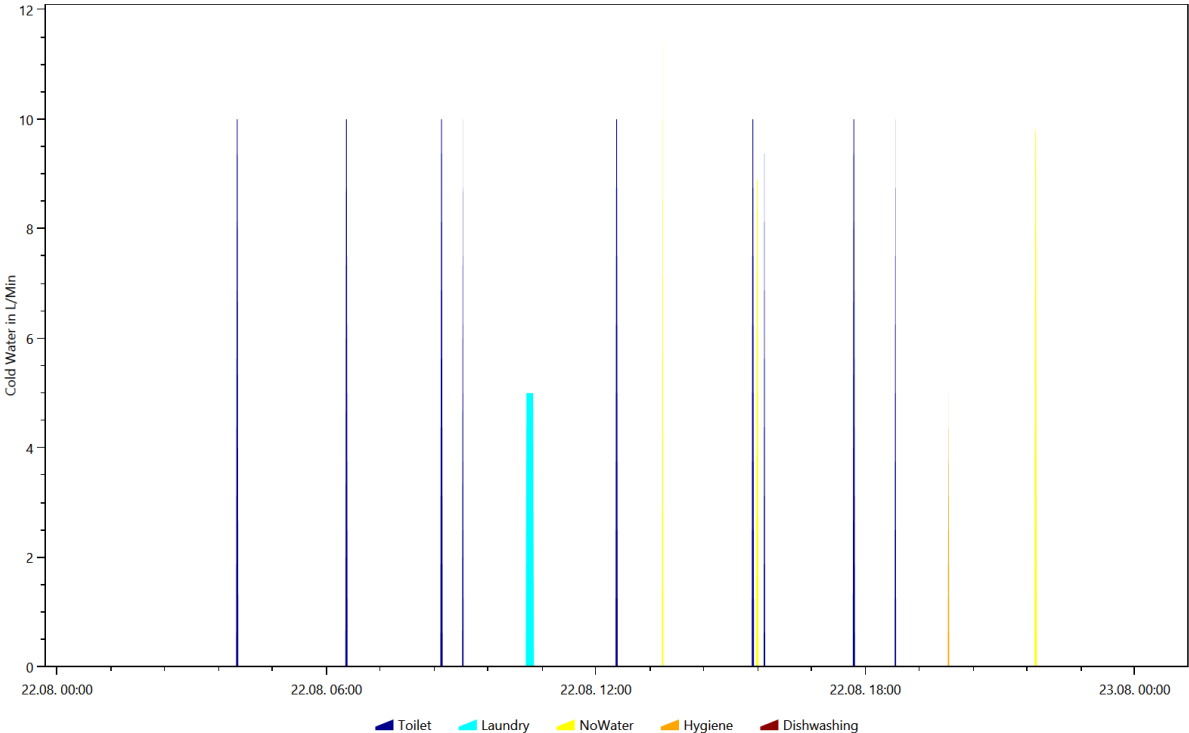
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.22



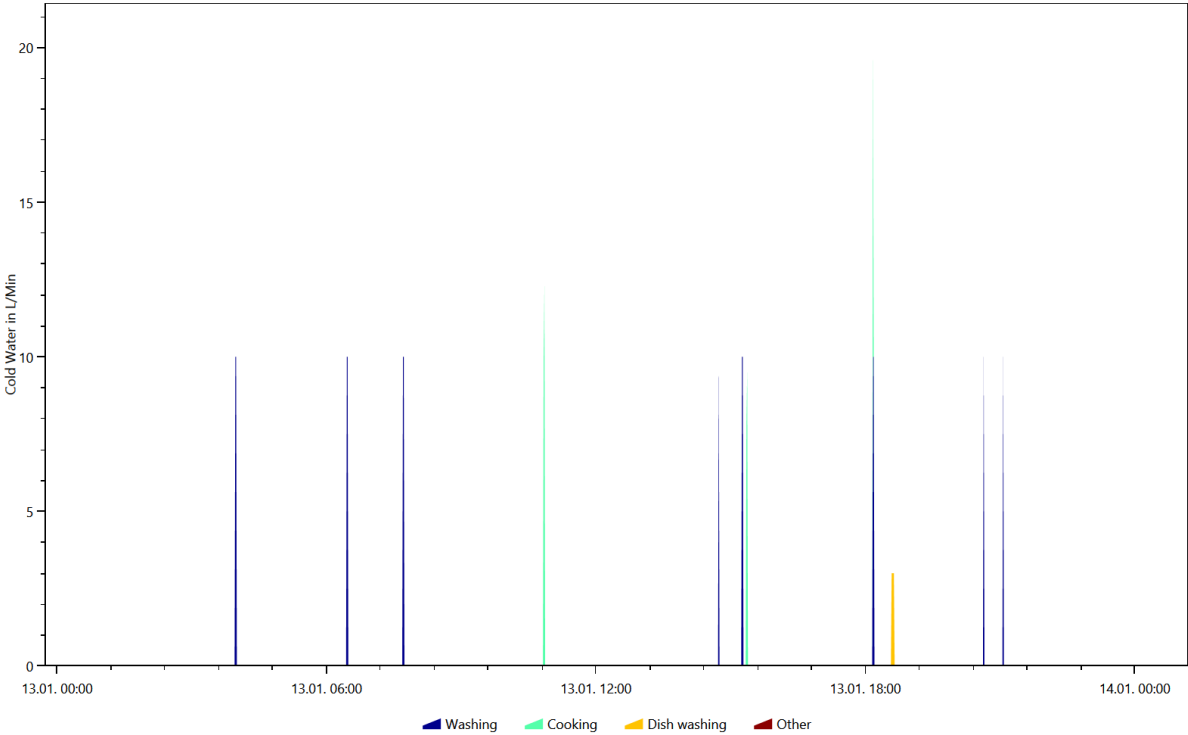
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.16



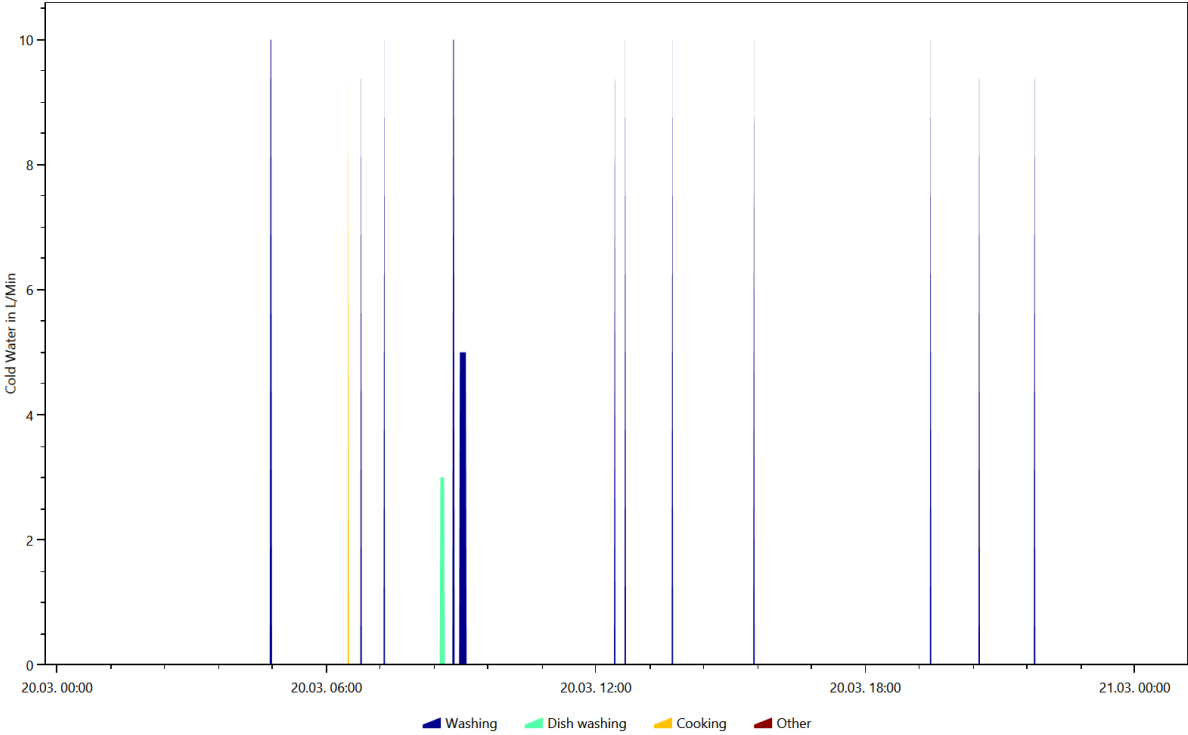
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.22



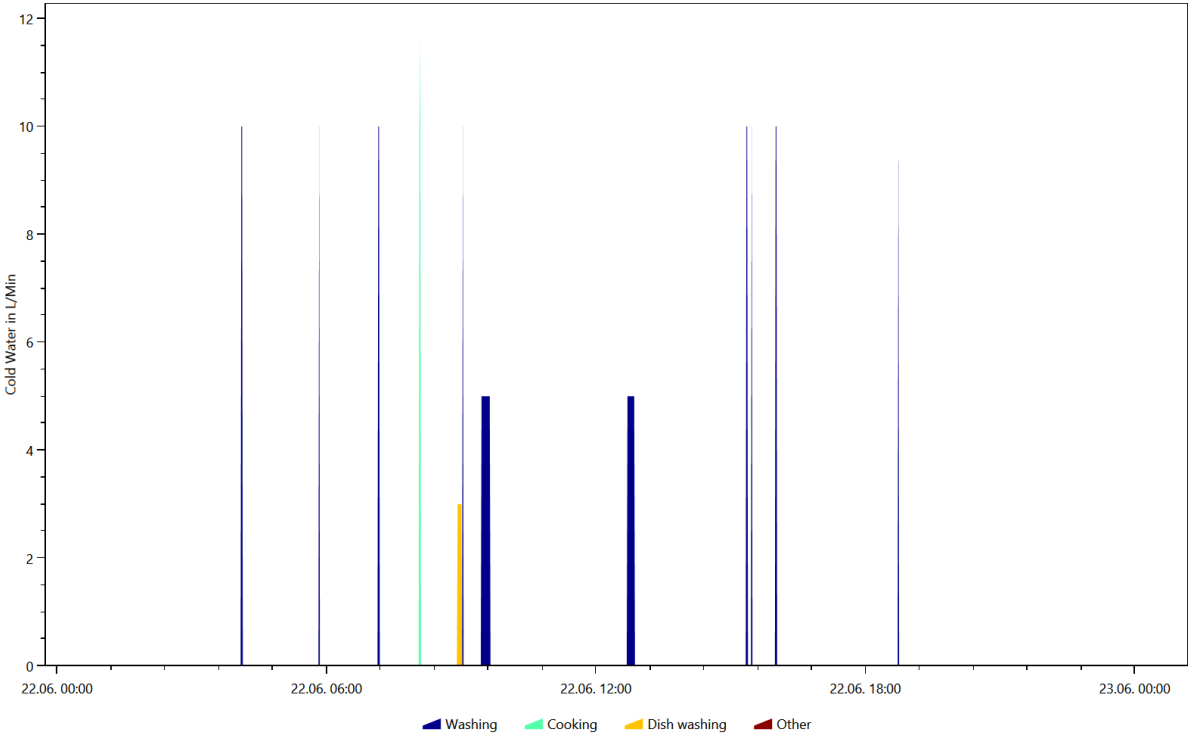
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.13



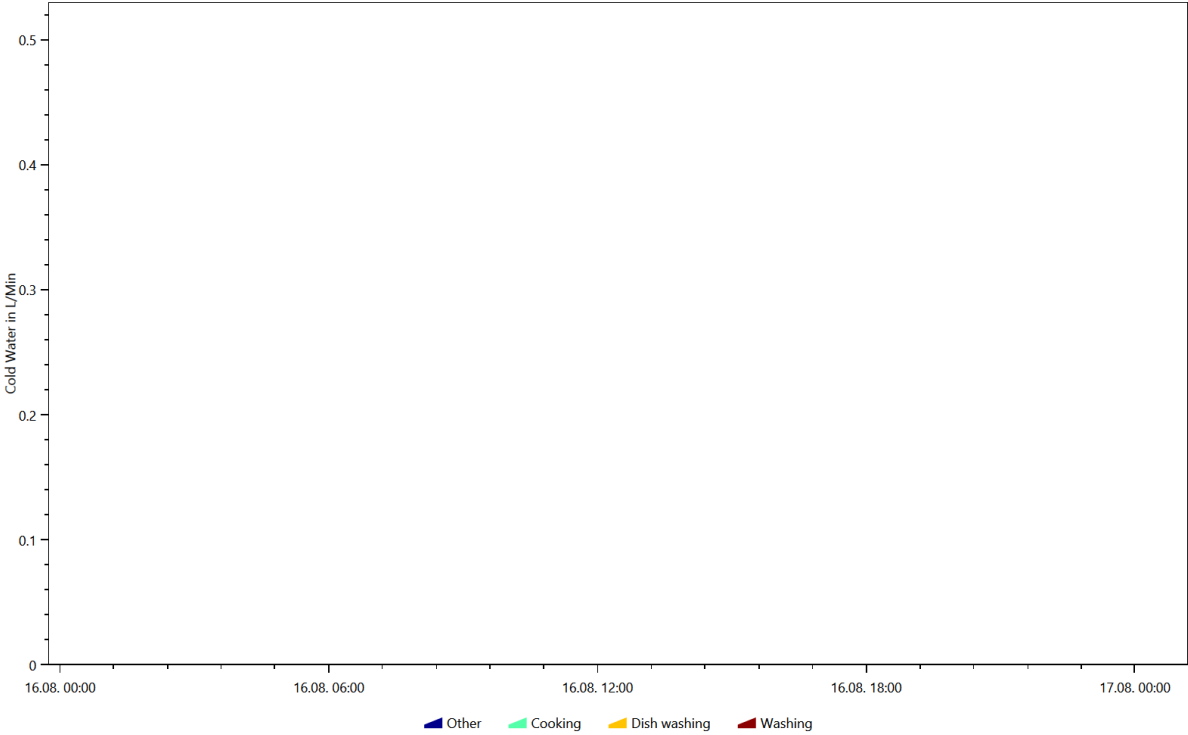
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.20



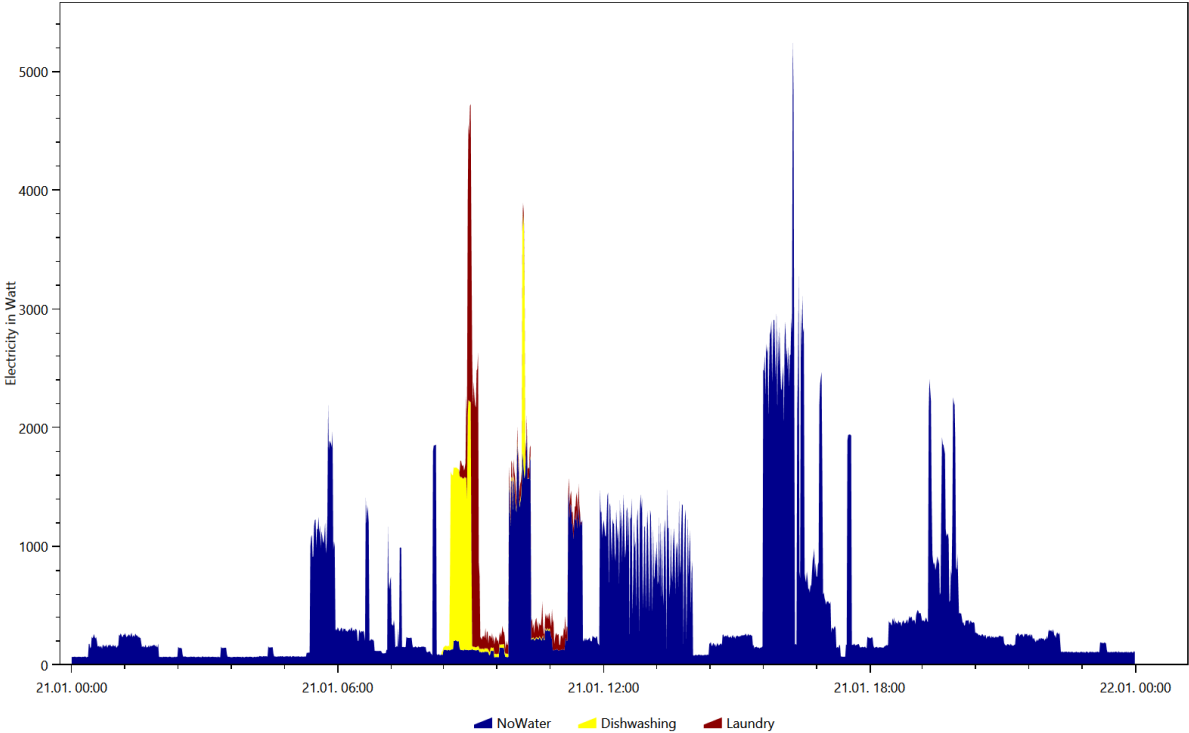
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.22



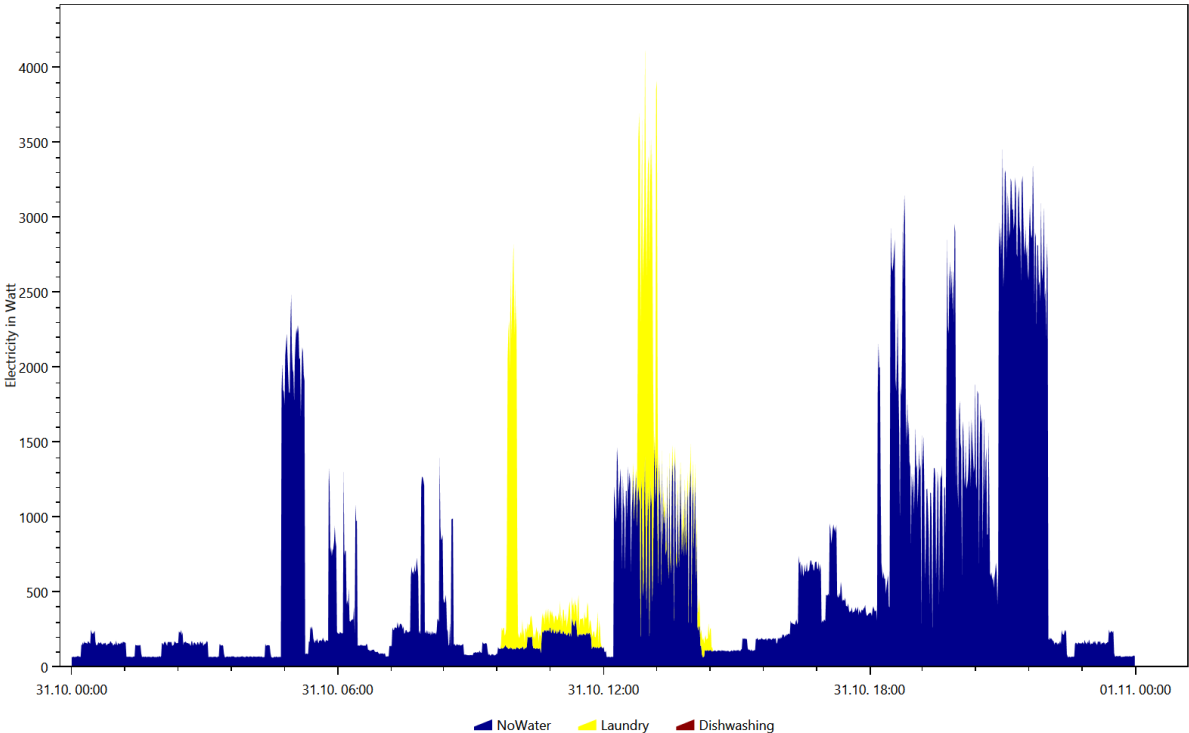
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.8.16



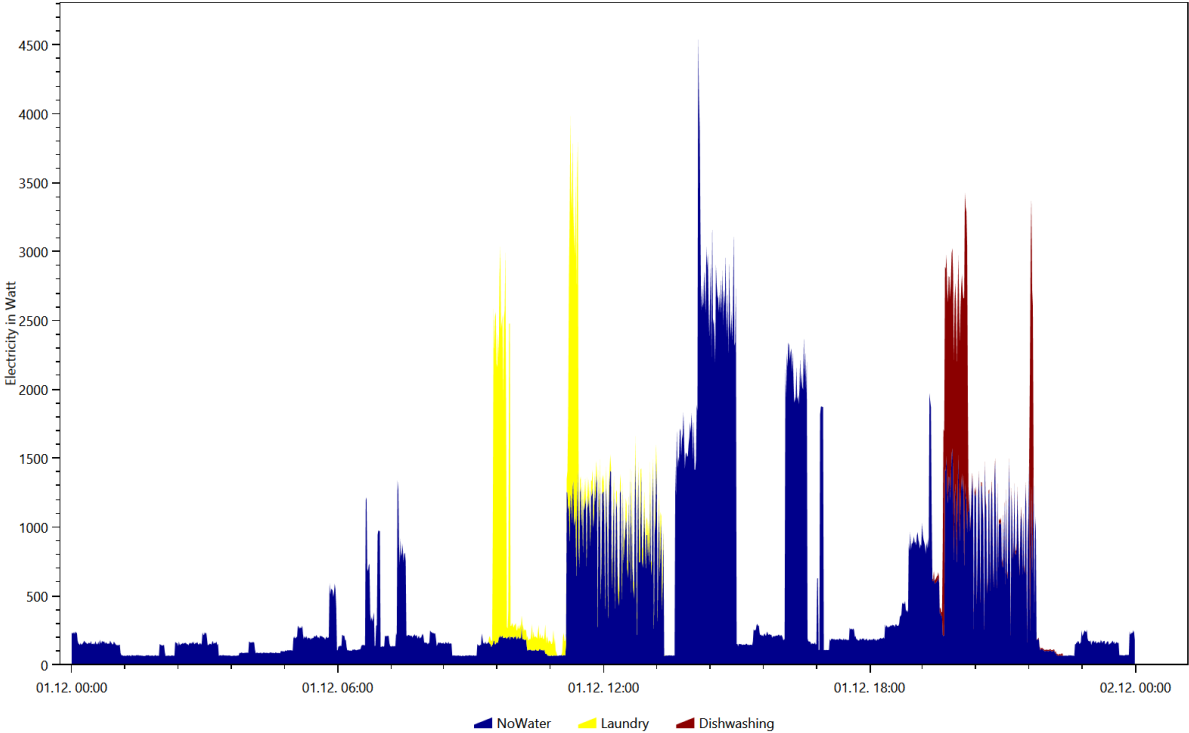
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.21



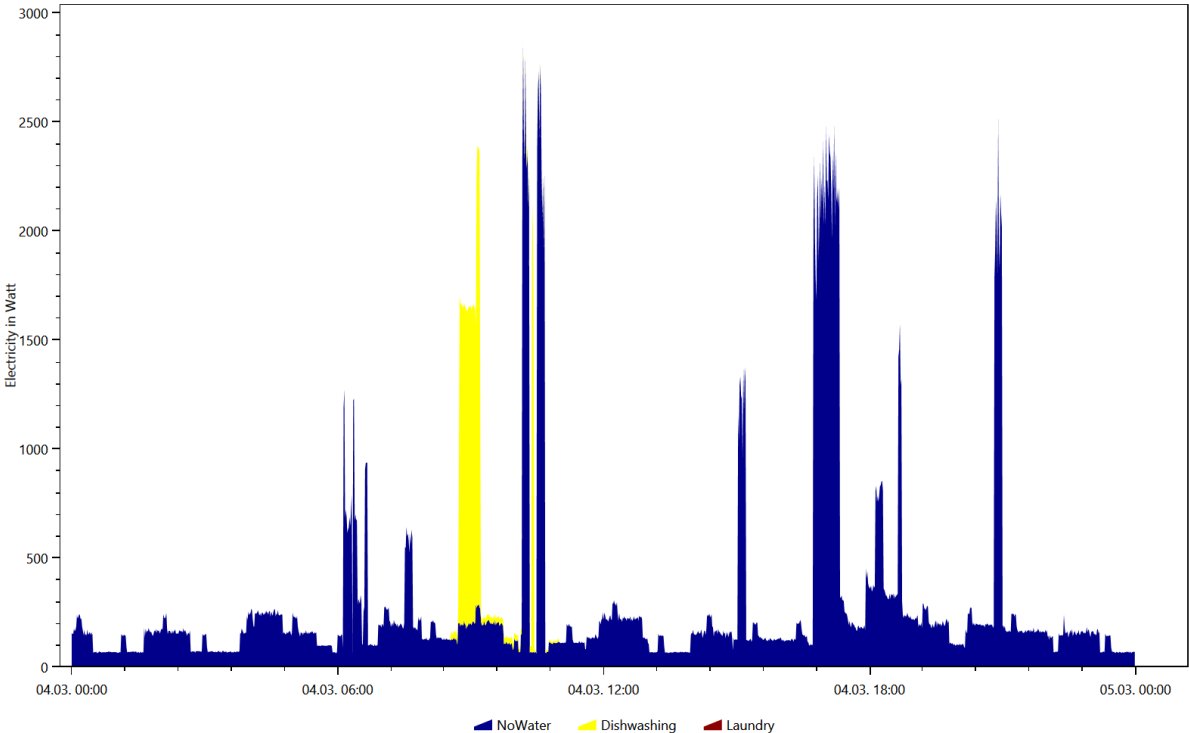
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.31



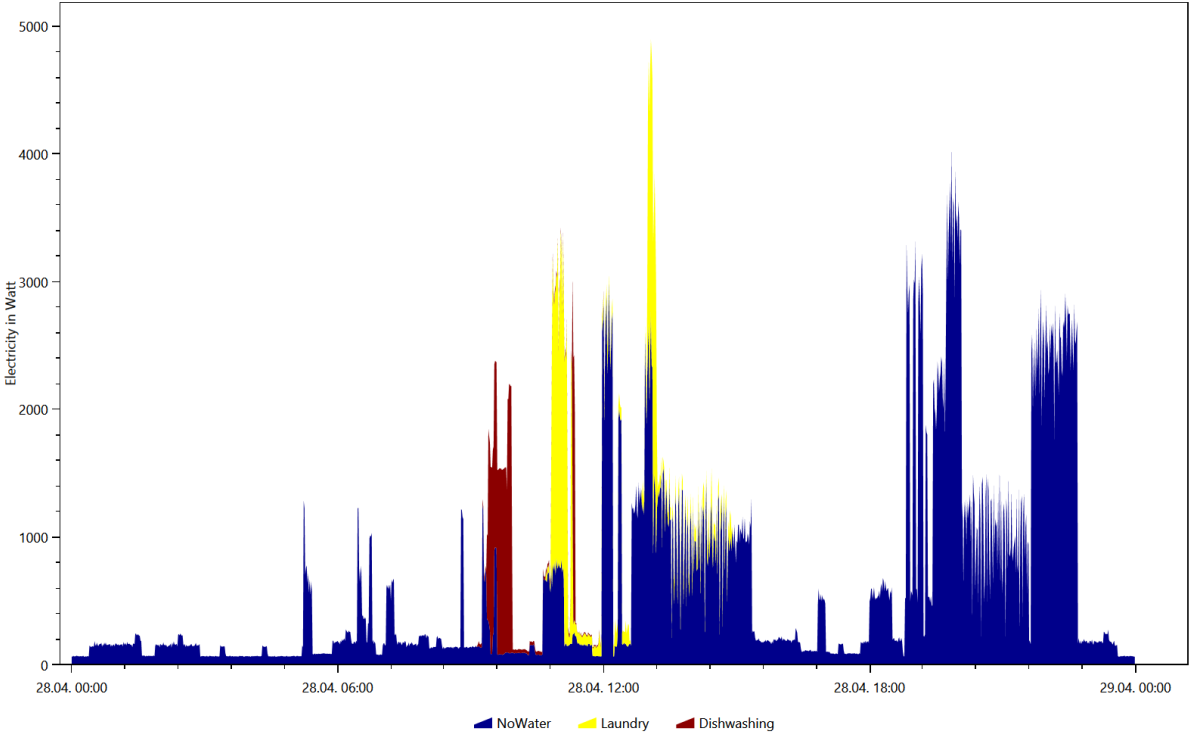
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.12.1



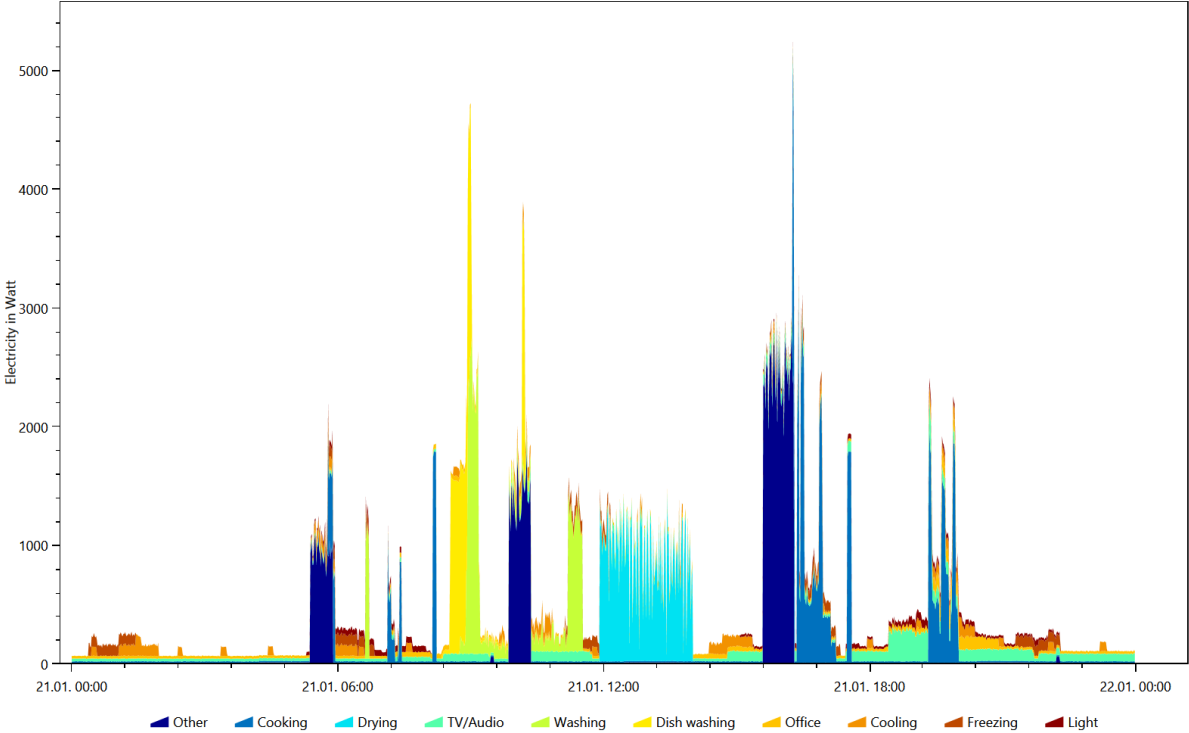
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.4



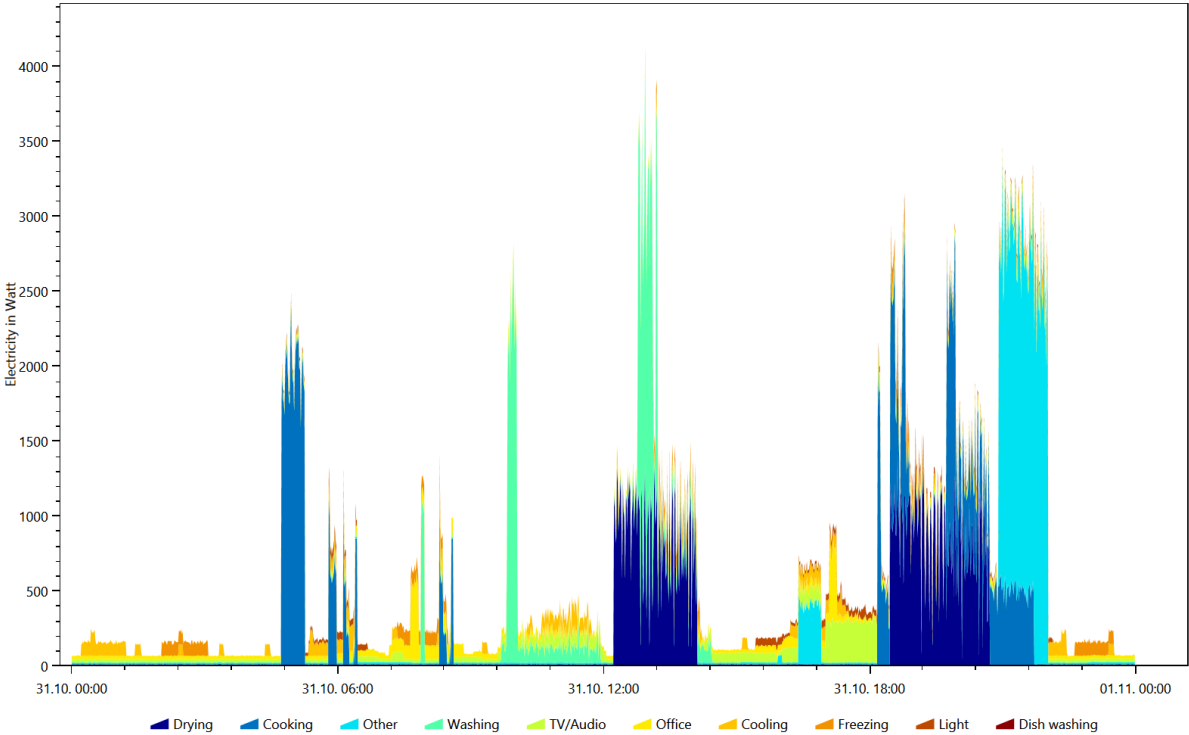
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.28



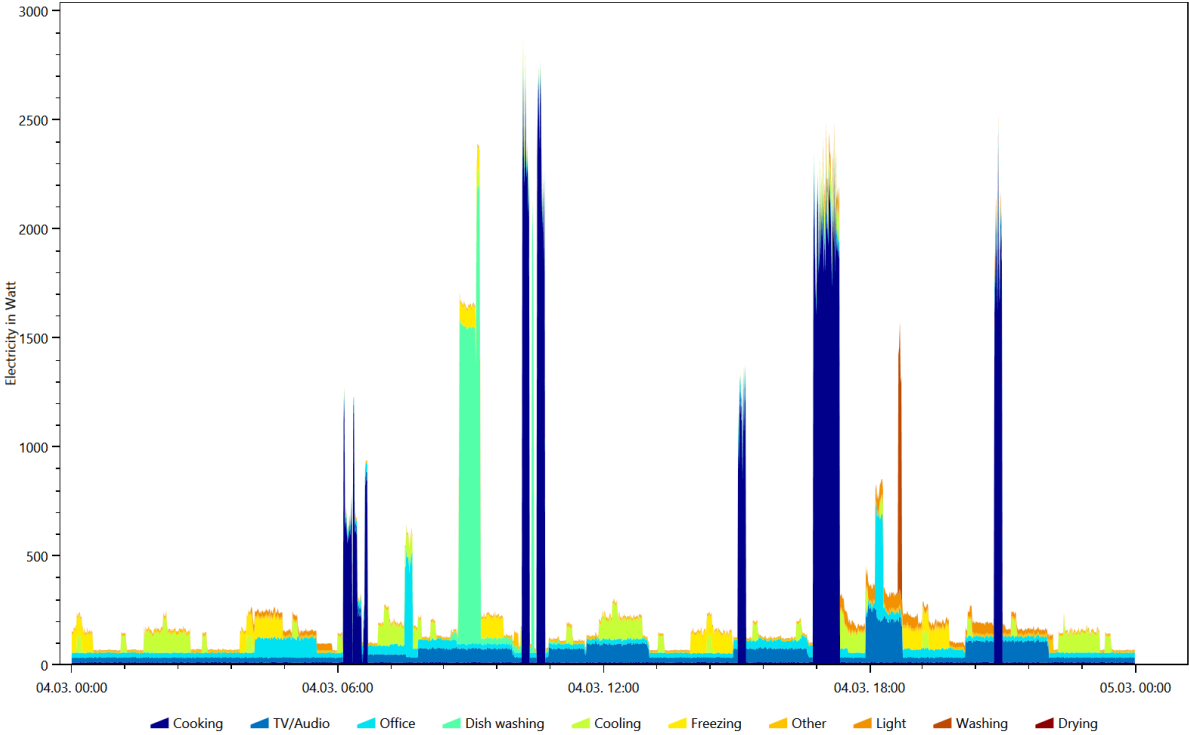
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.21



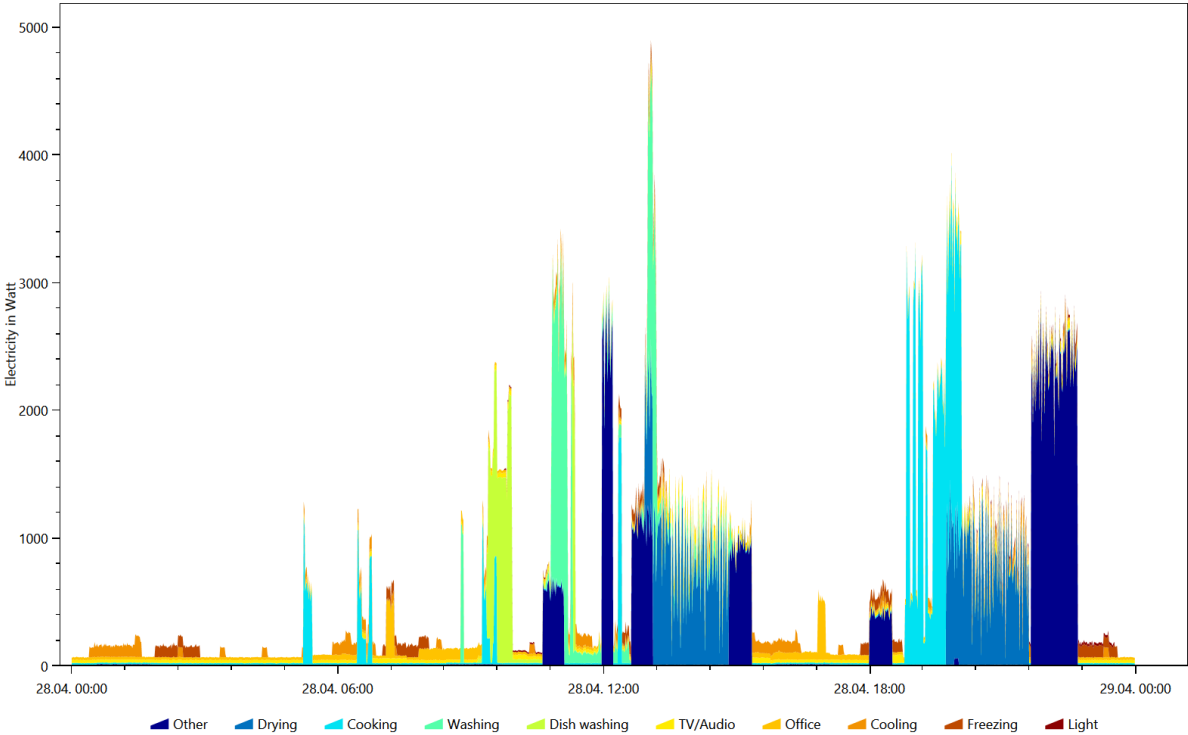
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.10.31



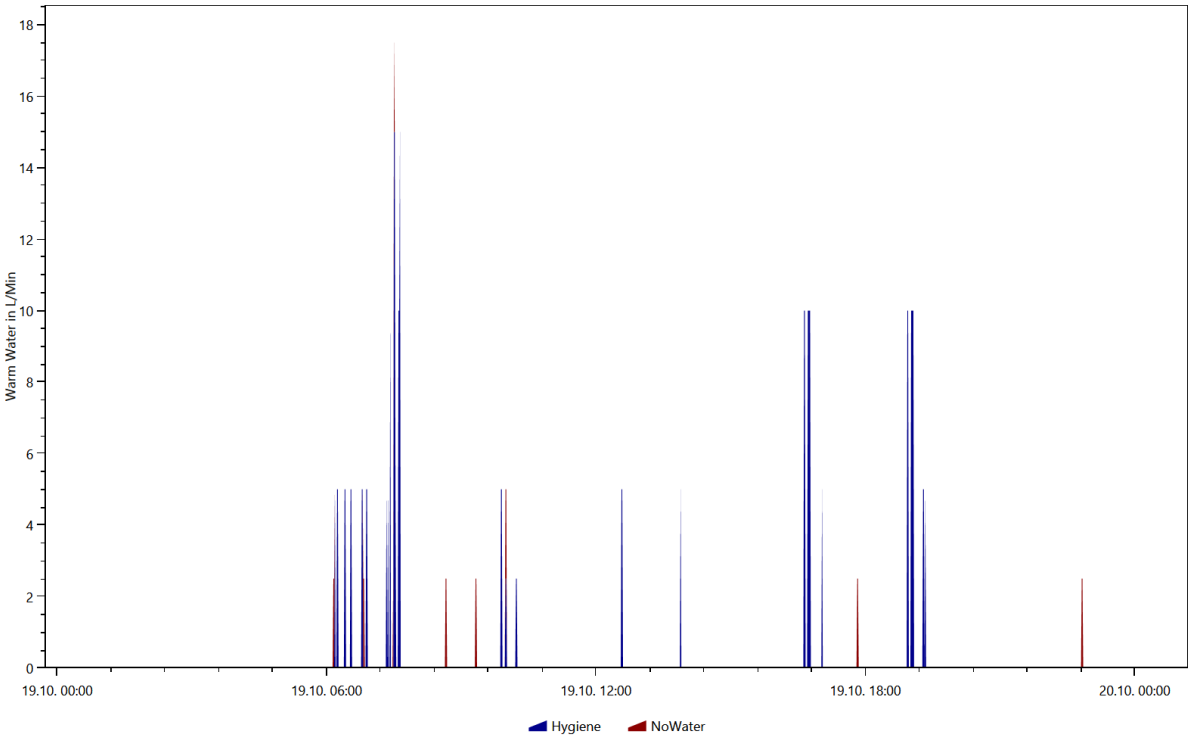
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.4



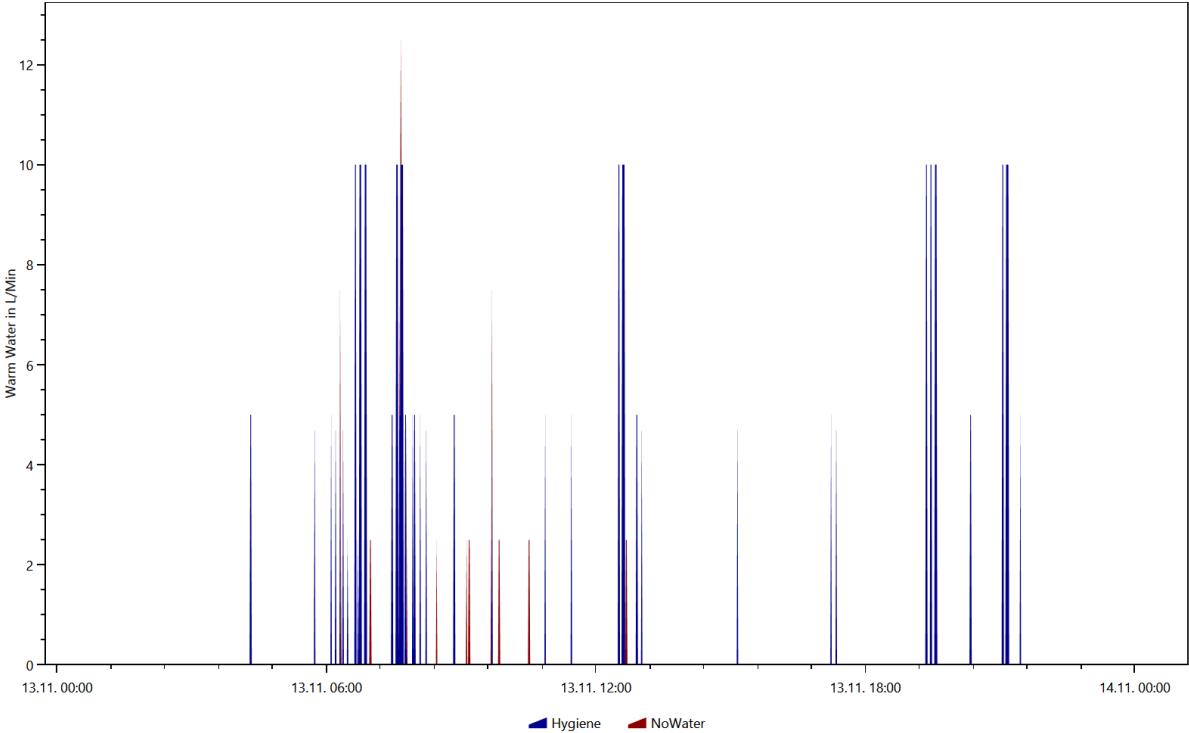
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.28



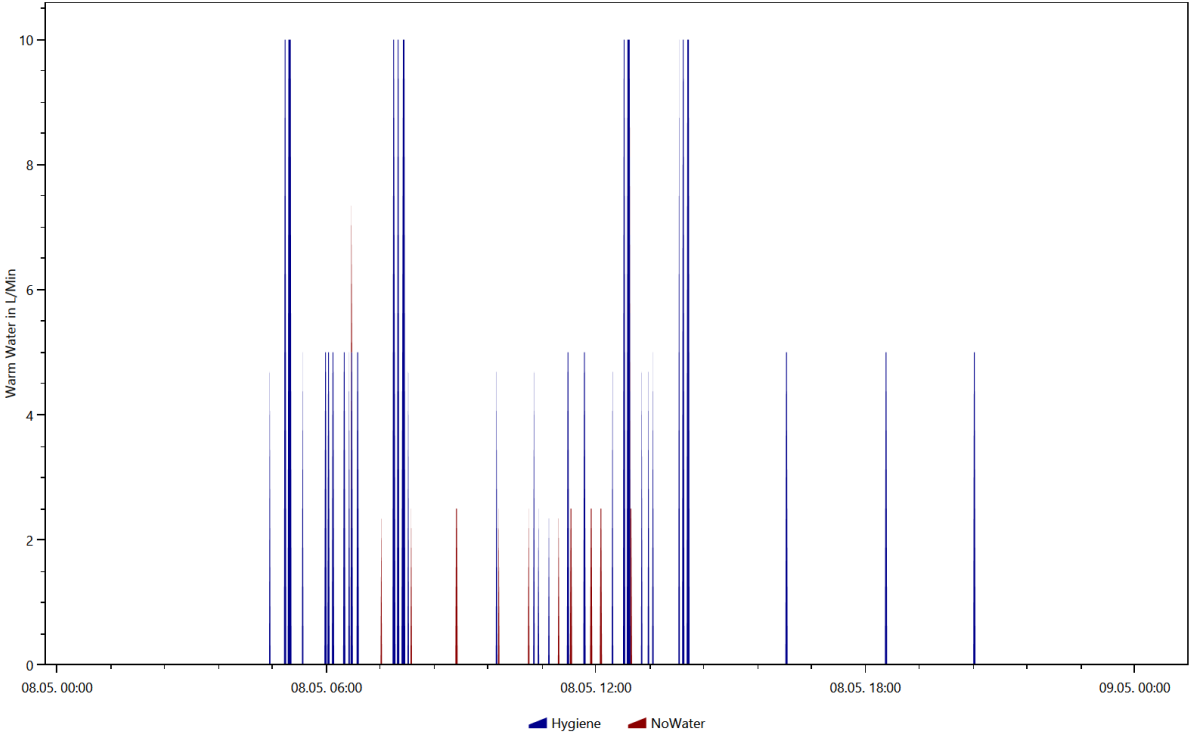
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.19



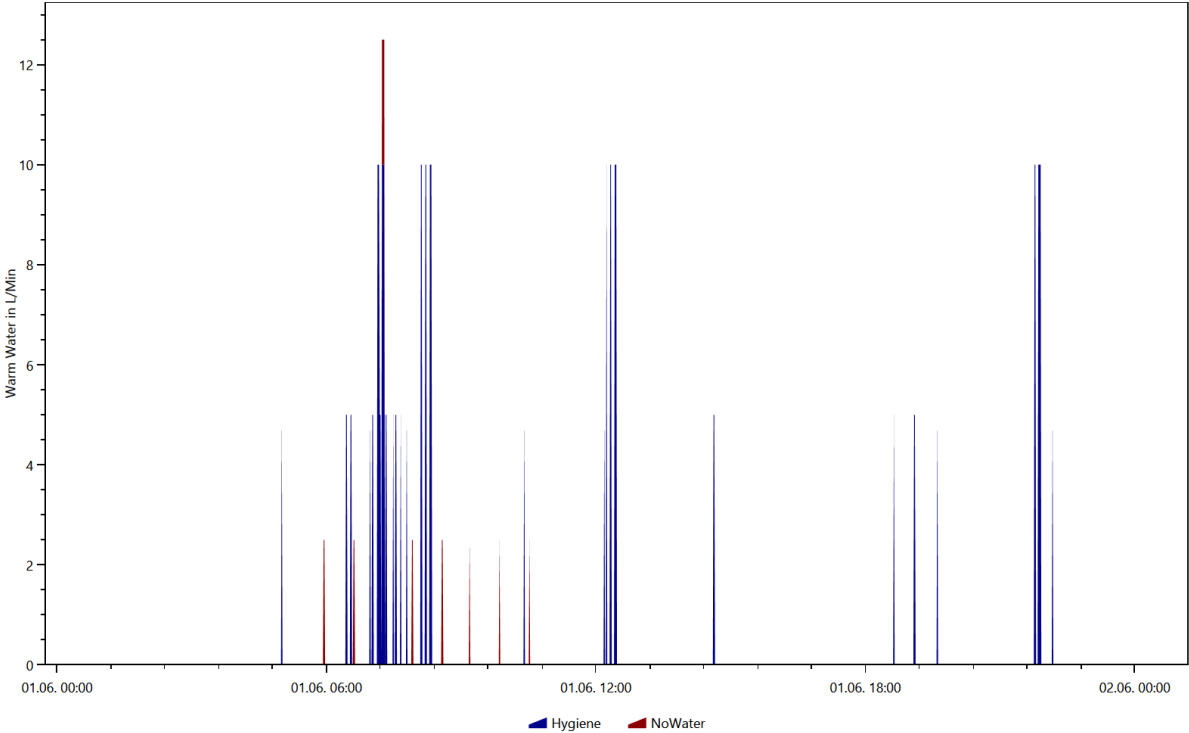
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.13



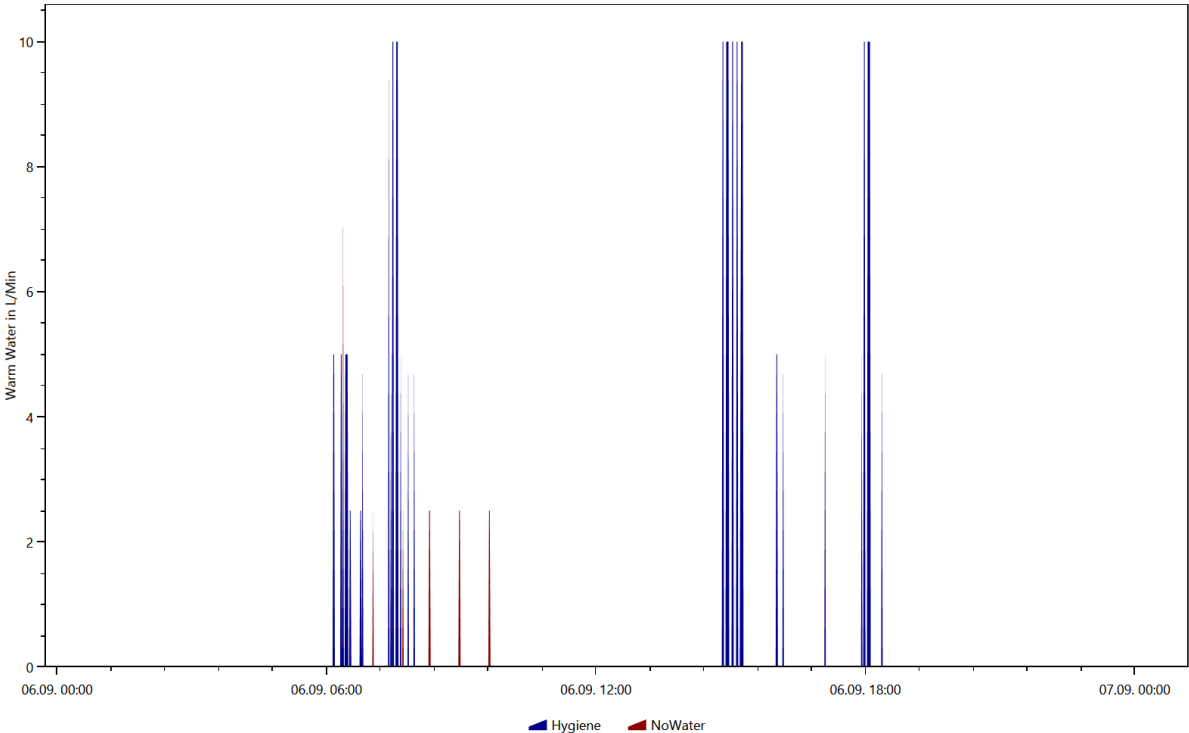
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.8



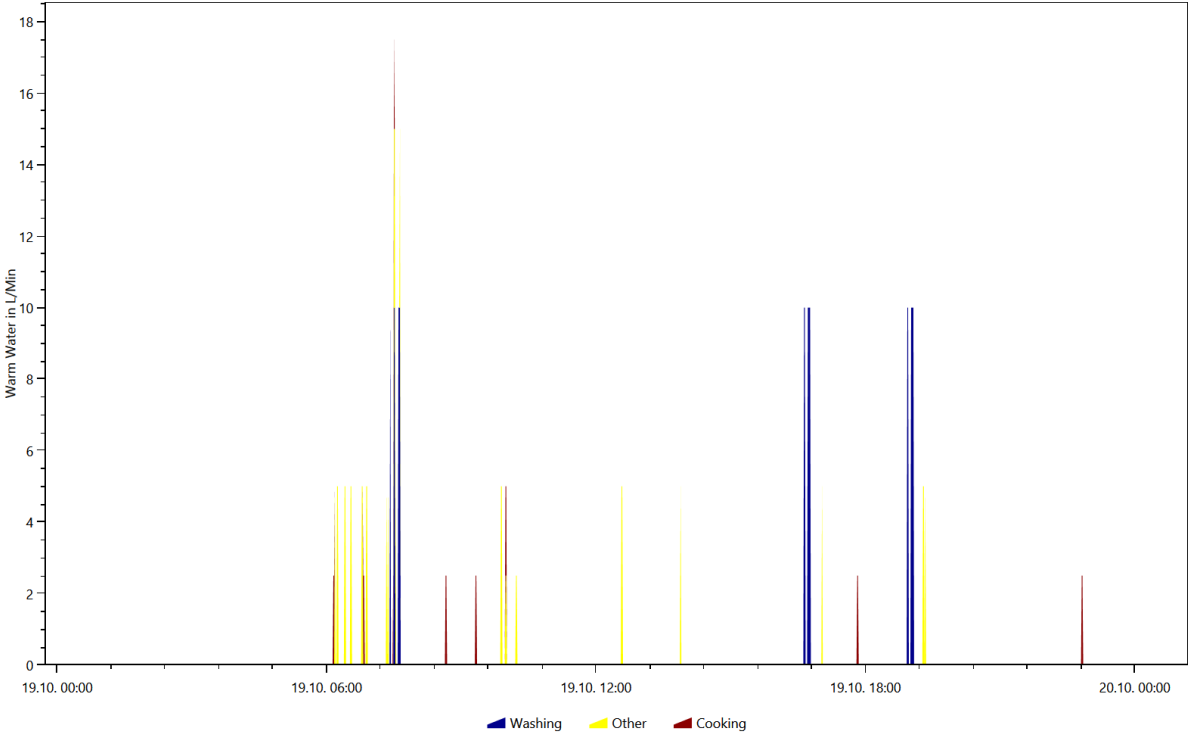
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.1



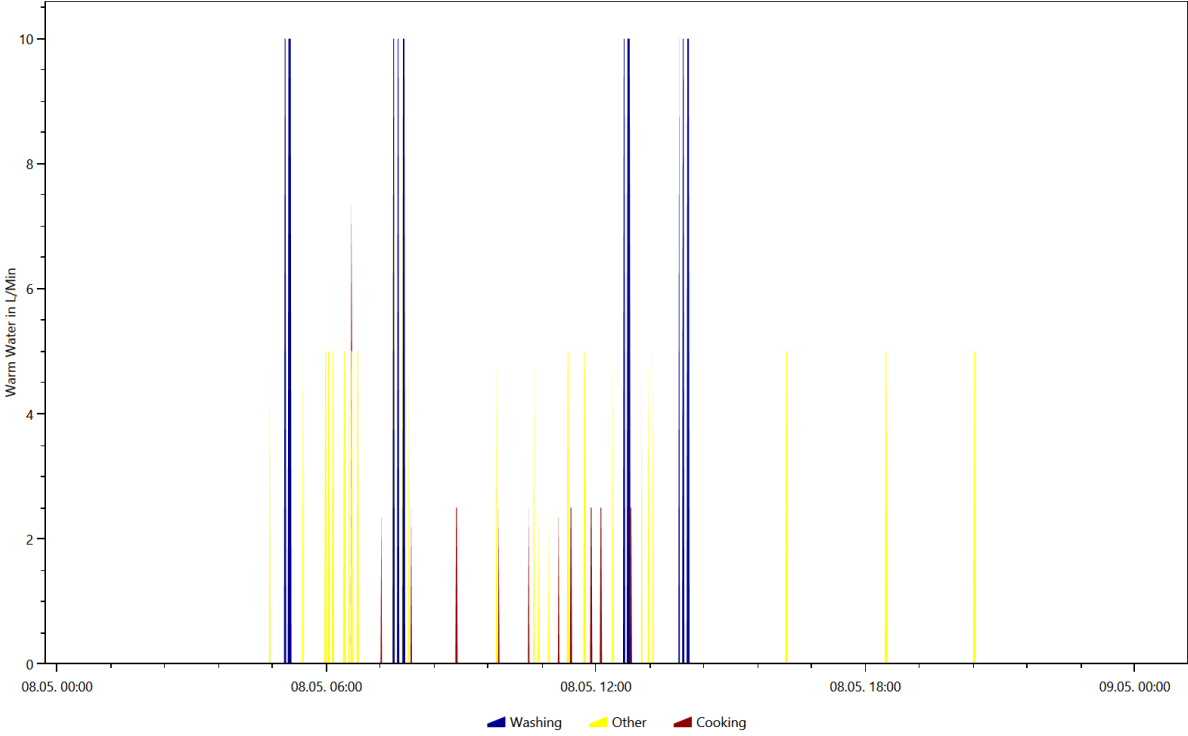
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.6



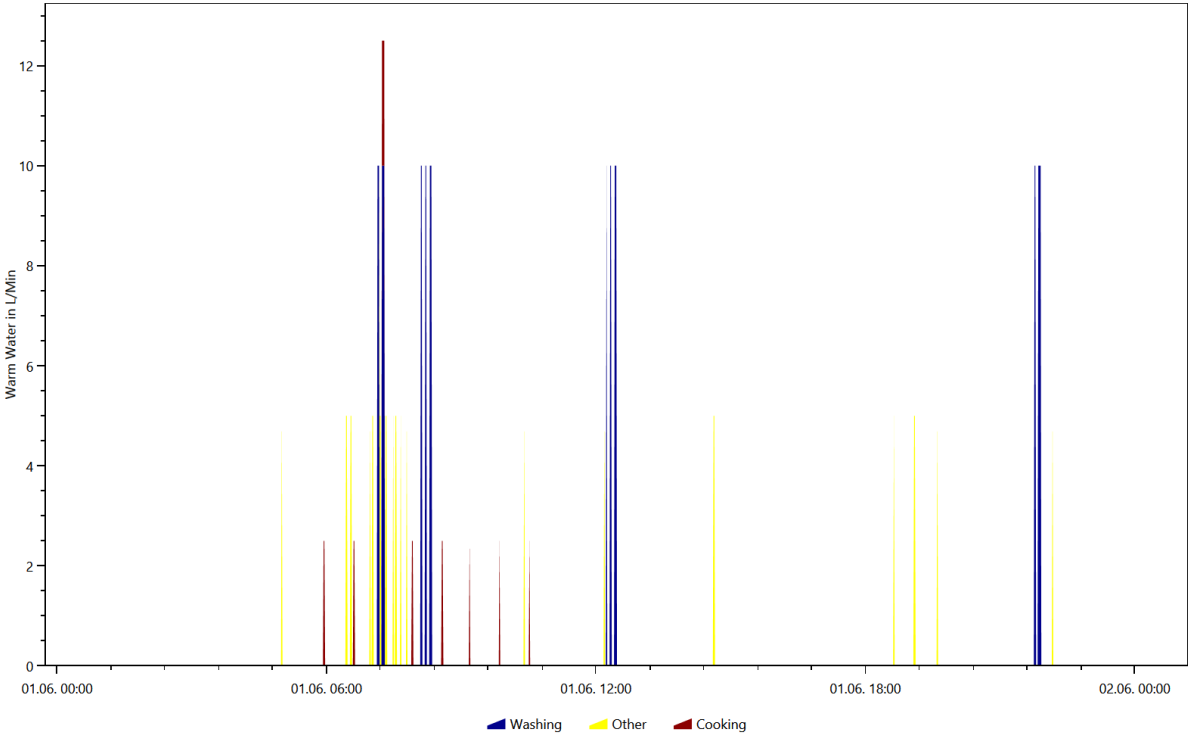
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.10.19



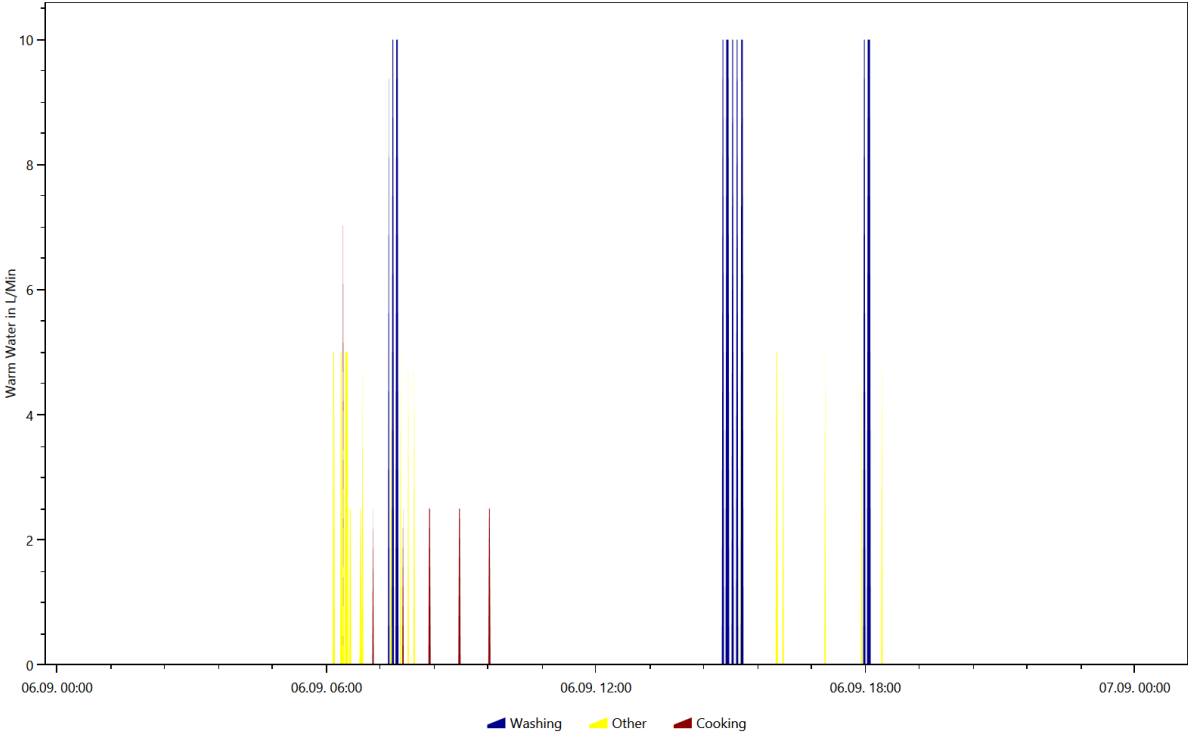
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.8



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.1



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.6

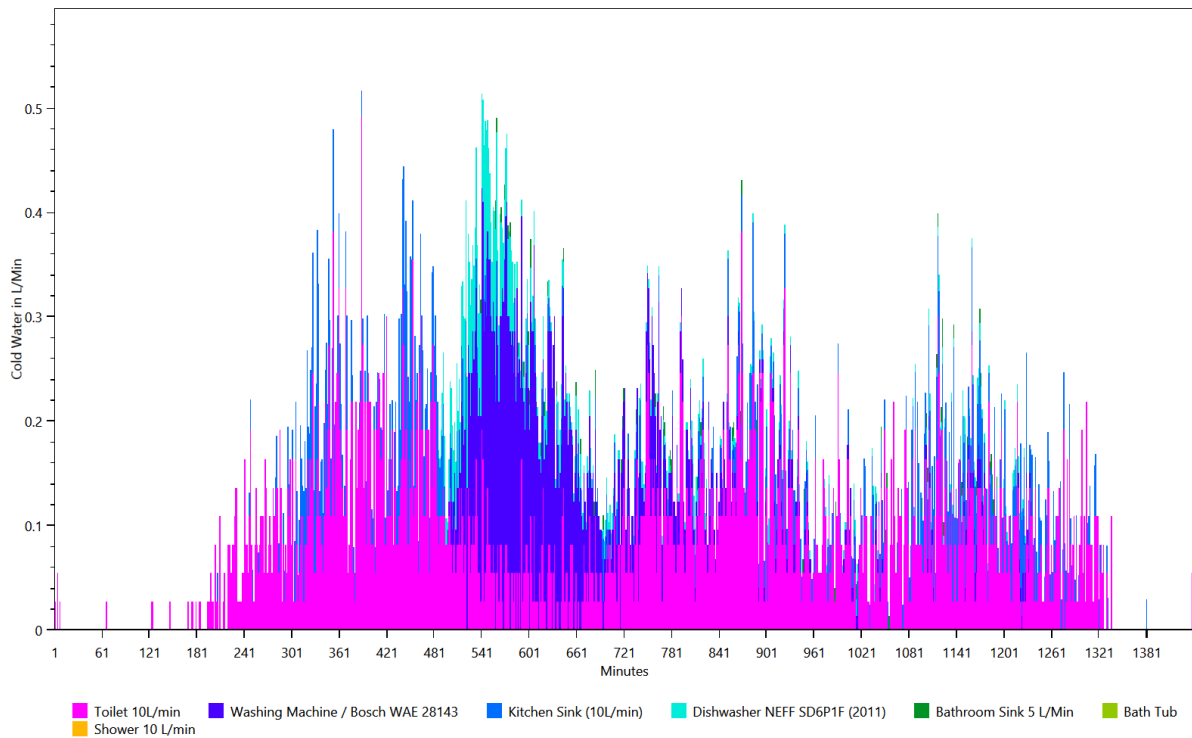


Overview of the time and power of the use per load type per device

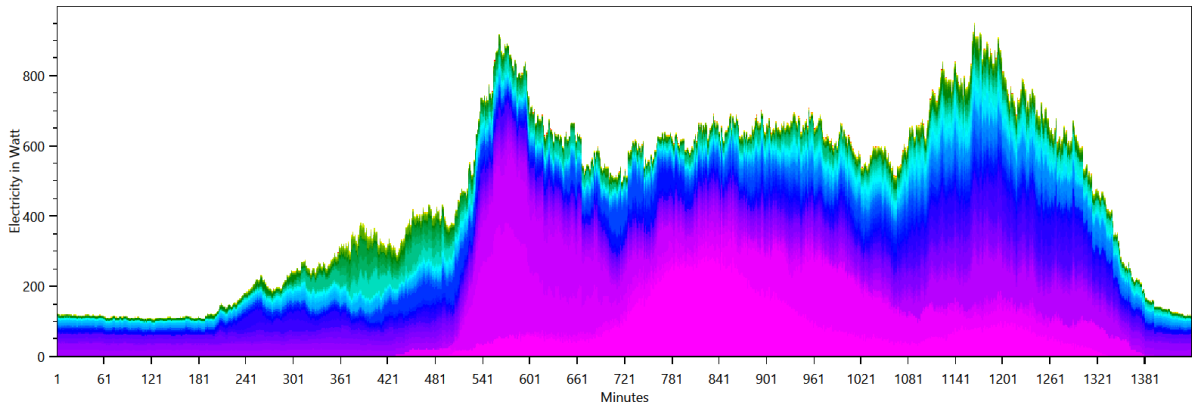
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

Cold Water

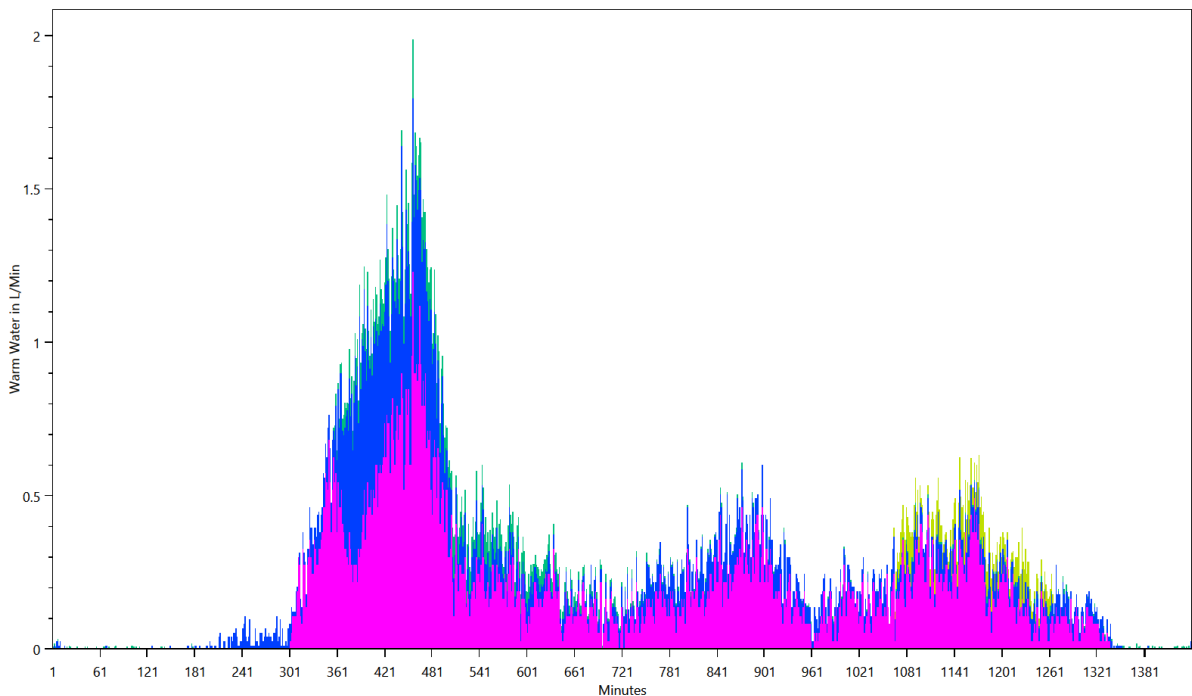


Electricity



- Dryer / Miele T 8626 WP
- LG GC W 141 BXG
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- TV Medion MD20123_DE_A
- Hair Dryer Braun Silencio 1250
- Fondue / Unold 48746 Asia
- Single Stove Plate
- SAT Receiver / Kathrein UFS913
- Clatronic MS 3249 Milk Foamer
- Egg Cooker / Russell Hobbs 14048-56 Stylo
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind - full power
- Electric Kettle / Petra WK288 1.5L
- Bathroom Light (20W)
- Food Slicer / DOMO Schneidemaschine DO521S
- External Harddrive Iomega 3.5"
- Handmixer / Phillips Robust HR 1581
- Blender Vitamix Moulinex
- Steam Iron / Phillips GC 4410
- Bauknecht GTE 260
- Gaming Computer
- Siemens KI 20 LA 65 (A+)
- Atika LH 2500 G
- Router O2 Box 6431
- PC / Acer 8400
- Toaster Salco MT 400
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Kitchen radio / AEG KRC 4323 CD
- Miele DA 61
- AEG NM 2701 Premium
- Dishwasher NEFF SD6P1F (2011)
- Microwave / Panasonic NN 5259
- Lawn Mower / Sabo 32-EL
- Sony PlayStation 3
- TASKalfa 180
- Laptop Sony Vaio SVE151G11M
- Living Room Light (Energy Saving Lamp, 20W)
- Nespresso Coffee Machine, Single Cup
- Cell Phone Samsung Charging
- Washing Machine / Bosch WAE 28143
- Yamaha RX-V667
- Steam Cooker / Phillips HD9140
- Electronic Hometrainer / Kettler Satura E
- Philips DVDR 725 H
- Cordless Screwdriver / Bosch PSR 18 LI-2
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- Juicer / Moulinex Vitafruit
- Terratec Noxon iRadio 360
- Miele DG 1450
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Kettler Satura E
- Christopheit Treadmill TM 2 Pro
- PC Monitor / Fujitsu Siemens Scaleoview D19-1
- Hedge Trimmer / Bosch AHS 550-24 ST
- Ricecooker / Tristar RK-6112
- Extractor Hood / Miele DA 429-4
- Kitchen Light (20W)
- Bathroom Mirror Light 10 W (LED)
- Energy Saving Lamp / EL-REF 11 E27
- Bedroom Light (20W)
- Westinghouse Fanaway
- AEG PN 2200 RX 4935365097
- Canon CanoScan LIDE 110

Warm Water



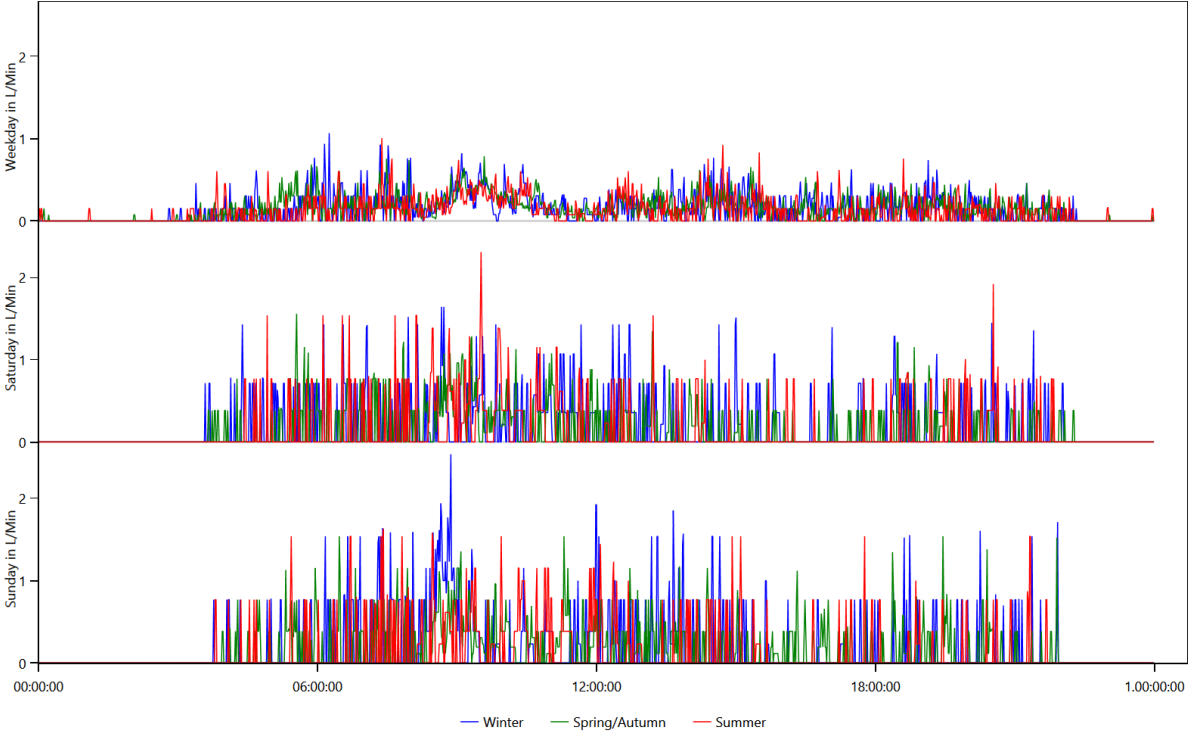
- Shower 10 L/min
- Bathroom Sink 5 L/Min
- Kitchen Sink (10L/min)
- Bath Tub

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

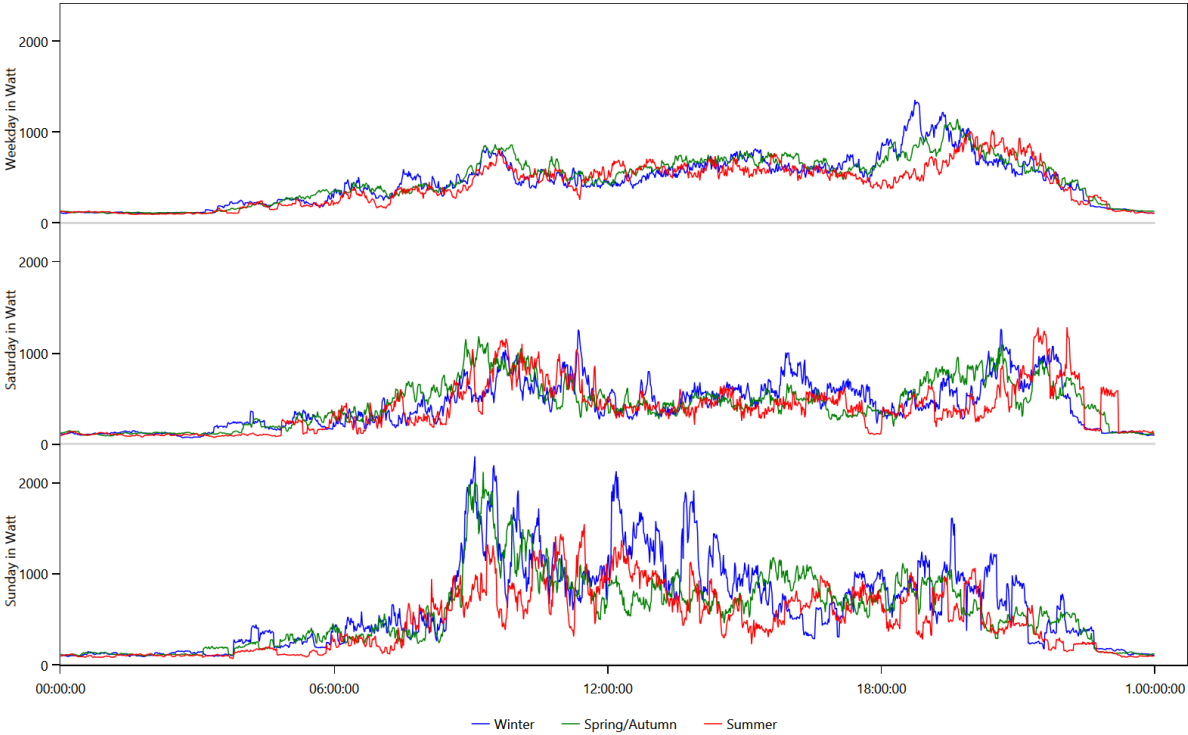
This is made from the files starting with: WeekdayProfiles

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

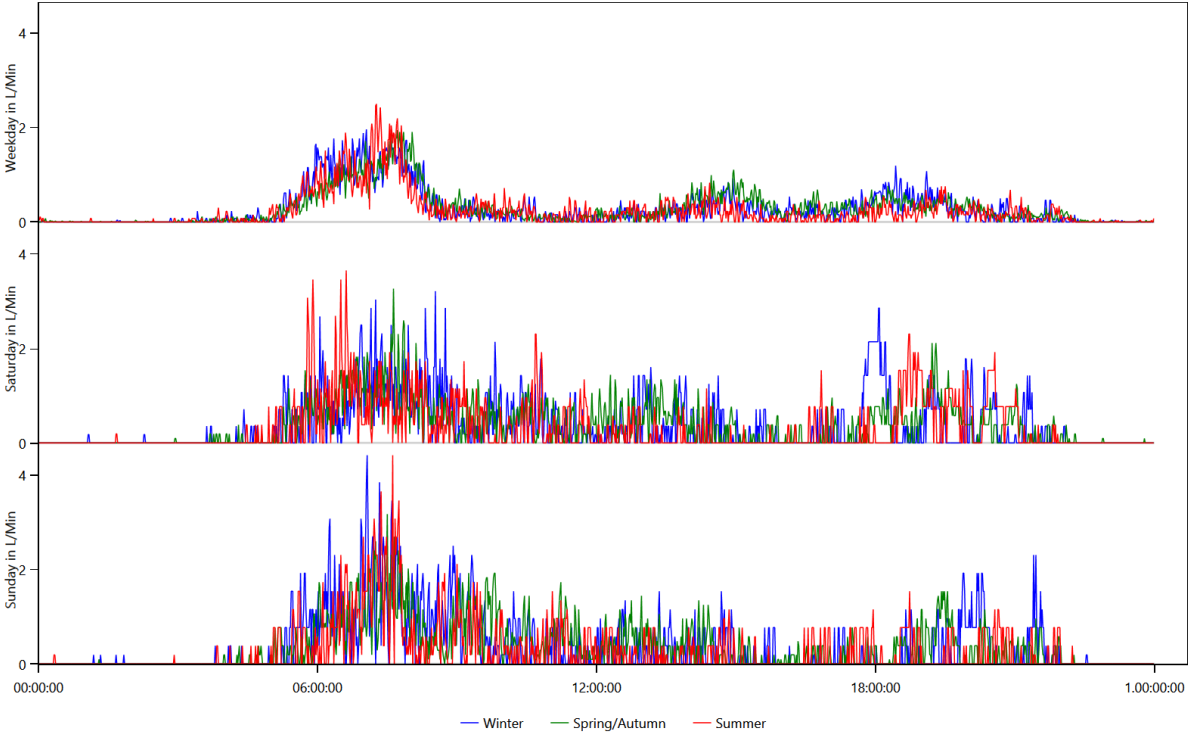
Cold Water



Electricity



Warm Water

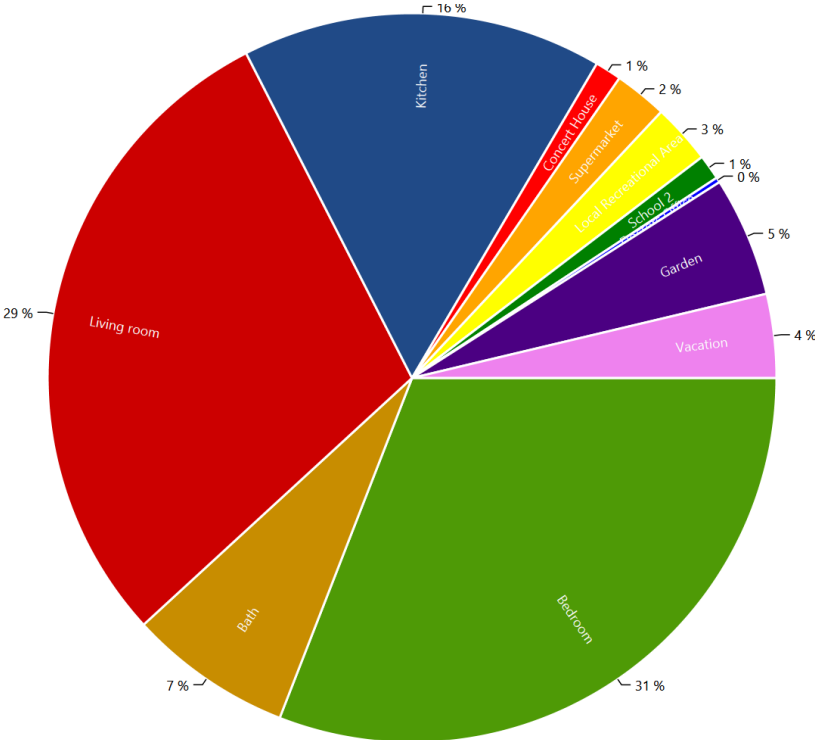


Location Distribution per Person

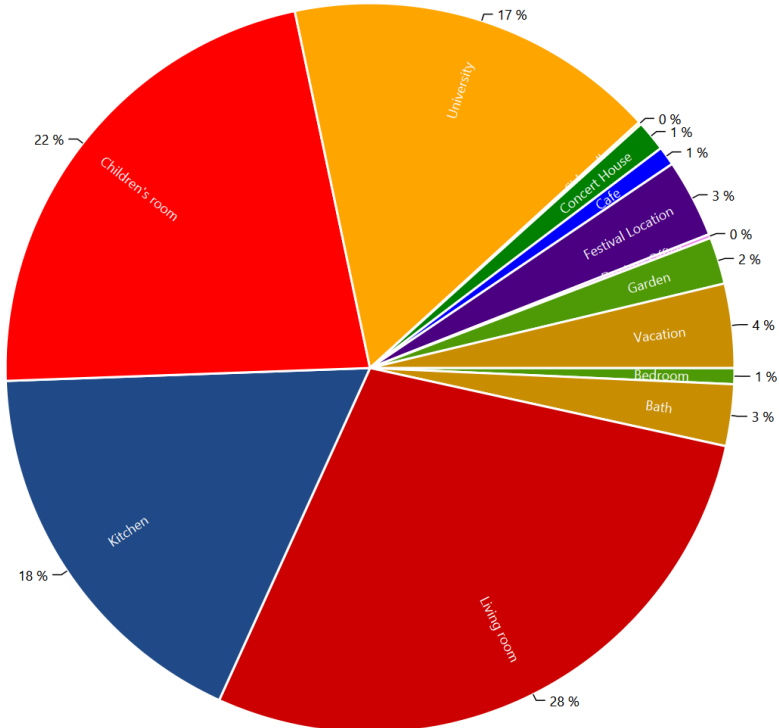
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

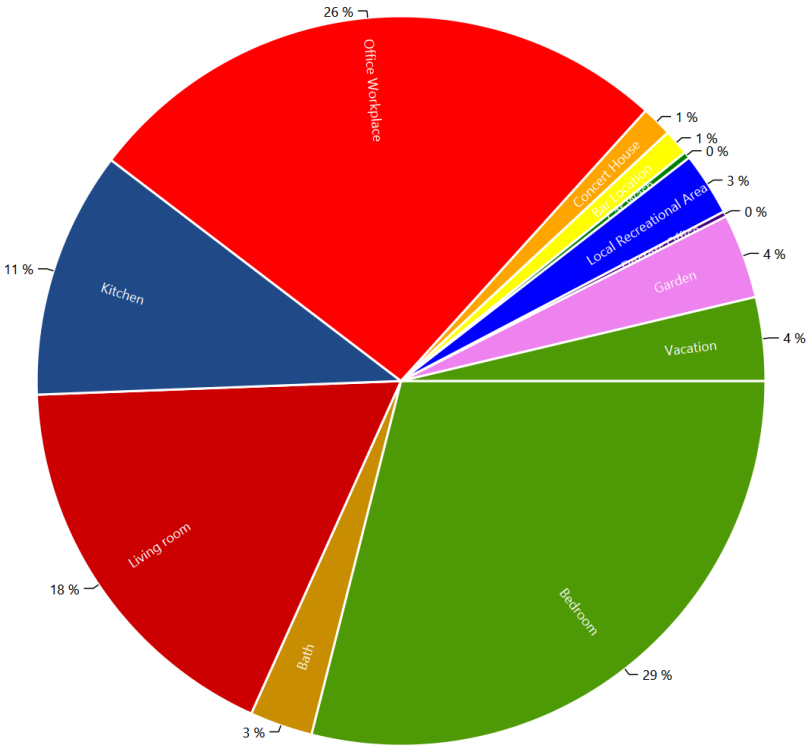
CHR57 Babs (43 Female)



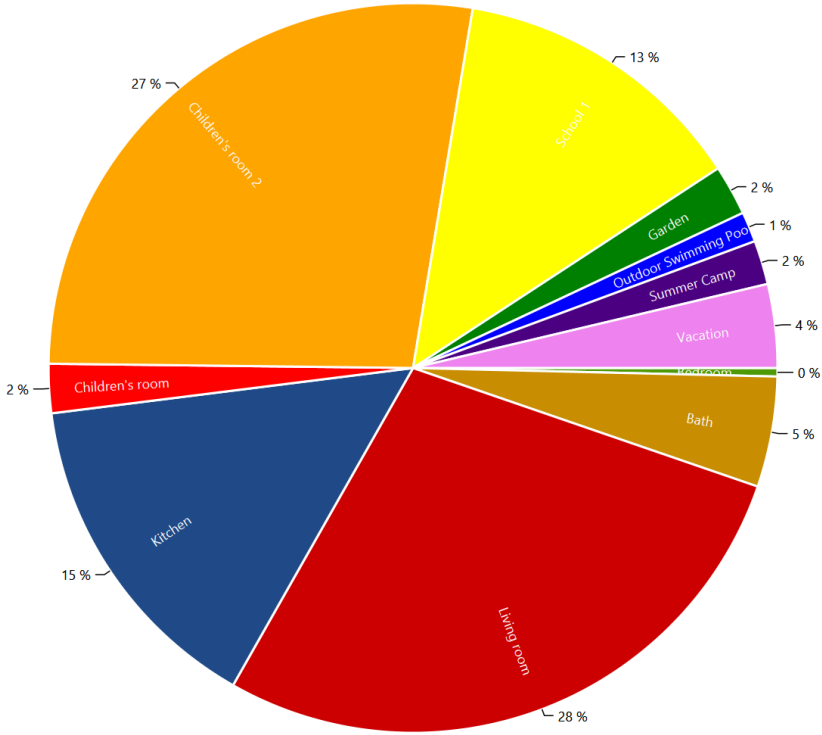
CHR57 Christoph (20 Male)



CHR57 Reiner (45 Male)



CHR57 Sarah (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

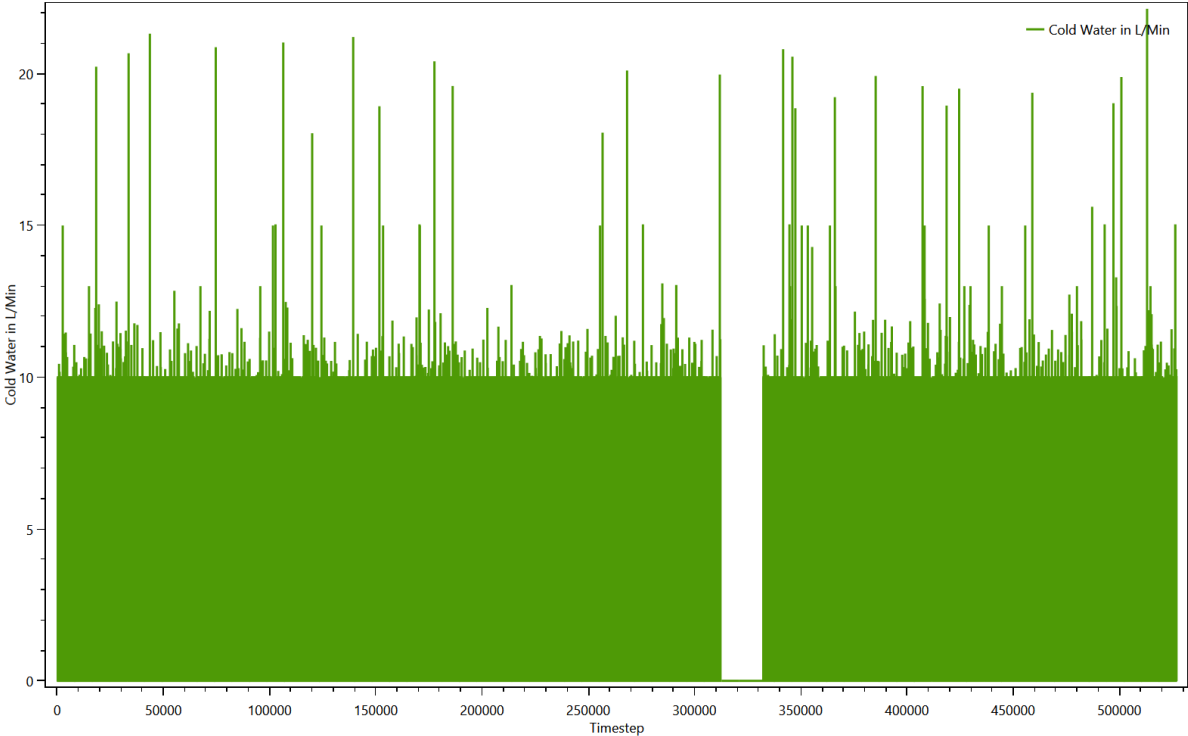
```
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHR57 Babs (43/Female);sleep bed 02 (08 h);sleep;True;
0;01.01.2016 00:00;CHR57 Christoph (20/Male);sleep bed 03 (08 h) Child;sleep;False;
0;01.01.2016 00:00;CHR57 Reiner (45/Male);sleep bed 08 (08 h);sleep;False;
0;01.01.2016 00:00;CHR57 Sarah (14/Female);sleep bed 04 (10 h) Child;sleep;False;
236;01.01.2016 03:56;CHR57 Christoph (20/Male);go to the toilet;hygiene;False;
241;01.01.2016 04:01;CHR57 Christoph (20/Male);use the computer (2 h);Active Entertainment (Computer,
Internet etc);False;
354;01.01.2016 05:54;CHR57 Christoph (20/Male);take a shower (men);hygiene;False;
371;01.01.2016 06:11;CHR57 Sarah (14/Female);get ready in the morning (children);hygiene;False;
374;01.01.2016 06:14;CHR57 Christoph (20/Male);eat breakfast (1 h);cooking;False;
381;01.01.2016 06:21;CHR57 Reiner (45/Male);get ready in the morning (men);hygiene;False;
381;01.01.2016 06:21;CHR57 Sarah (14/Female);go to the toilet;hygiene;False;
385;01.01.2016 06:25;CHR57 Babs (43/Female);eat a cooked meal (interrupting) (eat breakfast (1
h));cooking;True;
386;01.01.2016 06:26;CHR57 Sarah (14/Female);play with smartphone 30 min;Active Entertainment
(Computer, Internet etc);False;
391;01.01.2016 06:31;CHR57 Reiner (45/Male);go to the toilet;hygiene;False;
397;01.01.2016 06:37;CHR57 Reiner (45/Male);eat a cooked meal (interrupting) (eat breakfast (1
h));cooking;False;
415;01.01.2016 06:55;CHR57 Sarah (14/Female);talk with friends on the phone;Passive Entertainment (TV
etc.);False;
440;01.01.2016 07:20;CHR57 Babs (43/Female);go to the toilet;hygiene;True;
440;01.01.2016 07:20;CHR57 Christoph (20/Male);get ready in the morning (men);hygiene;False;
440;01.01.2016 07:20;CHR57 Reiner (45/Male);watch a movie for 2 h;Passive Entertainment (TV etc.);False;
```

Sum Profiles

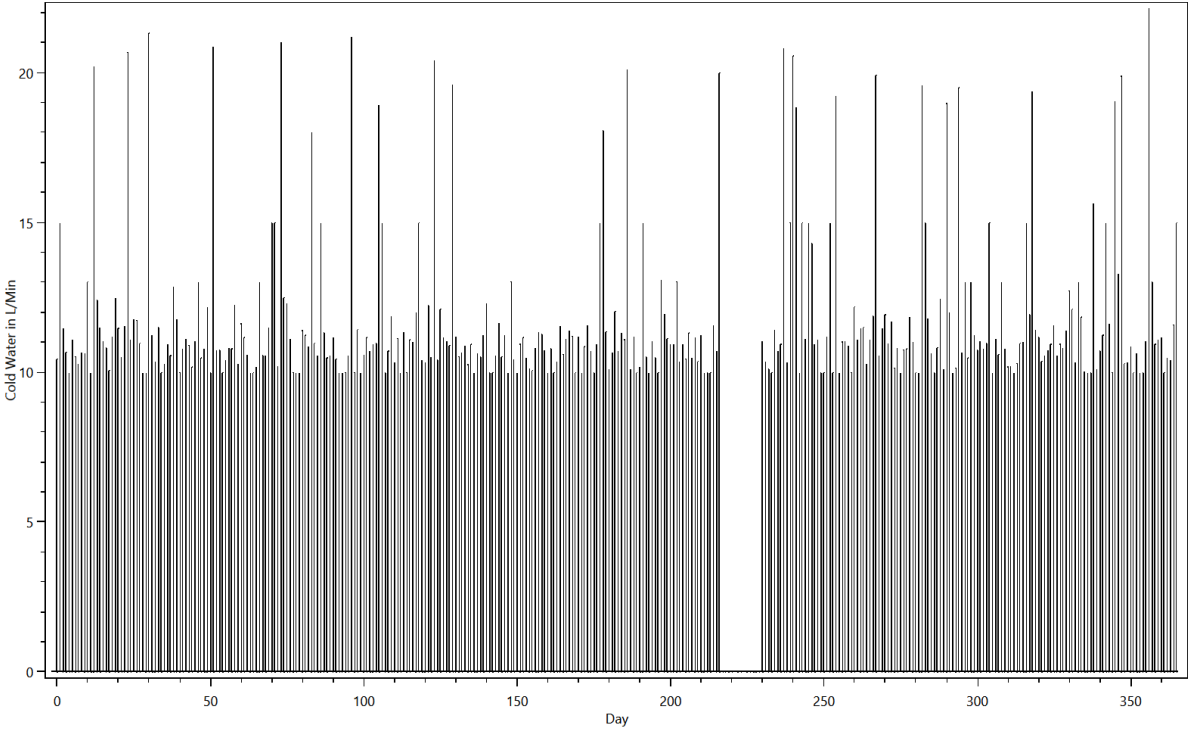
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

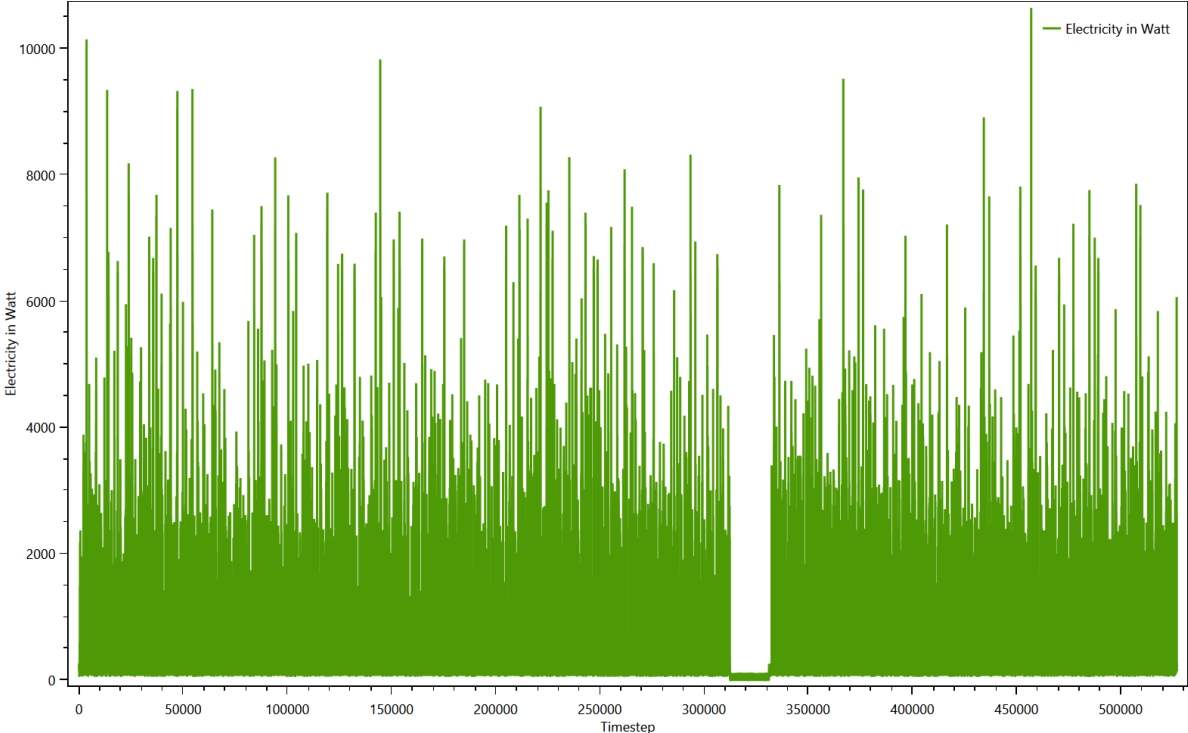
Summed up curve for Cold Water from SumProfiles.Cold Water.png



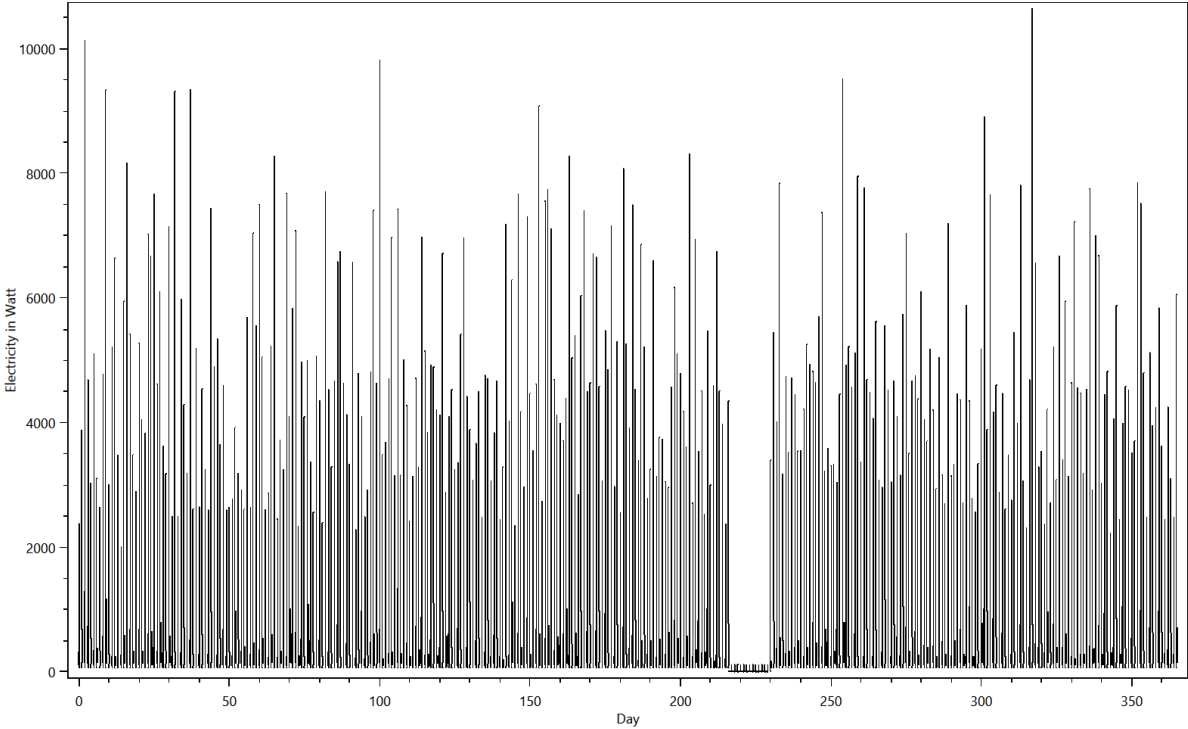
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



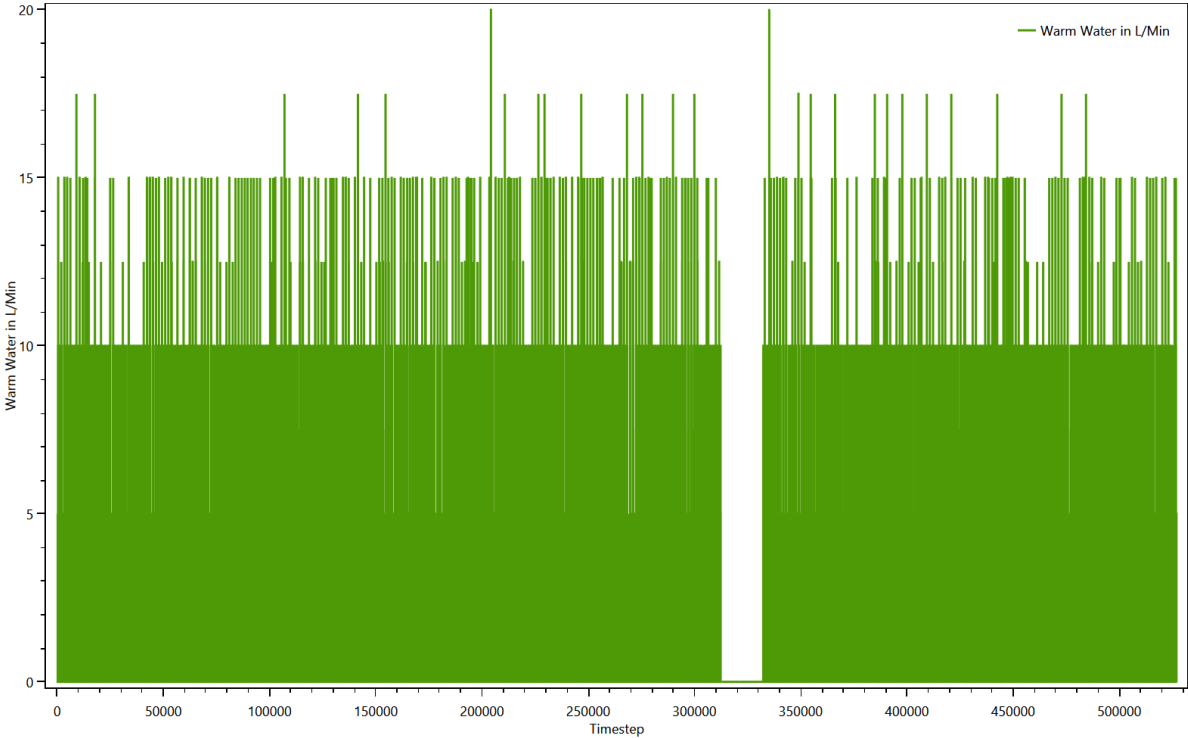
Summed up curve for Electricity from SumProfiles.Electricity.png



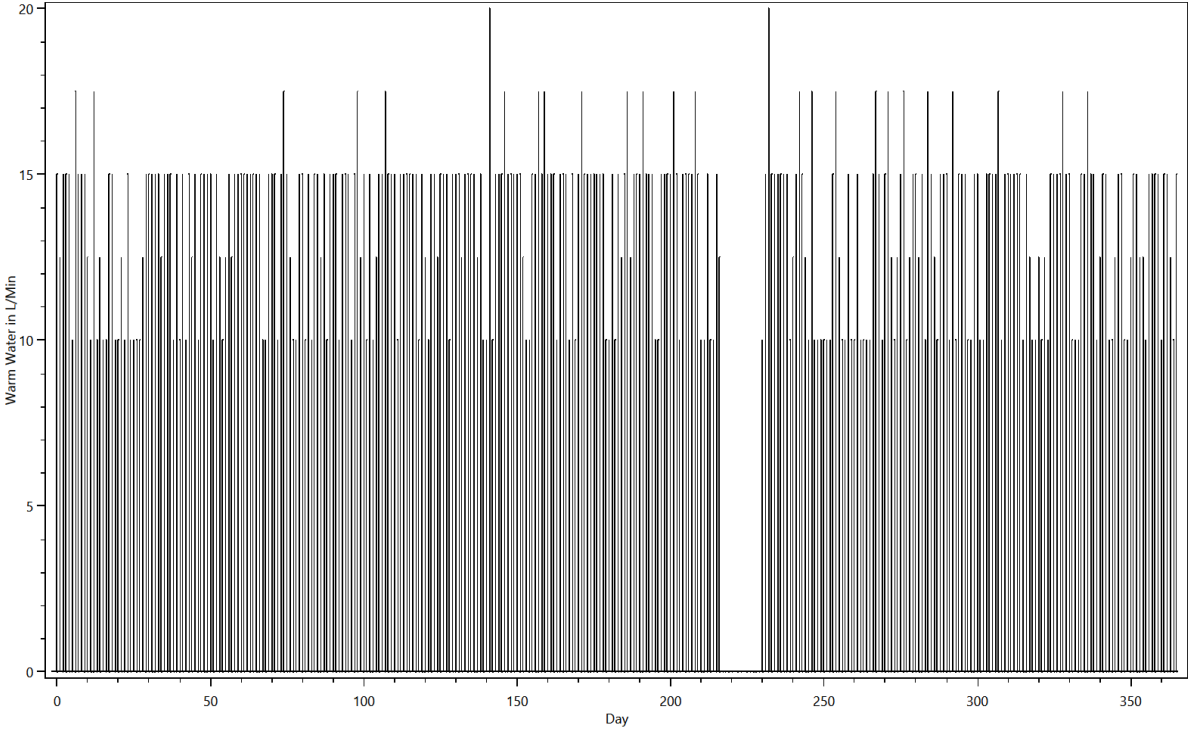
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



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.CHR57 Family with 2 Children, Man at work 0.txt

Device;Load Type;Profile;Number of Activations

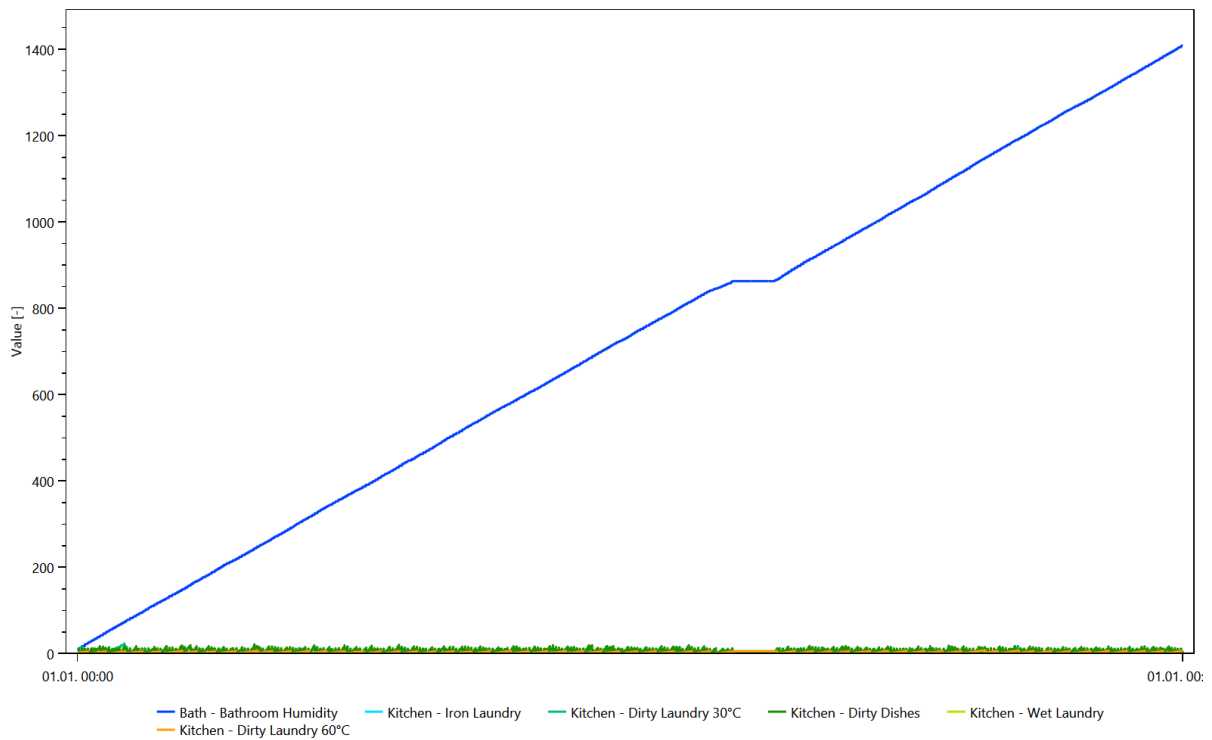
AEG NM 2701 Premium;Electricity;01 h 0 min 100% [Synthetic];97
AEG PN 2200 RX 4935365097;Electricity;0 h 03 min 100% [Synthetic];11
AEG SB 2E 650 R;Electricity;0 h 03 min 100% [Synthetic];11
Atika LH 2500 G;Electricity;0 h 15 min 100% [Synthetic];113
Bar;None;04 h 0 min 100% [Synthetic];25
Bath Tub;Warm Water;0 h 15 min 100% [Synthetic];13
Bath Tub;Warm Water;0 h 20 min 100% [Synthetic];15
Bathroom Light (20W);Electricity;Bath - light [Synthetic for Light Device];1665
Bathroom Mirror Light 10 W (LED);Electricity;Bath - light [Synthetic for Light Device];1665
Bathroom Sink 5 L/Min;Cold Water;0 h 01 min 100% [Synthetic];63
Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 100% [Synthetic];6347
Bathroom Sink 5 L/Min;Warm Water;0 h 01 min 50% [Synthetic];444
Bauknecht GTE 260;Electricity;0 h 01 min 100% [Synthetic];95
Bauknecht GTE 260;Electricity;05 h 0 min Fridge, 1h 100%, 4h 0% [Synthetic];1712
Bed 2;None;08 h 0 min 100% [Synthetic];356
Bed 3 (Children);None;08 h 0 min 100% [Synthetic];343
Bed 4;None;10 h 0 min 100% [Synthetic];348
Bed 8;None;08 h 0 min 100% [Synthetic];351
Bedroom Light (20W);Electricity;Bedroom - light [Synthetic for Light Device];19

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

