

Overview of the results of the household CHR18 Family, 2 children, parents without work 0

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

Energy Intensity: Random

Seed 5096

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:12:10

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Totals

Totals for each Loadtype

Load Type	Value	Unit
Cold Water	60630.41	L
Electricity	4033.88	kWh
Warm Water	181940.71	L

Totals for each Loadtype per Day

Load Type	Value	Unit
Cold Water	165.66	L
Electricity	11.02	kWh
Warm Water	497.11	L

Minimum and Maximum for each Loadtype

Household	Minimum	Maximum	Unit
Cold Water	0.00	16.28	L/Min
Electricity	0.00	12217.99	Watt
Warm Water	0.00	26.60	L/Min

Totals for each Loadtype per Person

Load Type	Value	Unit
Cold Water	15157.60	L
Electricity	1008.47	kWh

Warm Water	45485.18	L
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Totals for each Loadtype per Person per Day

Load Type	Value	Unit
Cold Water	41.41	L
Electricity	2.76	kWh
Warm Water	124.28	L

Persons

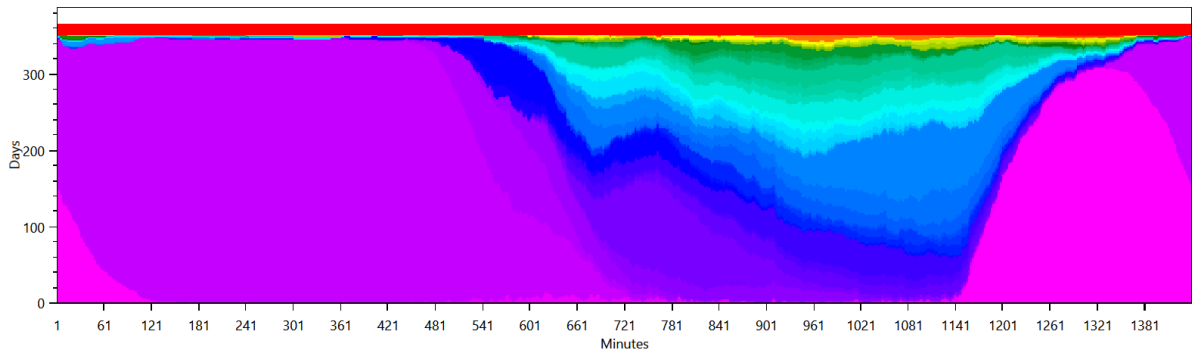
- HH0
 - CHR18 Dan (37/Male)(37/Male)
 - CHR18 Rachel (35/Female)(35/Female)
 - CHR18 Simon (8/Male)(8/Male)
 - CHR18 Sora (12/Female)(12/Female)

Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

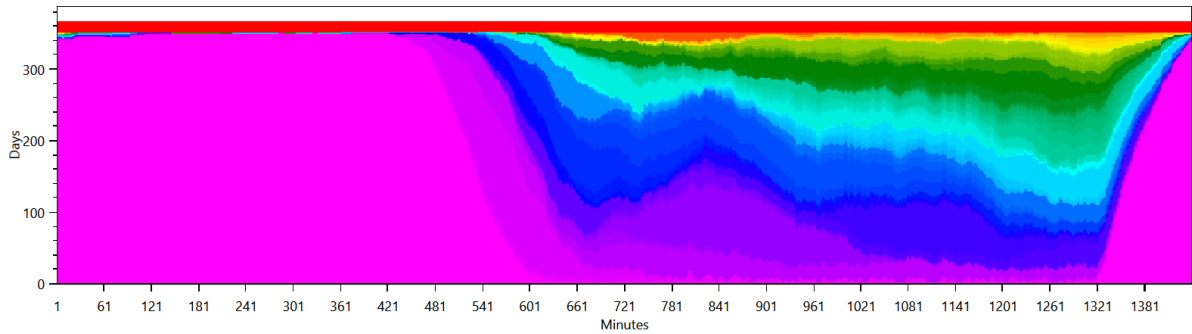
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR18 Dan (37 Male)



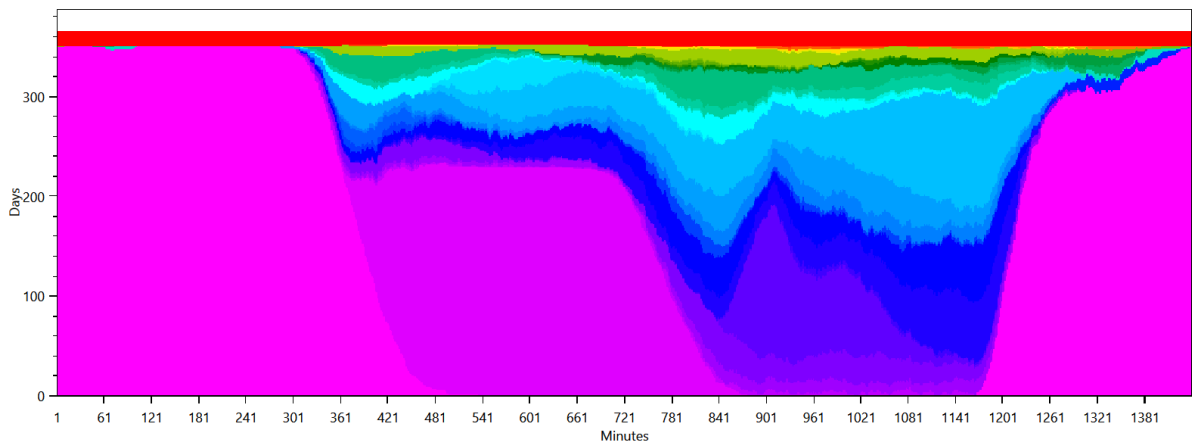
- go to a bar (4 h)
- go to the toilet
- fry two eggs and eat them with toast
- sleep bed 01 (10 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- take a shower (men)
- watch TV with someone (watch a movie for 2 h with home cinema system)
- take a nap
- use the computer for recreation (2 h)
- watch a movie for 1 h 30 min
- go shopping (4 h)
- make fondue and eat it
- get ready in the morning (men)
- eat breakfast (1 h)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- use the computer (1.5 h)
- watch the news
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- use the laptop (1.5 h)
- watch TV (1 h)
- watch sports on TV with SAT Receiver (2 h)
- cook food with steam cooker and eat it
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- cuddle and sleep (take a nap)
- use the computer (1 h)
- watch a movie for 2 h
- watch TV with someone (watch TV (1 h))
- watch a movie for 1 h 30 min with home cinema system
- use the computer (2 h)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- use the computer with external HD (1 h)
- watch a movie for 2 h with home cinema system
- use the laptop for Internet, Movie, Music, News (2 h)
- make roulades and eat them
- join shopping (go shopping (4 h))
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- use the laptop (1 h)
- cook pasta and eat it
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- cook food with rice and eat it
- microwave frozen meal and eat it
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- make custom pizza and eat it
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- read a book on the couch only 9:00 to 22:00
- make and drink tea (15 min)
- read a book on the couch all the time
- read a book (1 h)
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- cook food with a deep fryer and eat it
- heat up leftovers
- watch TV with someone (watch a movie for 1 h 30 min)
- take nap on the weekend (2 h)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- eat a cooked meal (interrupting) (make soup)
- make soup
- make frozen pizza and eat it
- decorate the balcony
- eat a cooked meal (interrupting) (heat up leftovers)
- read a newspaper for 30min
- make mashed potatoes and eat them
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- eat a cooked meal (interrupting) (make roulades and eat them)
- taking a vacation

HH0 - CHR18 Rachel (35 Female)



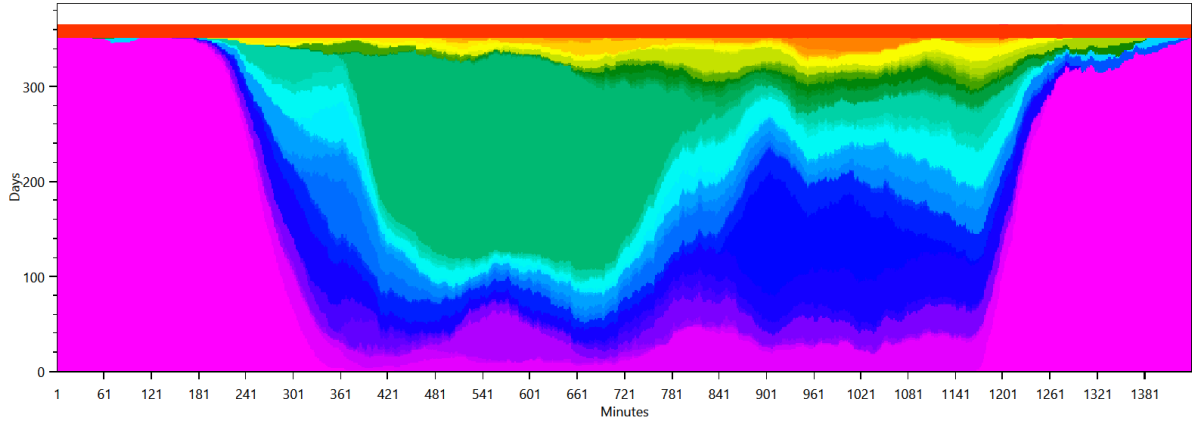
- sleep bed 02 (10 h)
- go to the toilet
- eat breakfast (1 h)
- get ready in the morning (women)
- watch a movie for 2 h with home cinema system
- do laundry at 30°C (by variable)
- take a nap
- watch TV with someone (watch a movie for 1 h 30 min)
- run the dryer with wet laundry, only below 15°C (by variable)
- take a shower with hair washing (women) (20 min hair drying)
- use the computer (2 h)
- go to community college
- fry two eggs and eat them with toast
- sew and repair clothes
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- run the dishwasher (triggered)
- clean the bath
- take a shower without hair washing (women)
- watch a movie for 1 h 30 min with home cinema system
- go shopping (4 h)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- use the computer for recreation (2 h)
- eat a cooked meal (interrupting) (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 1 h 30 min with home cinema system)
- bake a cake
- use the computer (1 h)
- watch sports on TV with SAT Receiver (2 h)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- make fondue and eat it
- do laundry at 60°C (by variable)
- go shopping for food in the supermarket (1.5 h)
- watch TV with someone (watch TV (1 h))
- use the laptop (1 h)
- watch TV with someone (watch a movie for 2 h)
- use the computer (1.5 h)
- cook food with steam cooker and eat it
- cook food with a deep fryer and eat it
- cook food with rice and eat it
- cuddle and sleep (take a nap)
- cook pasta and eat it
- watch the news
- listen to music on compact hifi (2 h)
- watch TV with someone (watch a movie for 2 h with home cinema system)
- use the laptop for Internet, Movie, Music, News (2 h)
- watch TV with someone (watch the news)
- watch TV (1 h)
- cook a sunday feast with extractor hood and eat it
- join shopping (go shopping (4 h))
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- watch a movie for 1 h 30 min
- use the computer with external HD (1 h)
- use the laptop (1.5 h)
- vacuum the household
- microwave frozen meal and eat it
- make soup
- make frozen pizza and eat it
- make mashed potatoes and eat them
- heat up leftovers
- make custom pizza and eat it
- make roulades and eat them
- watch a movie for 2 h
- read a book on the couch only 9:00 to 22:00
- make and drink tea (15 min)
- read a book on the couch all the time
- take nap on the weekend (2 h)
- read a newspaper for 30min
- read a magazine
- hang up laundry outside only above 15°C (by variable)
- eat a cooked meal (interrupting) (make custom pizza 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 food with a deep fryer and eat it)
- taking a vacation

HH0 - CHR18 Simon (8 Male)



- sleep bed 04 (10 h) Child
- go to primary school
- go to the toilet
- watch a movie for 1 h 30 min
- play with toys (2 h)
- study at home
- join Xbox game (play Xbox (1 h))
- play with wooden toys (1 h)
- watch TV (1 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- play with toys 30min
- get ready in the morning (children)
- watch a movie for 2 h with home cinema system
- play Xbox (1 h)
- play with wooden toys (2 h)
- eat a cooked meal (interrupting) (eat breakfast (1 h))
- play with toys (1 h)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- watch a movie for 1 h 30 min with home cinema system
- play with toys (1.5 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)
- take a nap
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- watch TV with someone (watch a movie for 1 h 30 min)
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood 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)
- watch a movie for 2 h
- eat a cooked meal (interrupting) (make soup)
- watch TV with someone (watch TV (1 h))
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- watch TV with someone (watch a movie for 2 h with home cinema system)
- eat a cooked meal (interrupting) (heat up leftovers)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- watch TV with someone (watch a movie for 2 h)
- watch TV with someone (watch the news)
- taking a vacation

HH0 - CHR18 Sora (12 Female)



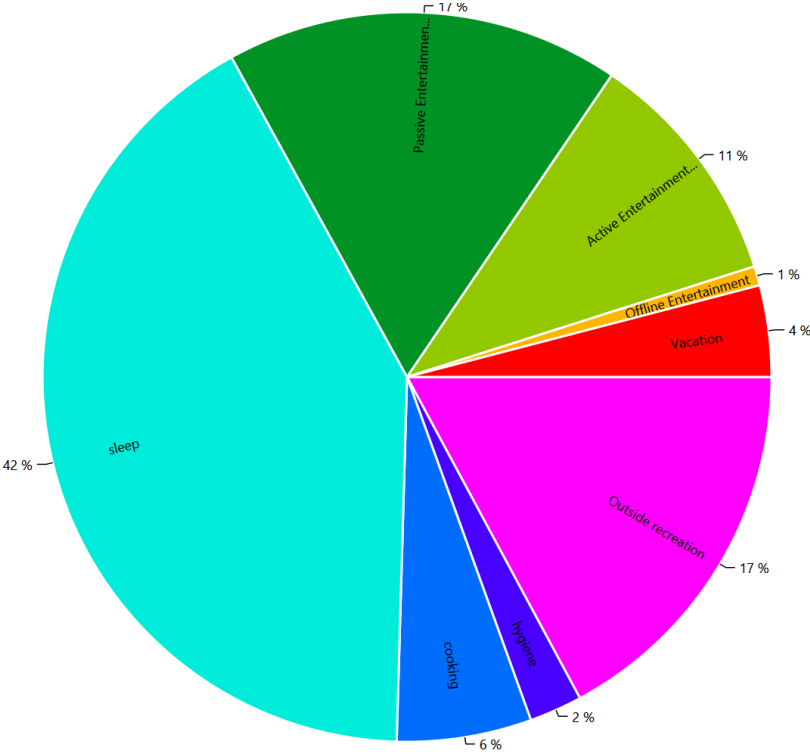
- sleep bed 03 (08 h) Child
 ■ use the laptop (1.5 h)
 ■ watch a movie for 2 h with home cinema system
 ■ eat a cooked meal (interrupting) (eat breakfast (1 h))
- go to the toilet
 ■ use the laptop (1 h)
 ■ get ready in the morning (children)
 ■ take a shower with hair washing (women) (5 min hair drying)
- watch TV with someone (watch a movie for 2 h with home cinema system)
 ■ use the laptop for Internet, Movie, Music, News (2 h)
 ■ study at home
 ■ play Xbox (1 h)
- watch a movie for 1 h 30 min with home cinema system
 ■ eat a cooked meal (interrupting) (make fondue and eat it)
 ■ take a shower without hair washing (women)
- watch sports on TV with SAT Reciever (2 h)
 ■ use the computer with external HD (1 h)
 ■ watch a movie for 2 h
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
 ■ take a shower with hair washing (women) (20 min hair drying)
 ■ use the computer (1.5 h)
- join Xbox game (play Xbox (1 h))
 ■ watch TV (1 h)
 ■ use the computer (1 h)
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
 ■ go to grammer school
 ■ watch TV with someone (watch TV (1 h))
- listen to music on compact hifi (2 h)
 ■ watch TV with someone (watch a movie for 2 h)
 ■ watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
 ■ eat a cooked meal (interrupting) (cook pasta and eat it)
 ■ watch a movie for 1 h 30 min
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
 ■ eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
 ■ eat a cooked meal (interrupting) (cook food with rice and eat it)
- read a book on the couch only 9:00 to 22:00
 ■ make and drink tea (15 min)
 ■ read a book on the couch all the time
 ■ read a book (1 h)
 ■ take a nap
- read a magazine
 ■ watch TV with someone (watch a movie for 1 h 30 min)
 ■ take nap on the weekend (2 h)
 ■ eat a cooked meal (interrupting) (heat up leftovers)
- watch TV with someone (watch the news)
 ■ taking a vacation
 ■ eat a cooked meal (interrupting) (make custom pizza and eat it)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)

Activity Distribution per Person

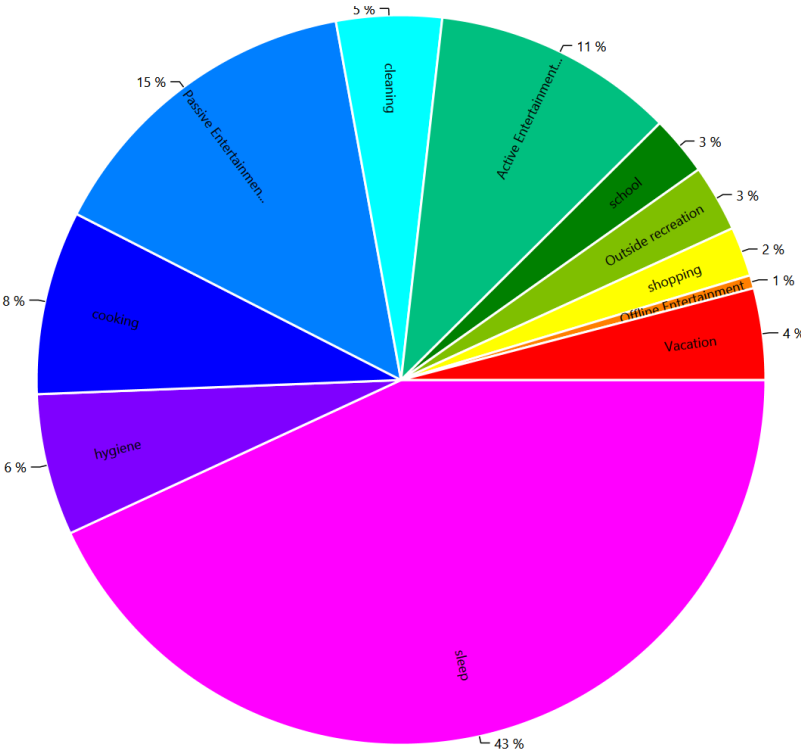
This is made from the files starting with: ActivityPercentage

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

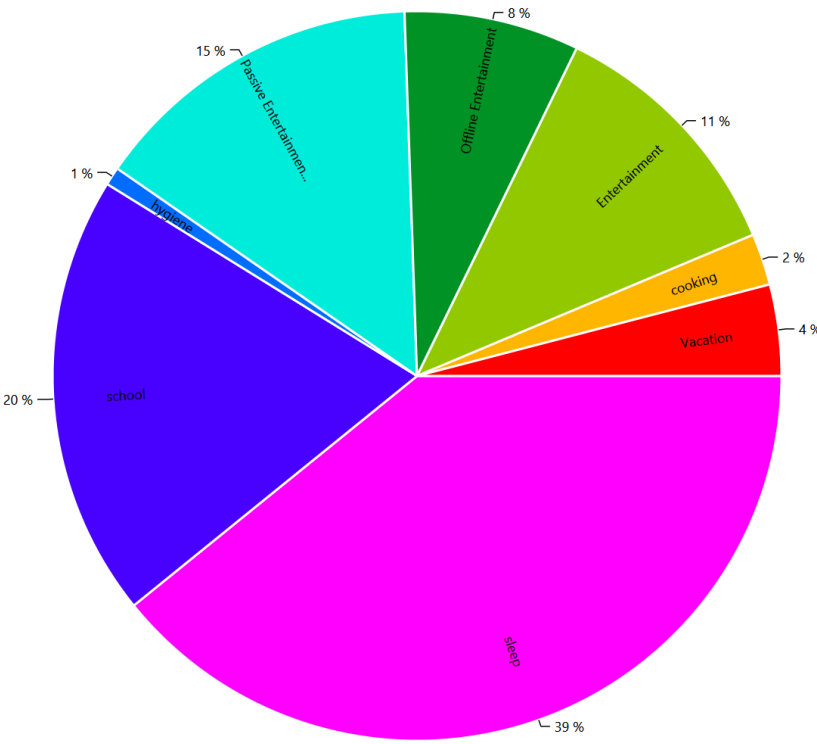
HH0 - CHR18 Dan (37 Male)



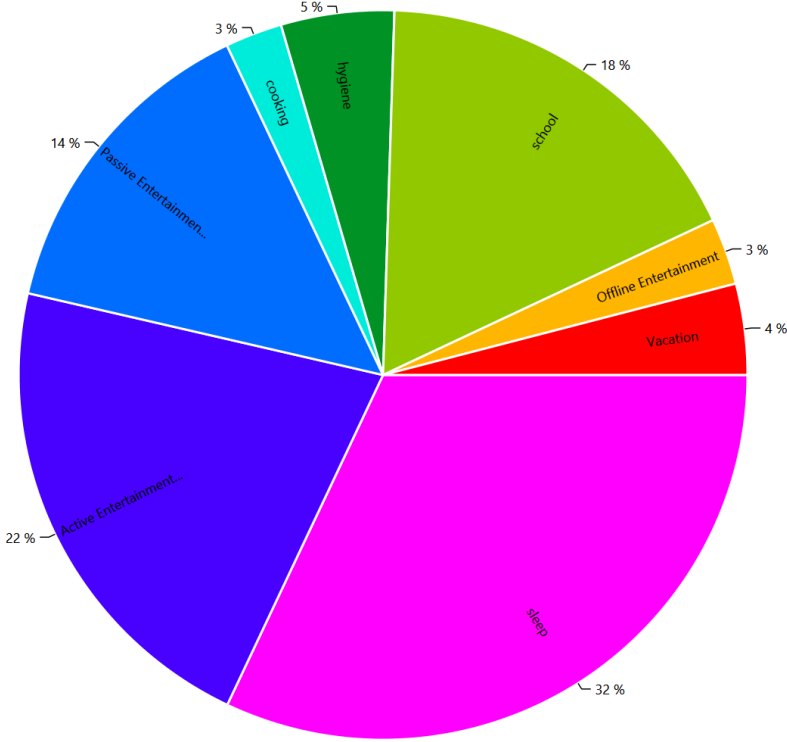
HH0 - CHR18 Rachel (35 Female)



HH0 - CHR18 Simon (8 Male)



HH0 - CHR18 Sora (12 Female)

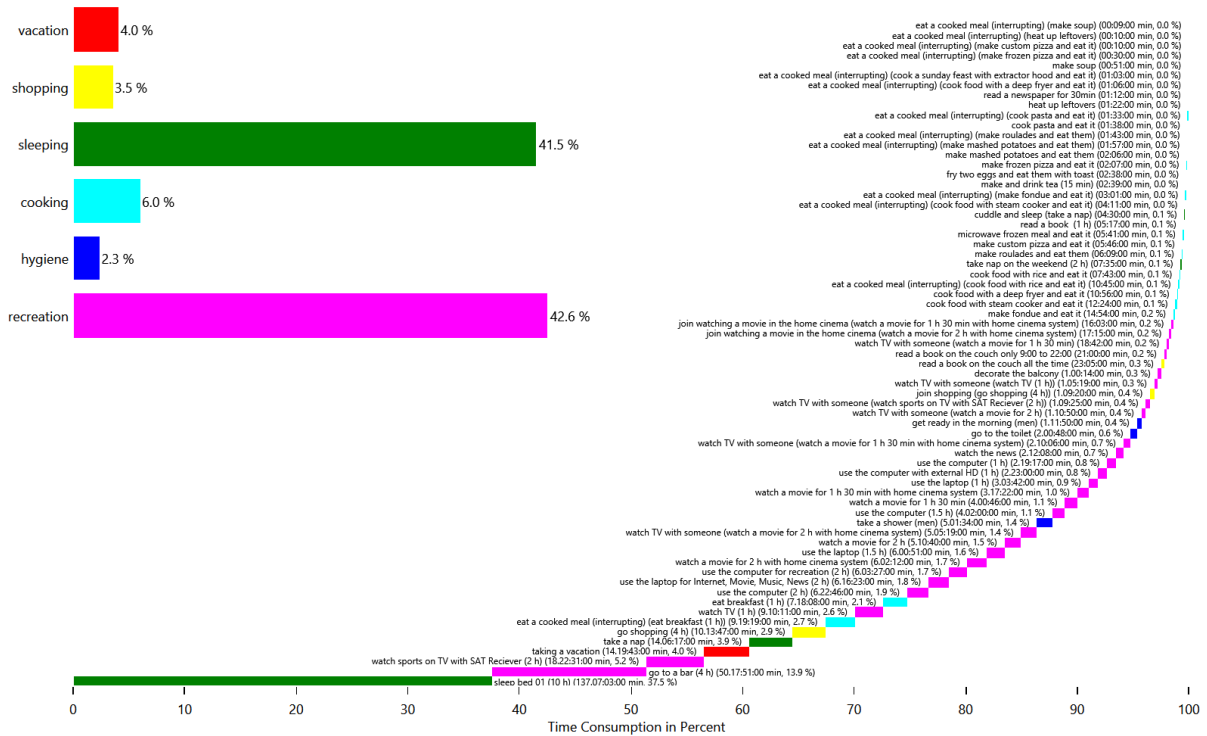


Time Use per Person per Affordance Per Person

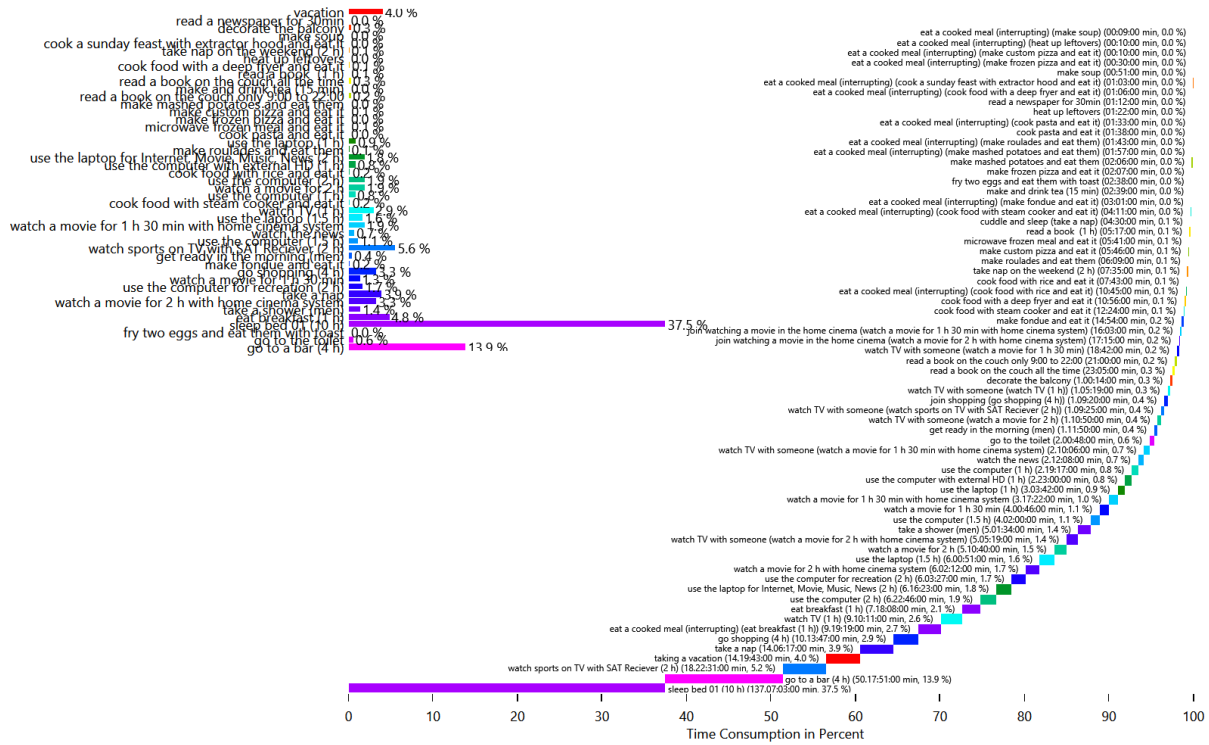
This is made from the files starting with: AffordanceTimeUse

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.

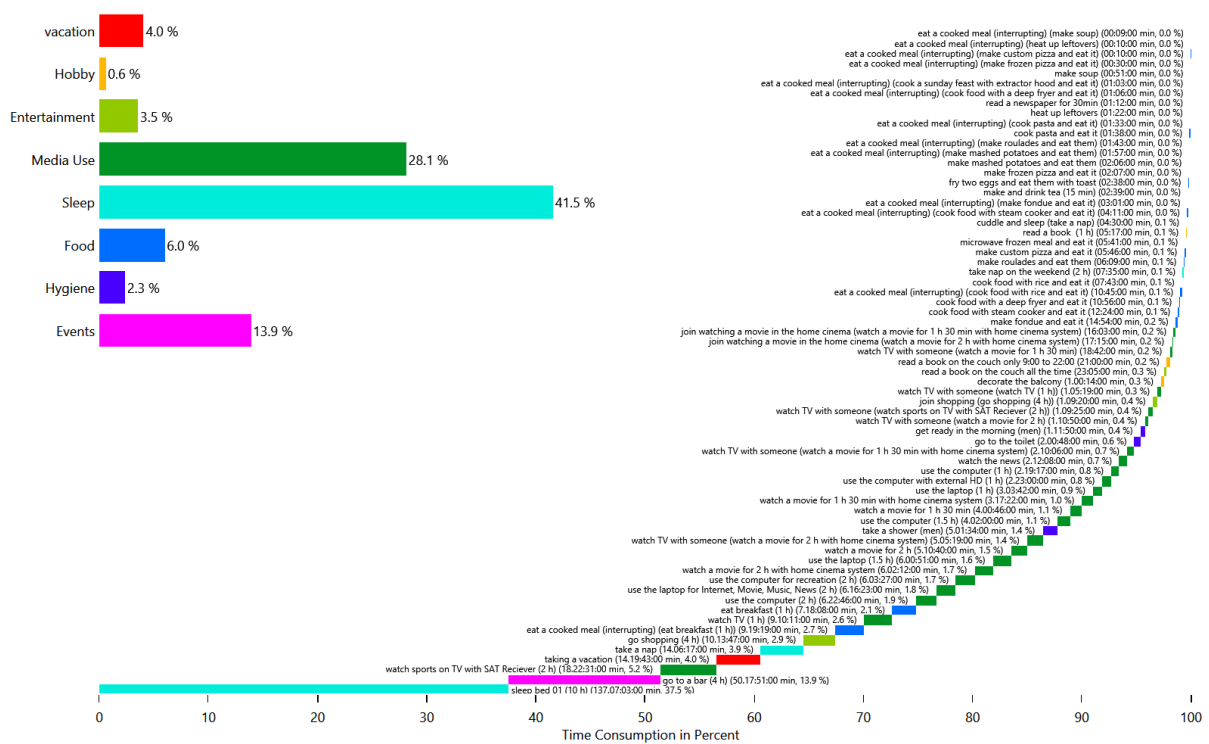
HH0 - CHR18 Dan (37 Male)



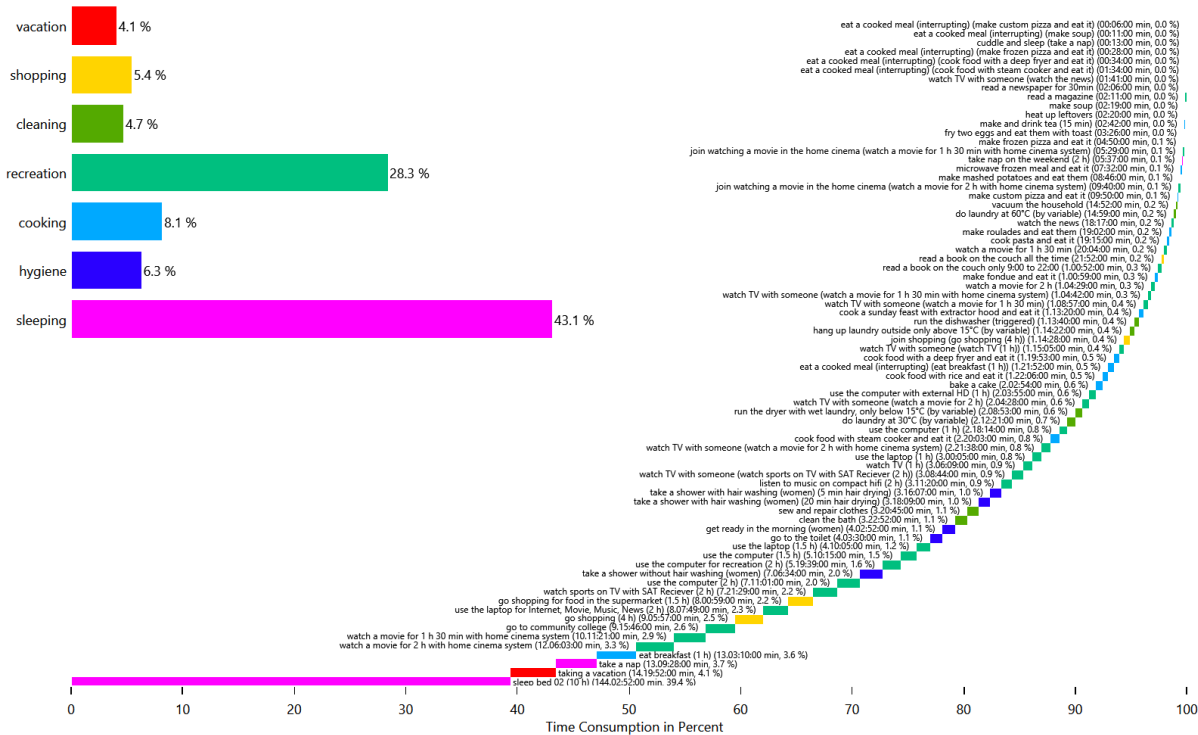
HH0 - CHR18 Dan (37 Male)



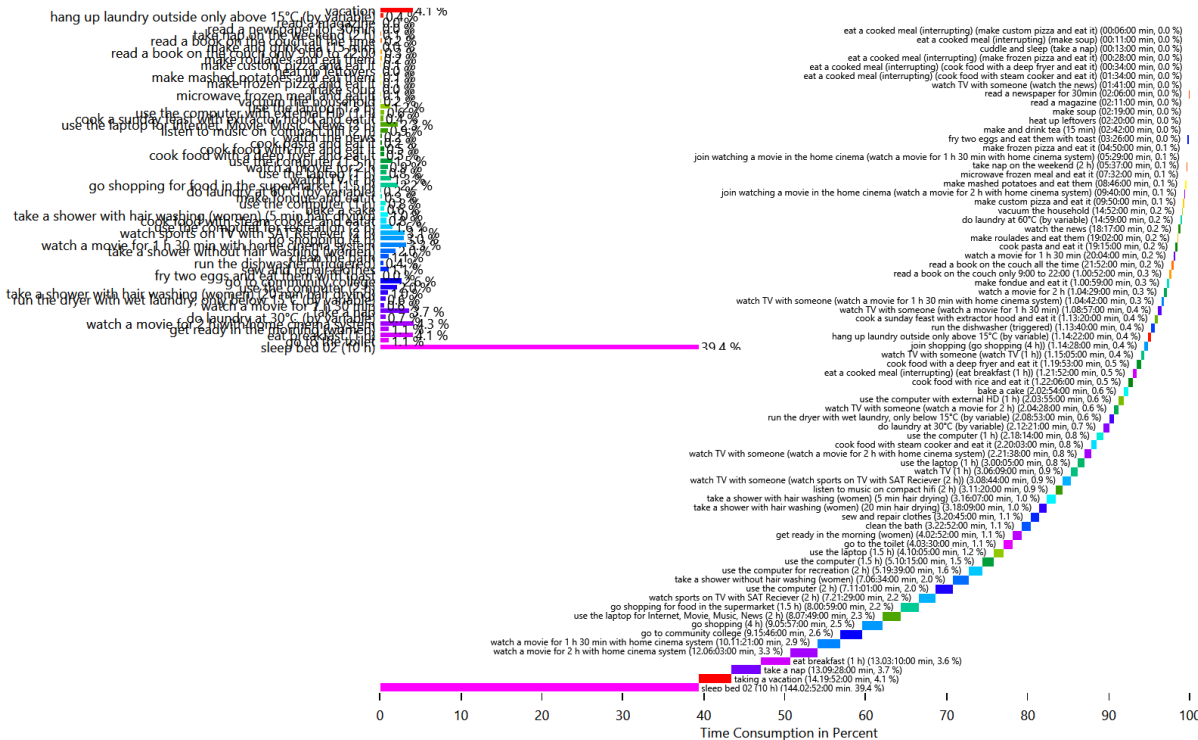
HH0 - CHR18 Dan (37 Male)



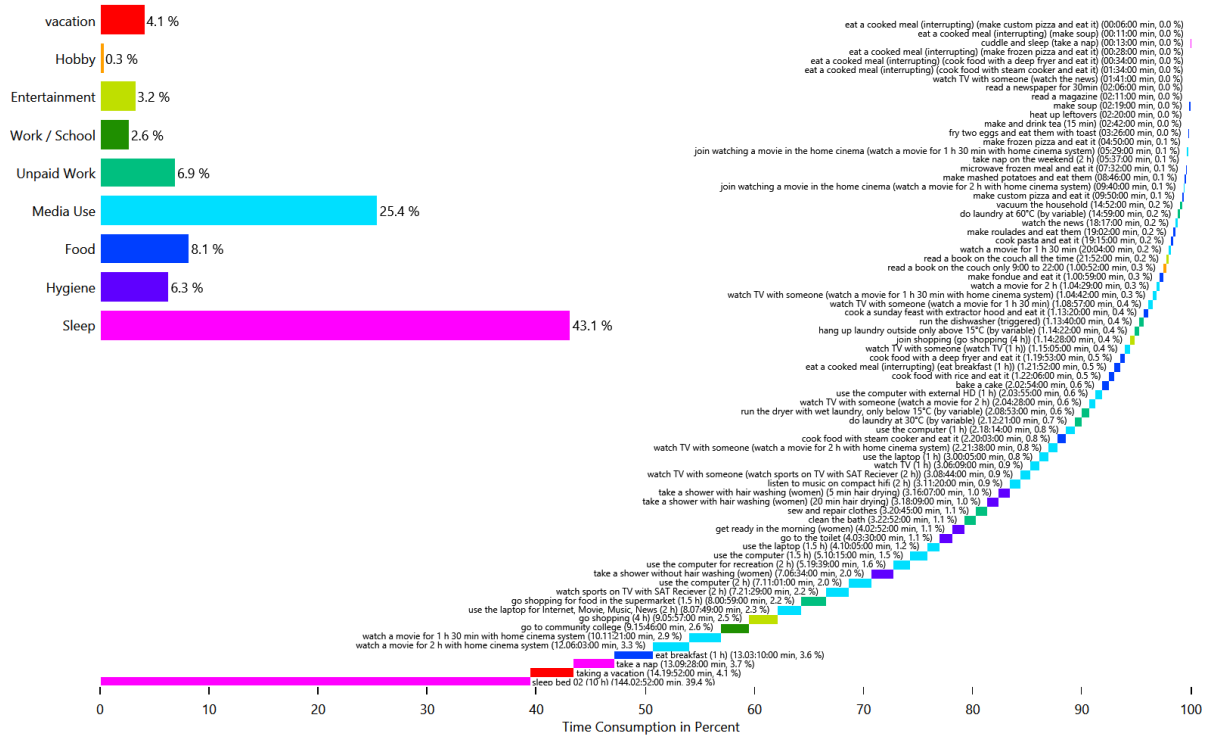
HH0 - CHR18 Rachel (35 Female)



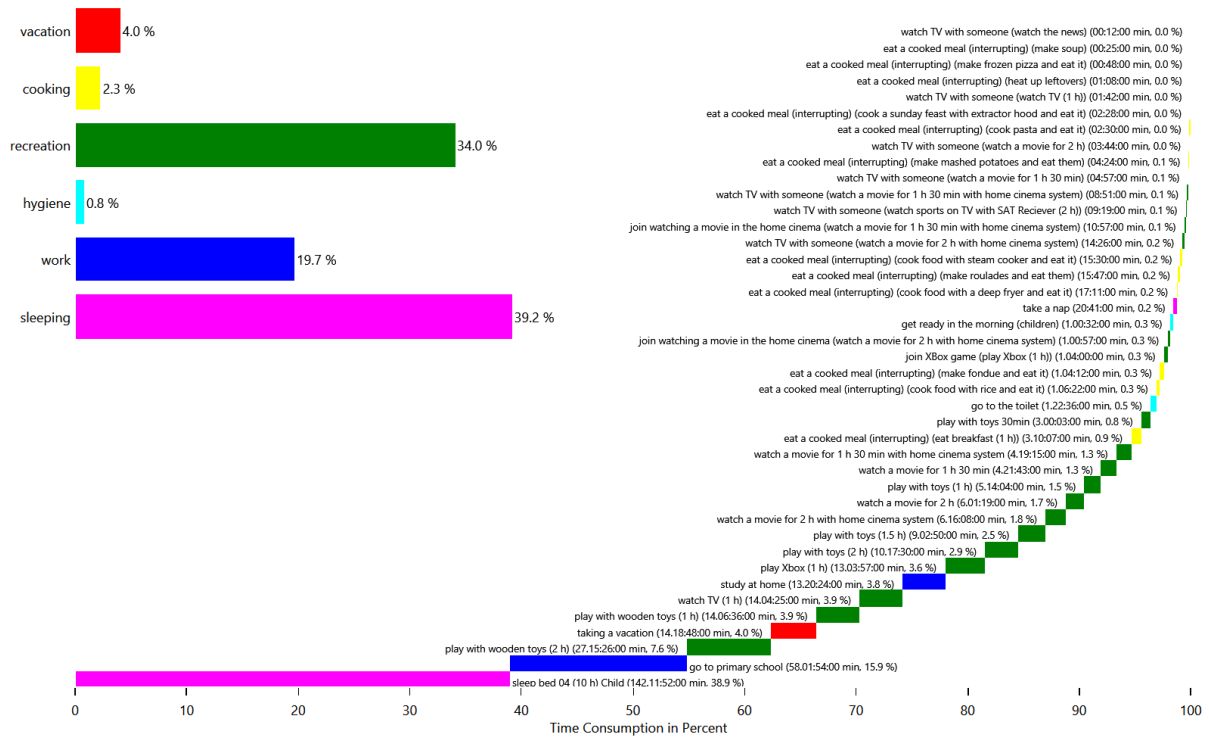
HH0 - CHR18 Rachel (35 Female)



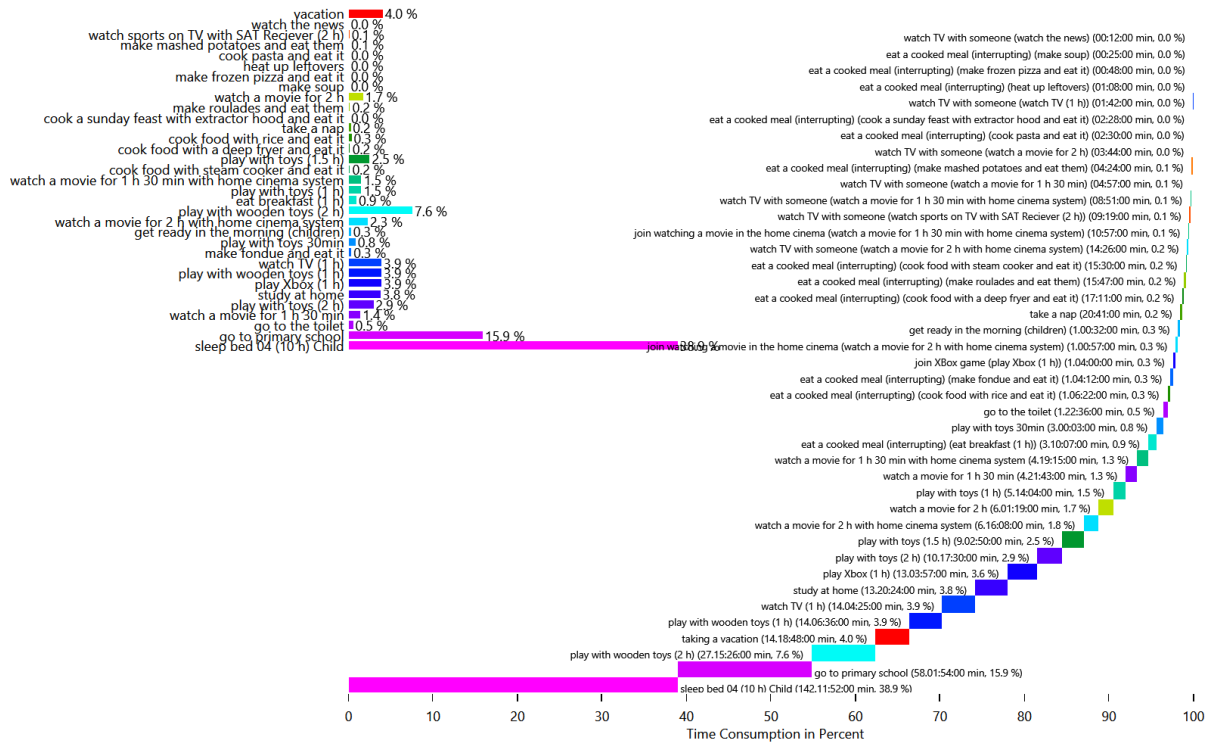
HH0 - CHR18 Rachel (35 Female)



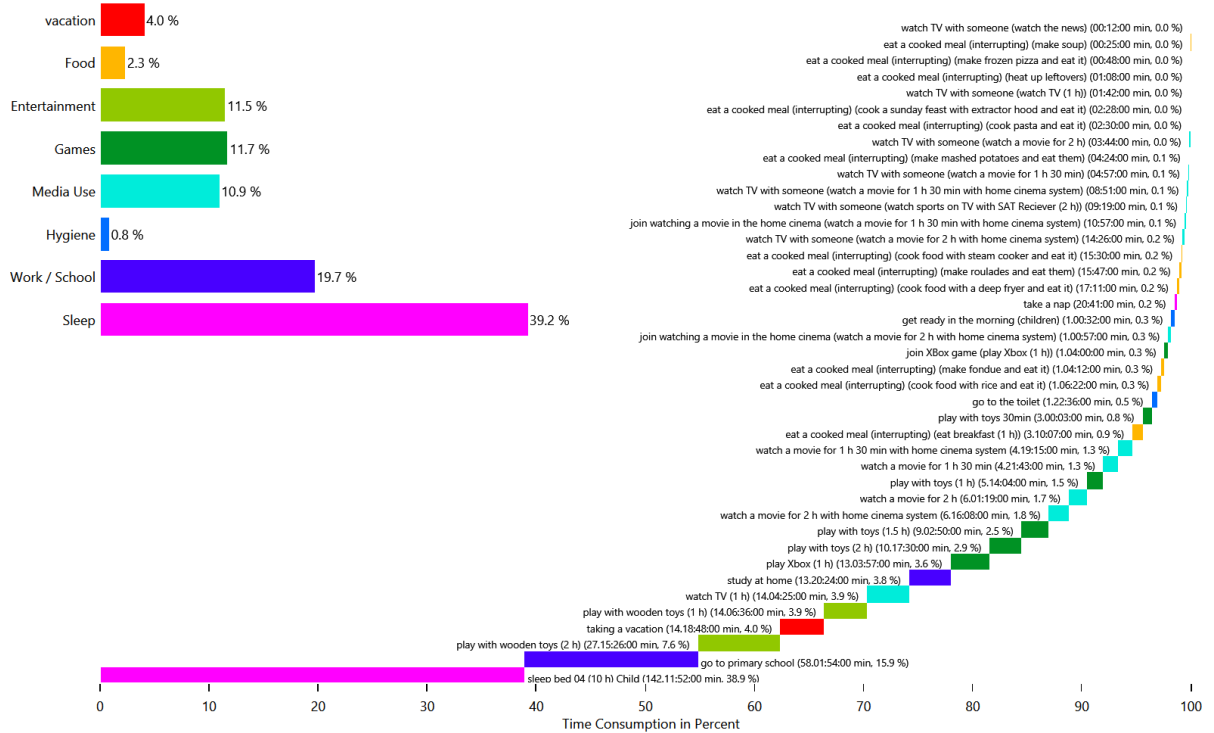
HH0 - CHR18 Simon (8 Male)



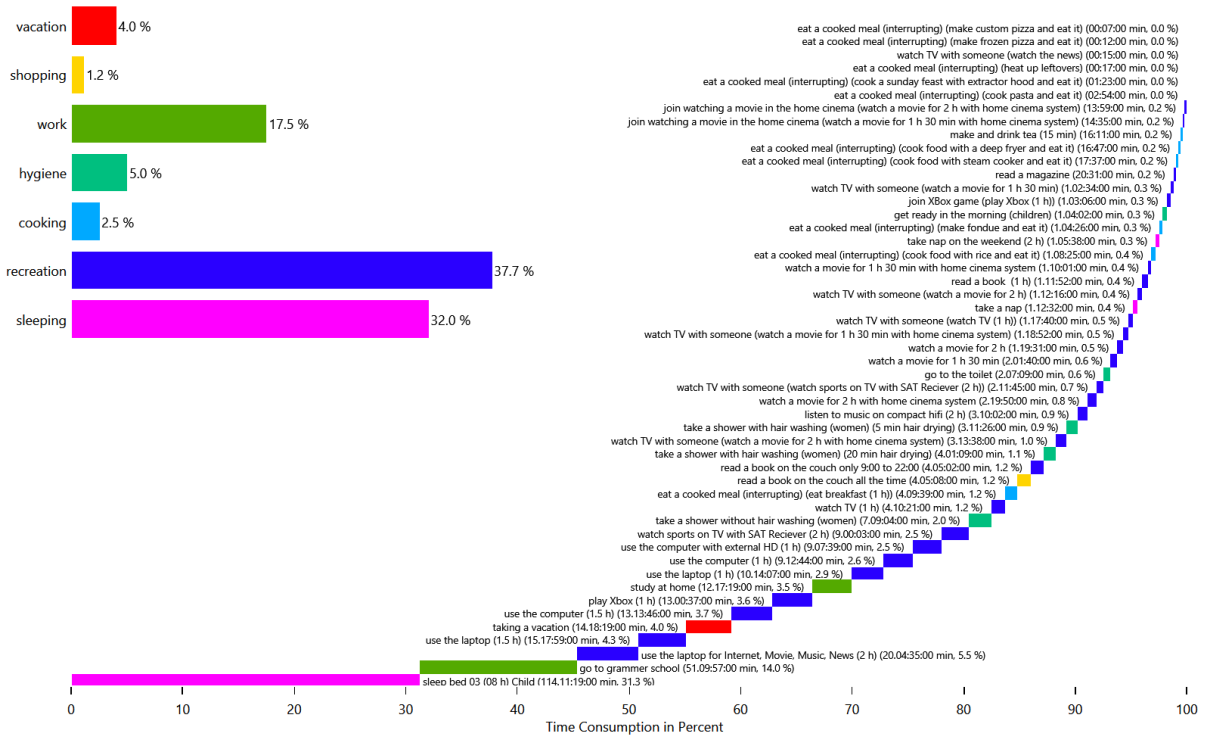
HH0 - CHR18 Simon (8 Male)



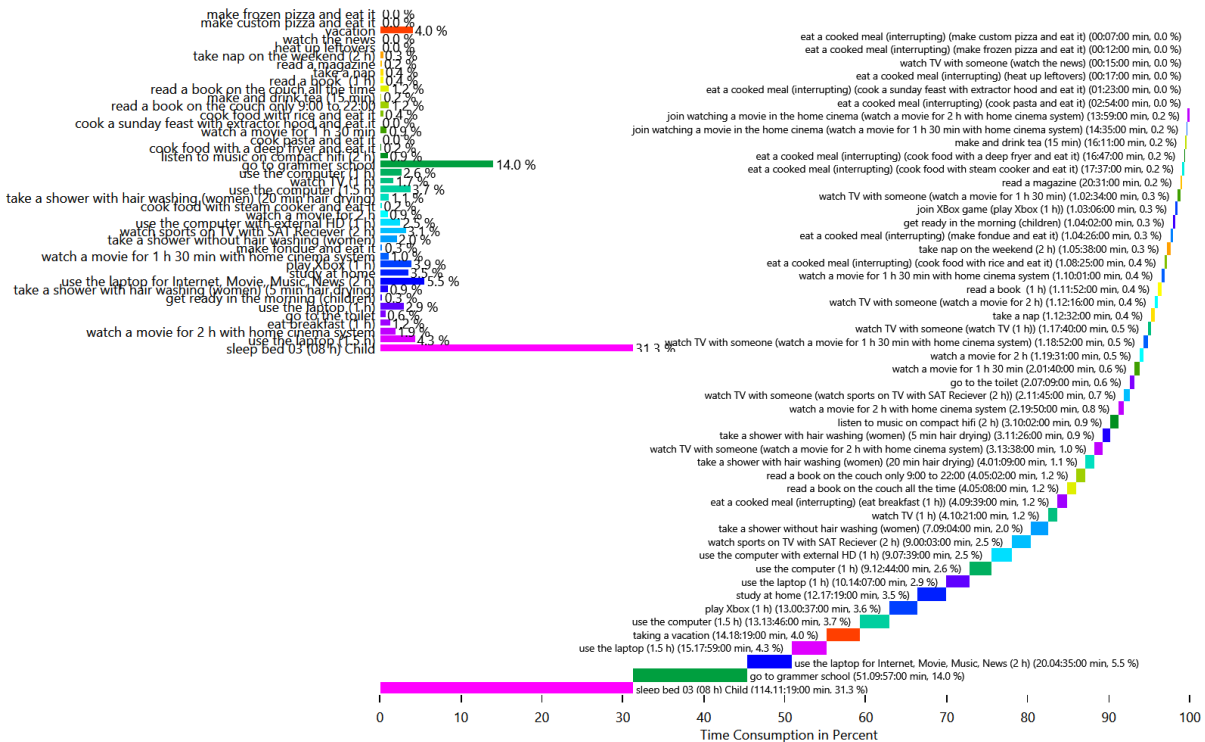
HH0 - CHR18 Simon (8 Male)



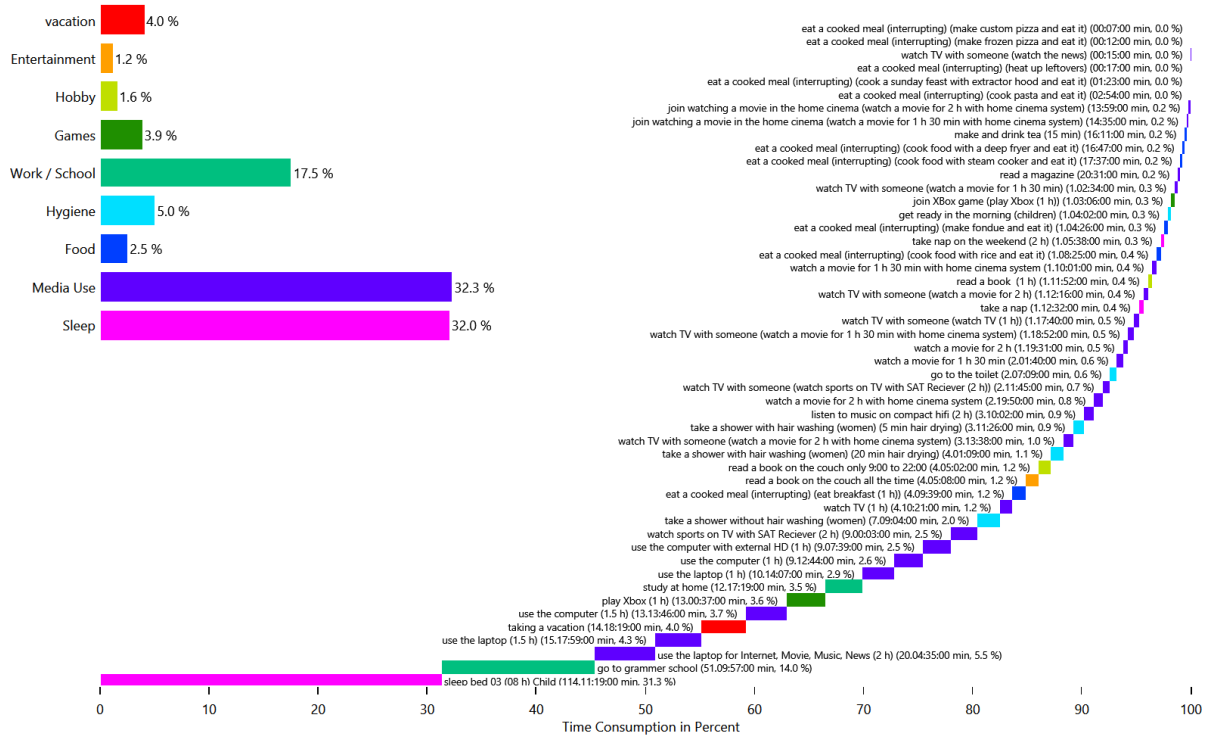
HH0 - CHR18 Sora (12 Female)



HH0 - CHR18 Sora (12 Female)



HH0 - CHR18 Sora (12 Female)

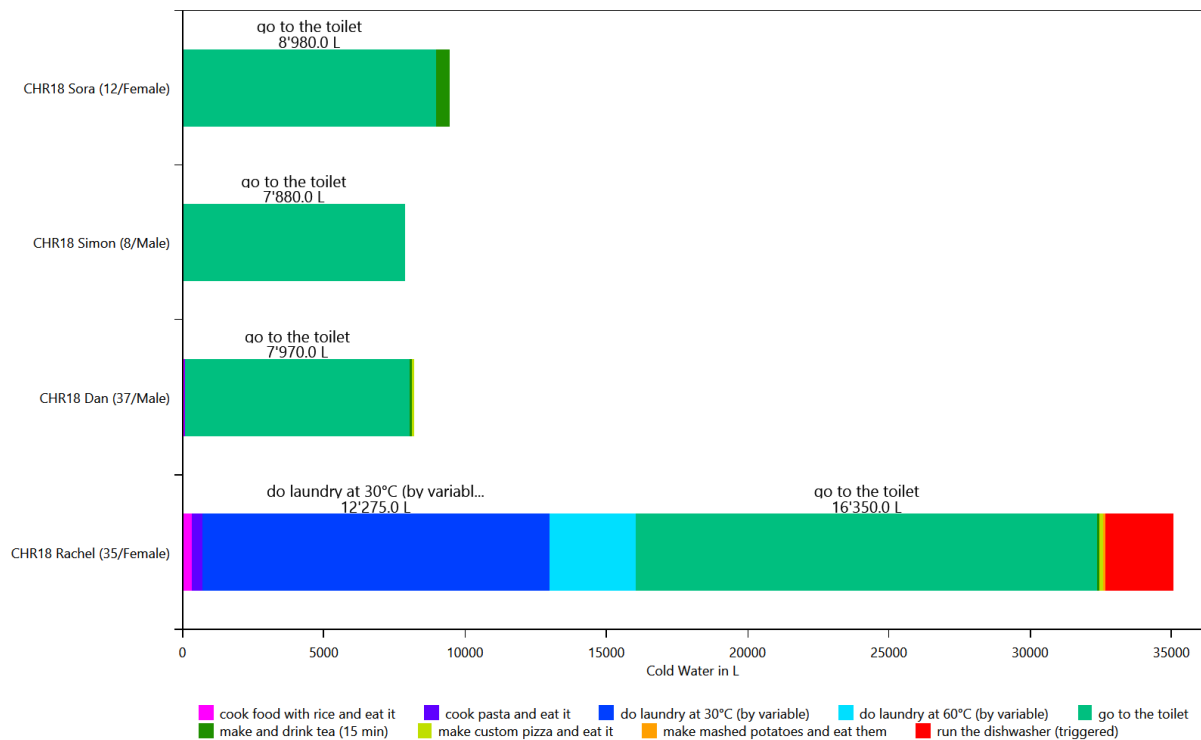


Energy use per person per affordance

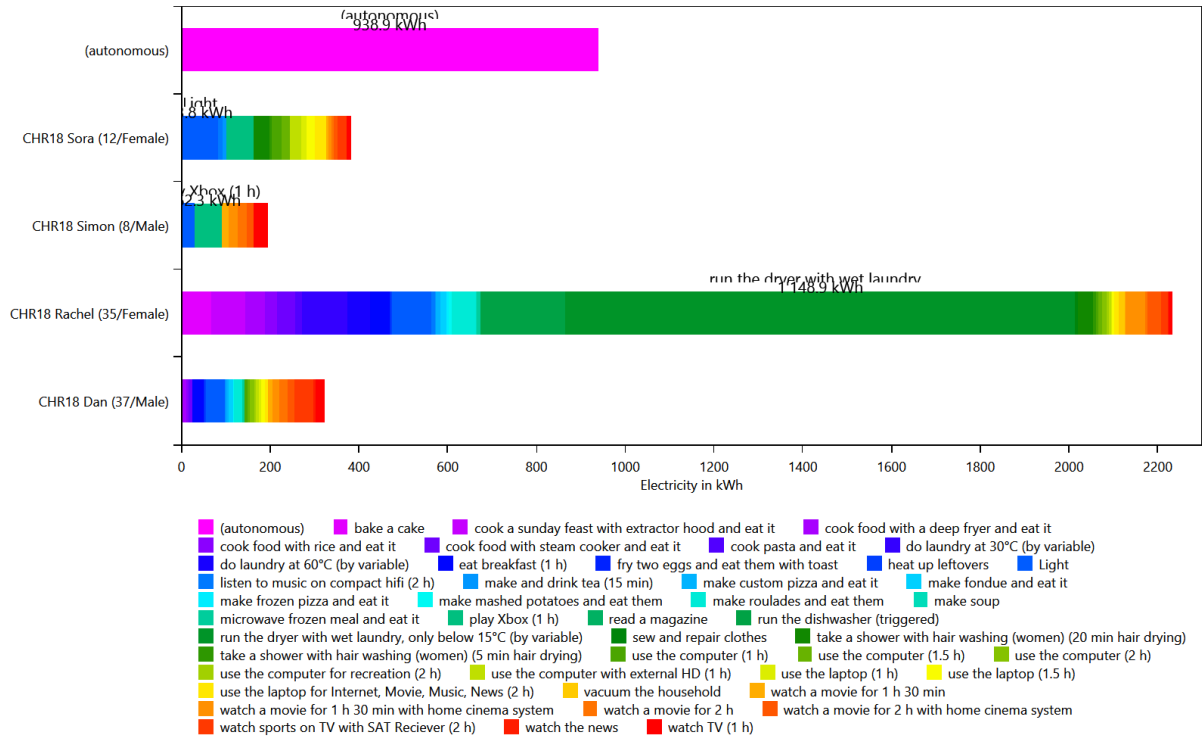
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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.

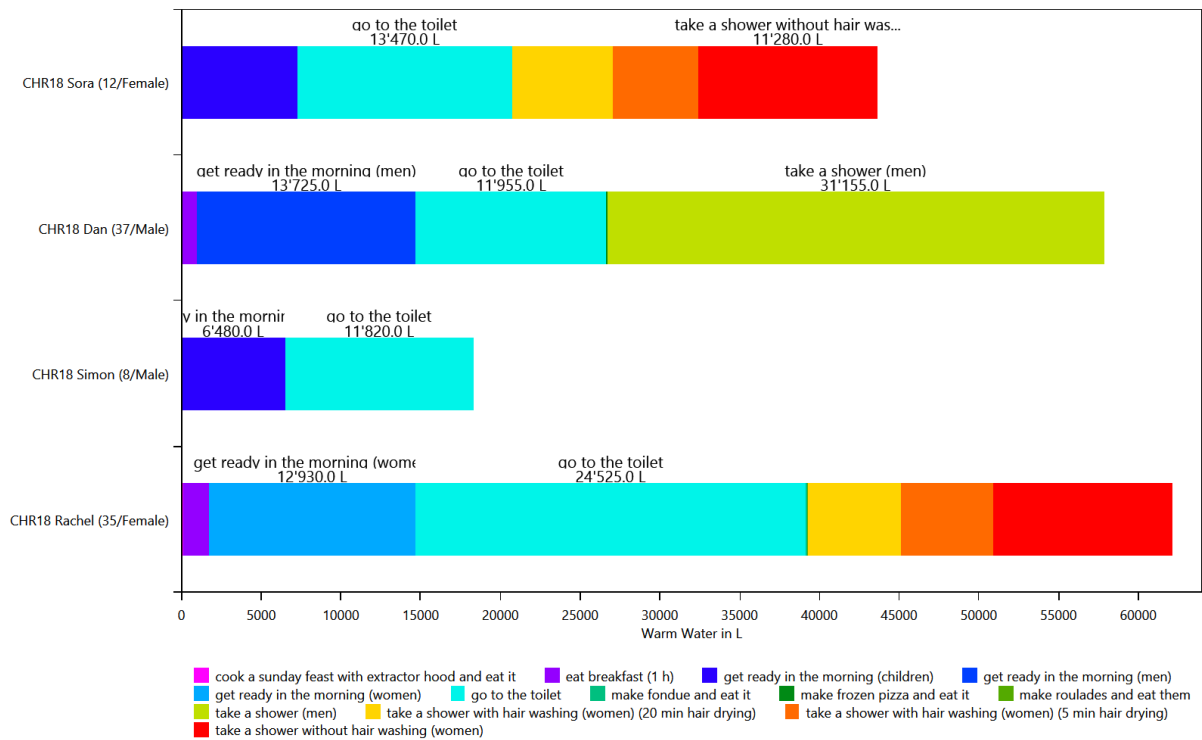
HH0 - Cold Water



HH0 - Electricity



HH0 - Warm Water

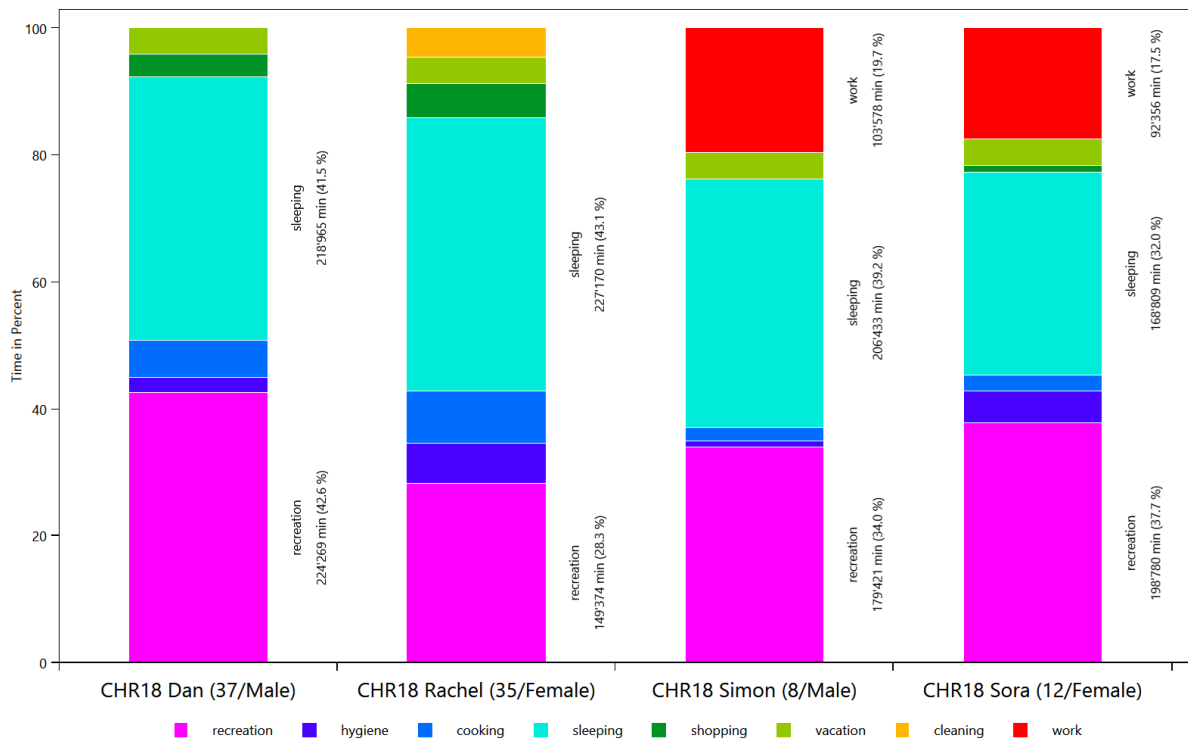


Time Use per Person Per Affordance according to different category definitions

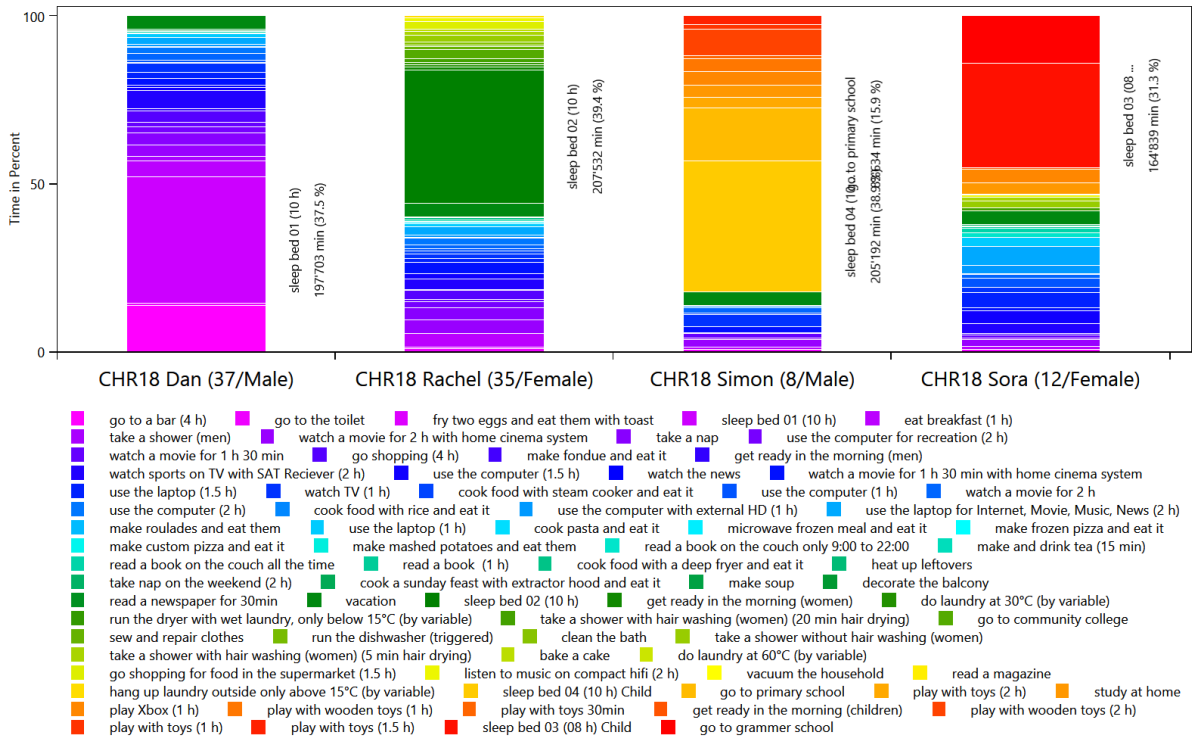
This is made from the files starting with: AffordanceTaggingSet

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.

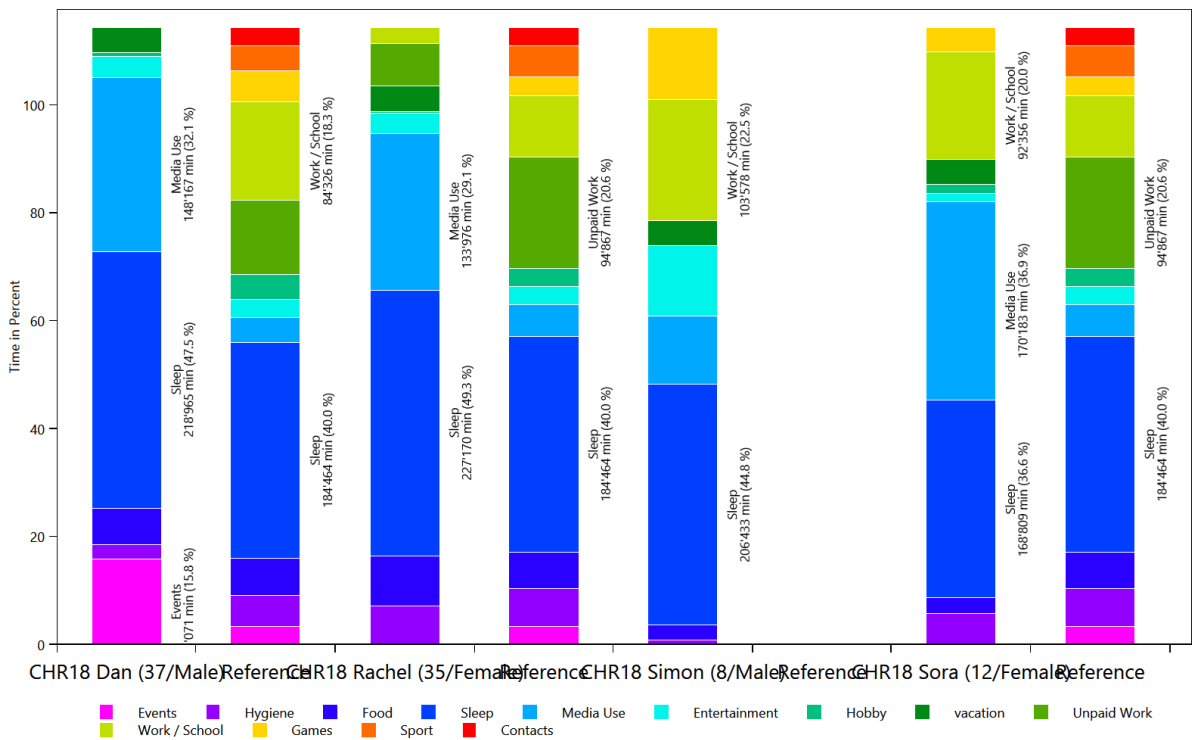
Basic Tagging - HH0



Tagging Set For Planning - HHO



Wo bleibt die Zeit - HHO

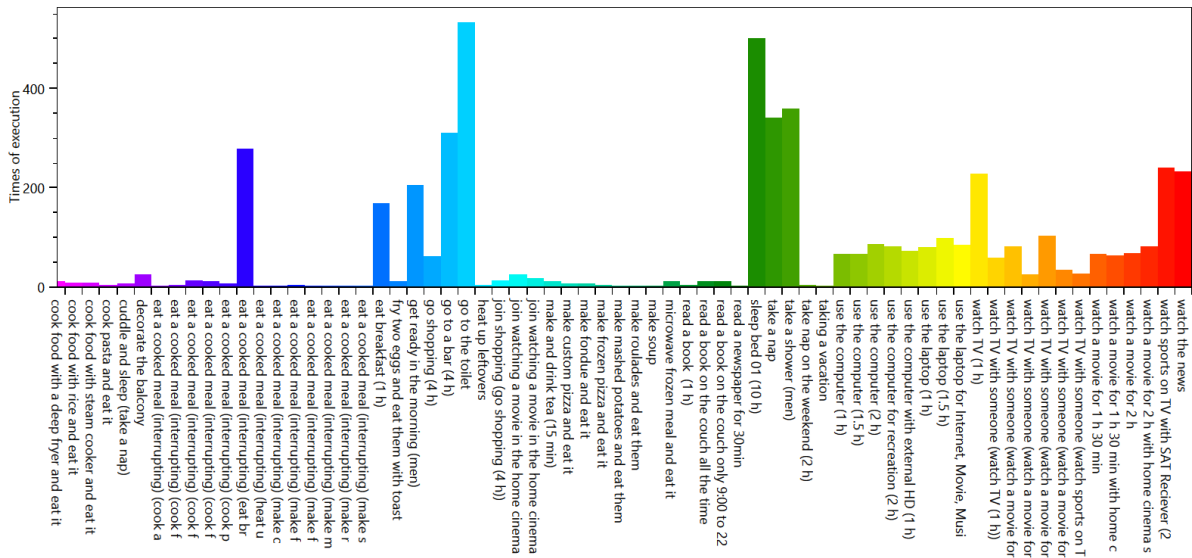


Overview of the actions of each member of the household

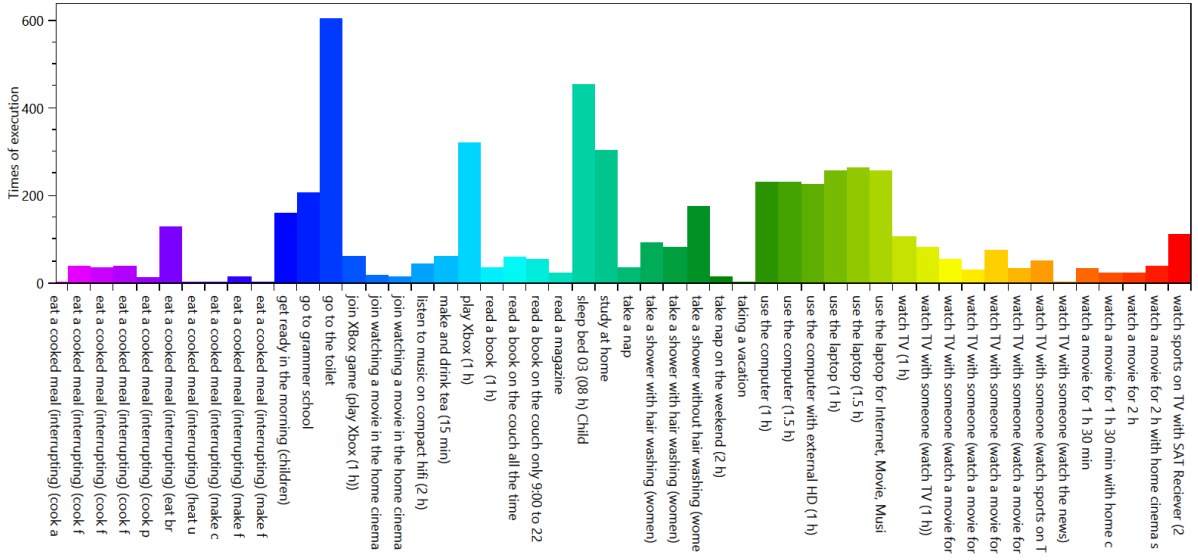
This is made from the files starting with: ExecutedActionsOverviewCount

These charts show how often each affordance was executed.

HH0 - CHR18 Dan (37 Male)



HH0 - CHR18 Sora (12 Female)

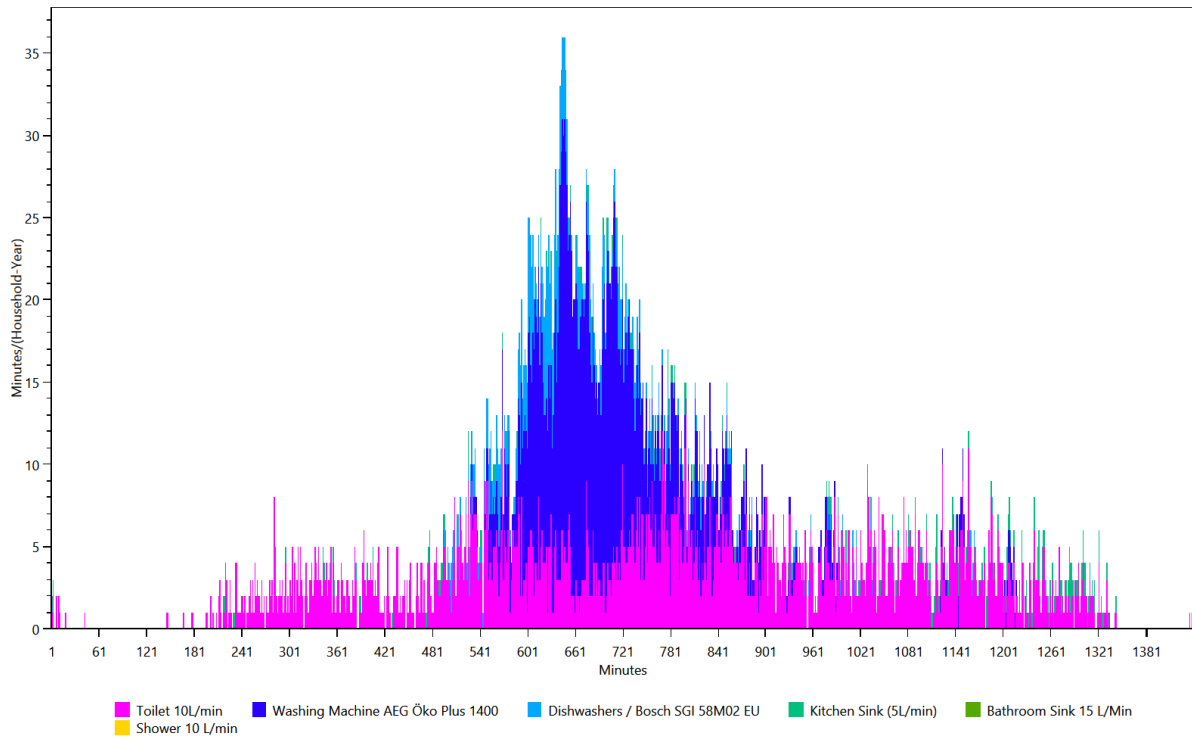


Overview of the time of the use per load type per device

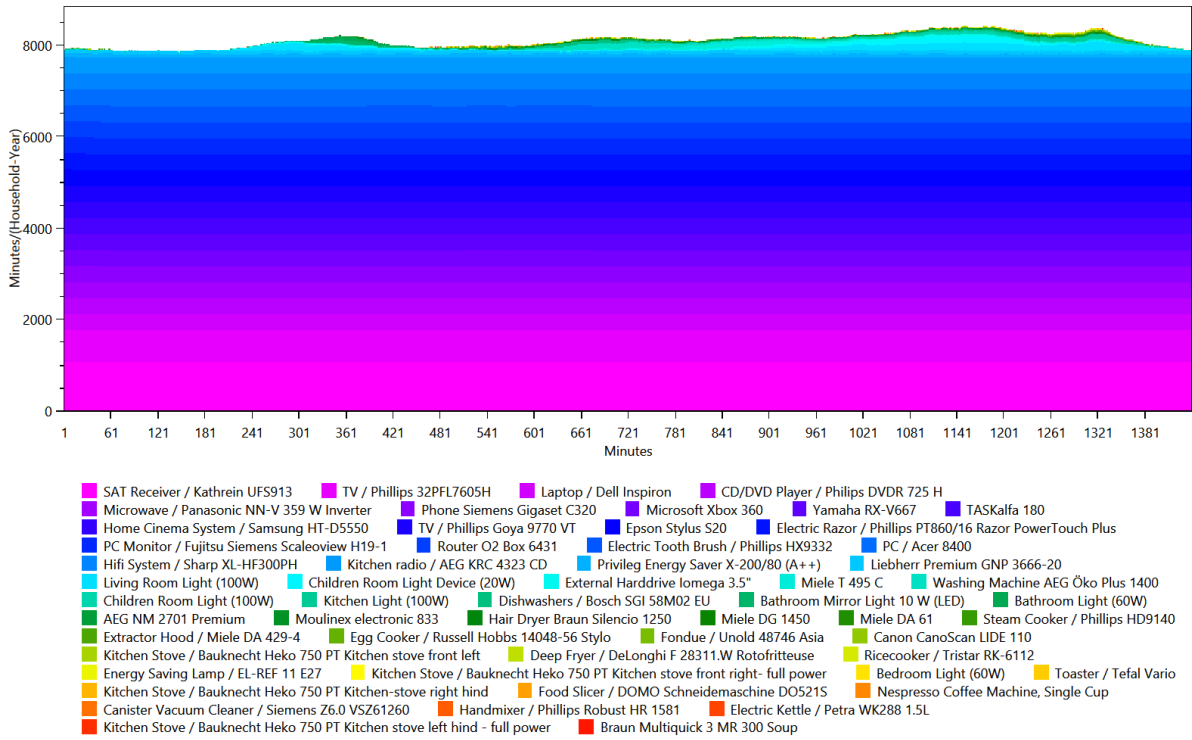
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

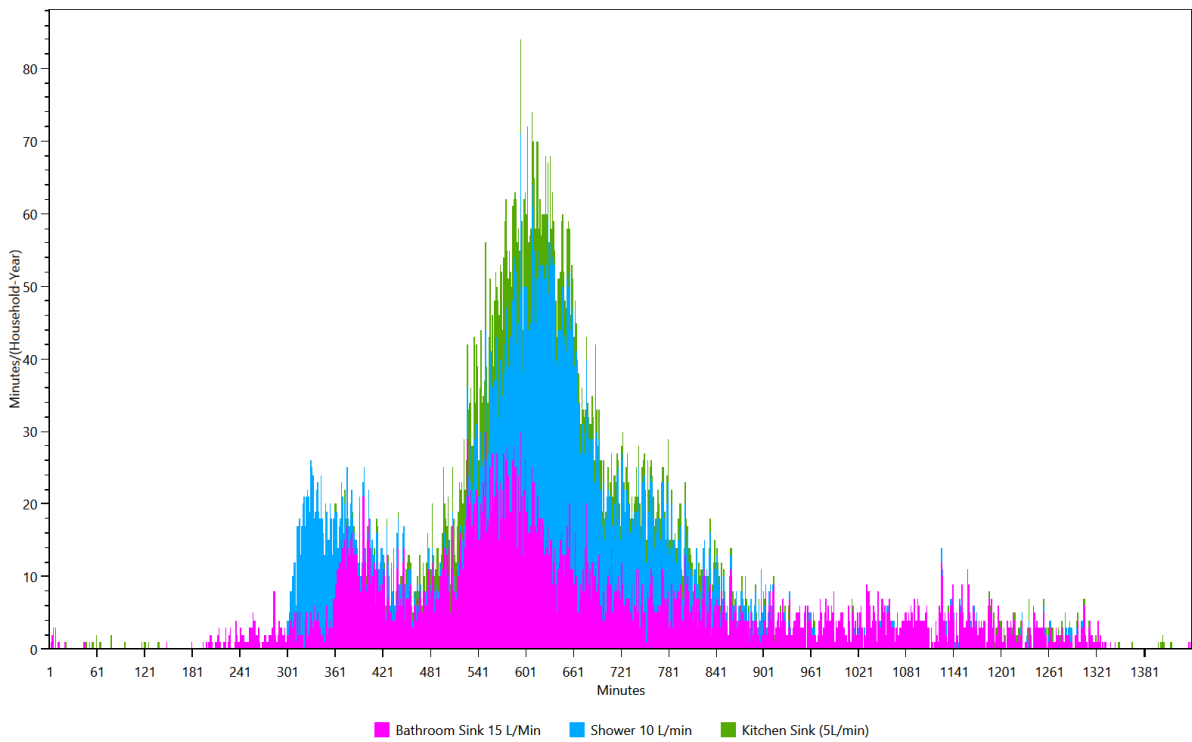
Cold Water



Electricity



Warm Water

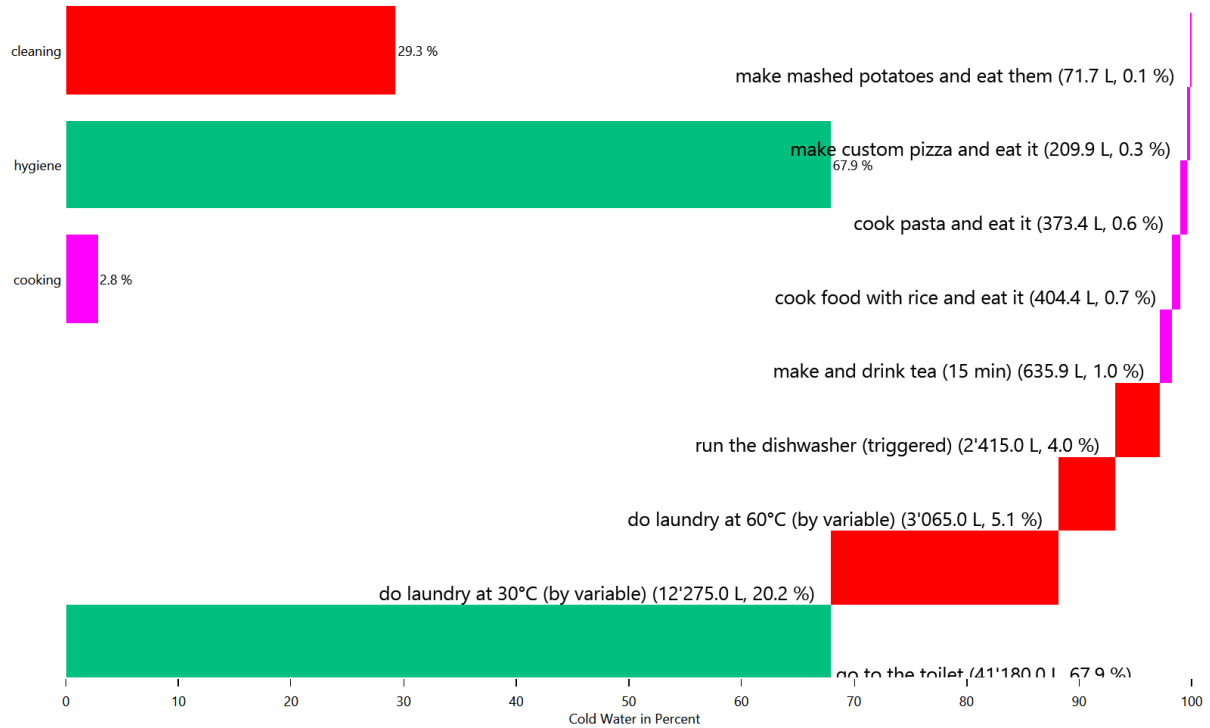


Energy/Resource use distribution per load type per affordance

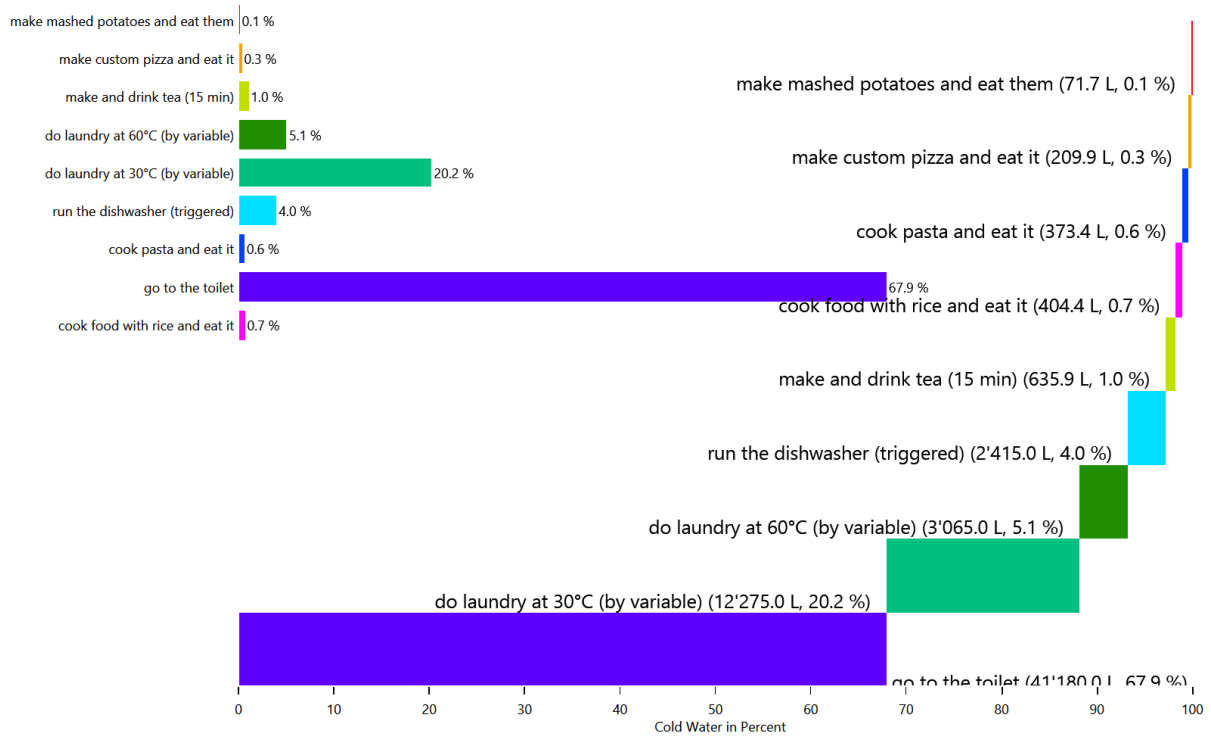
This is made from the files starting with: AffordanceEnergyUse

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

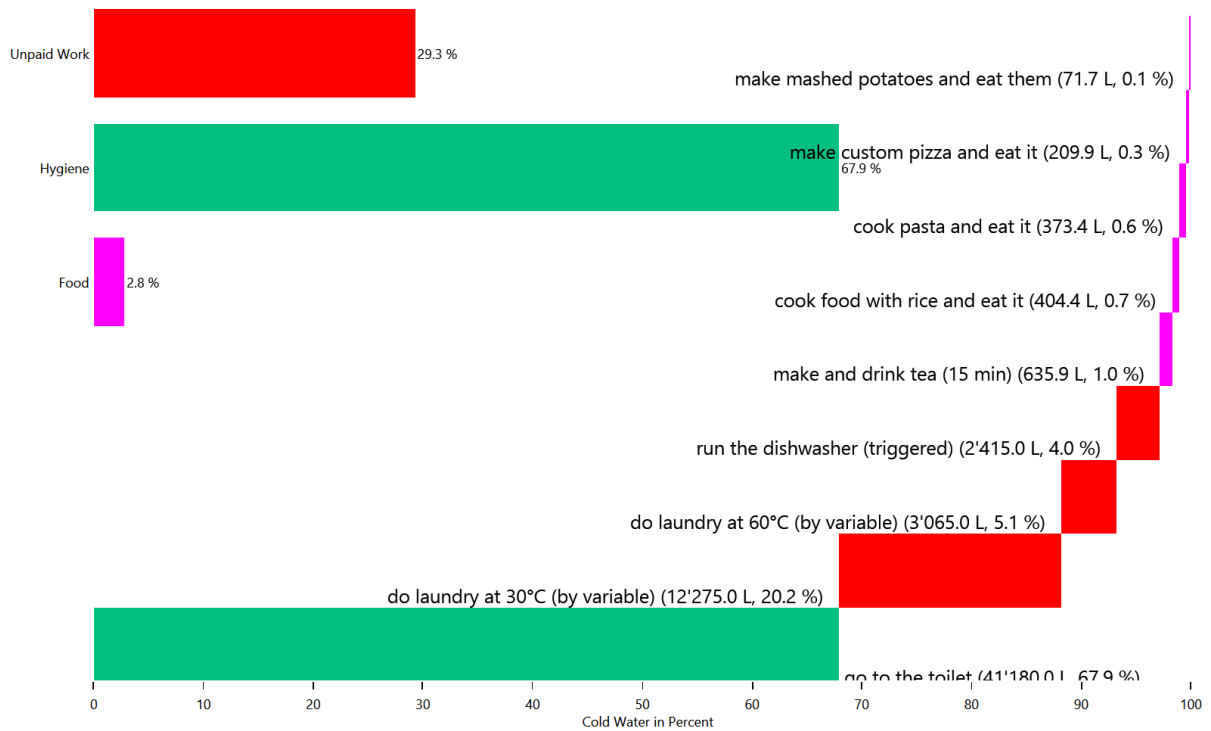
HH0 - Cold Water



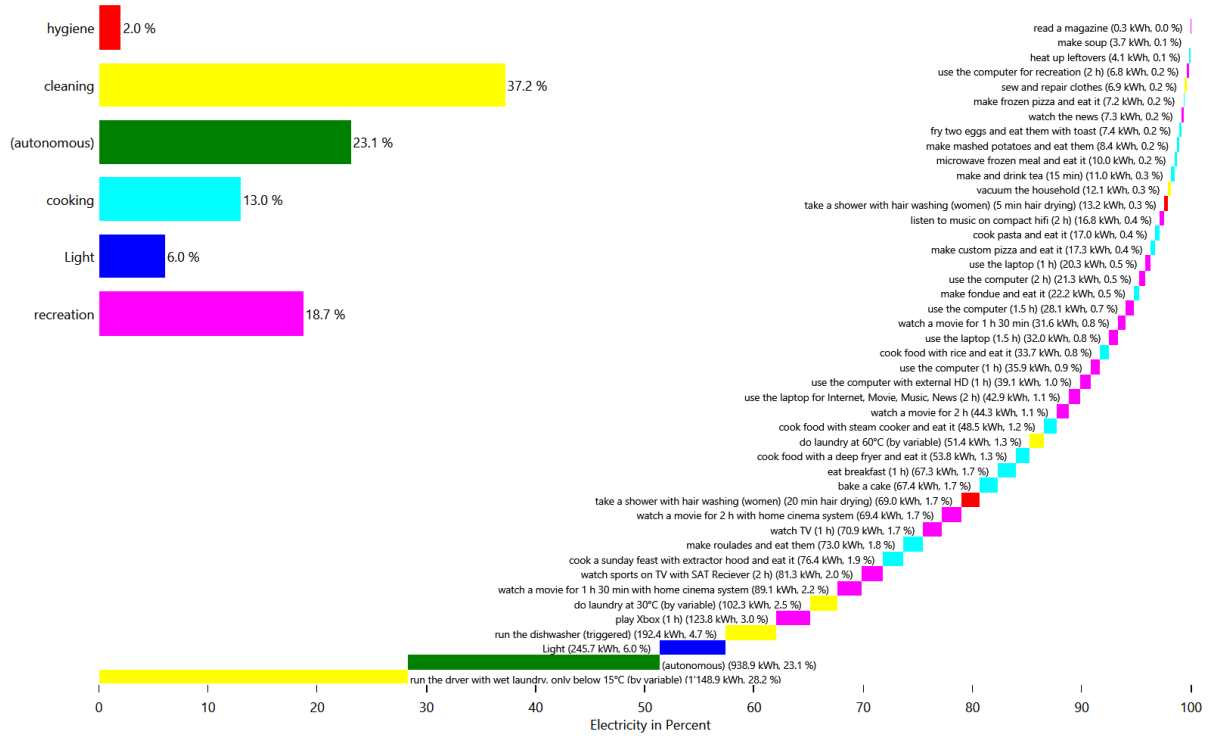
HH0 - Cold Water



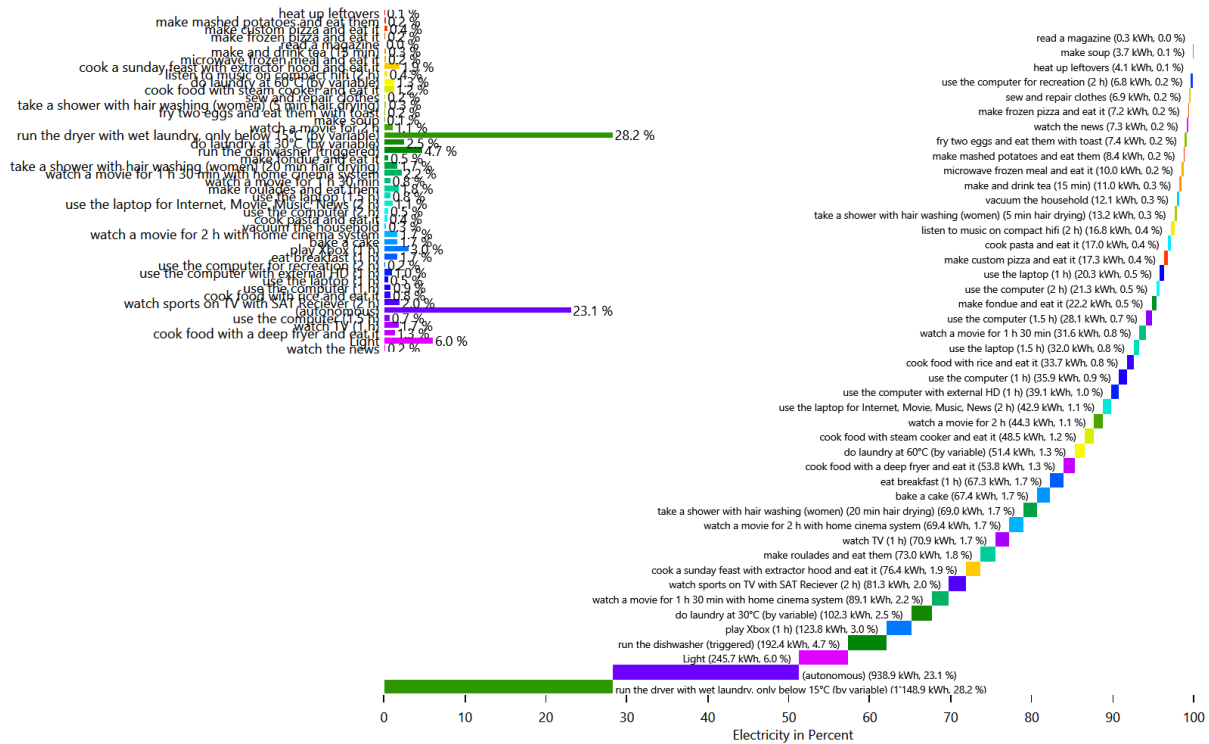
HH0 - Cold Water



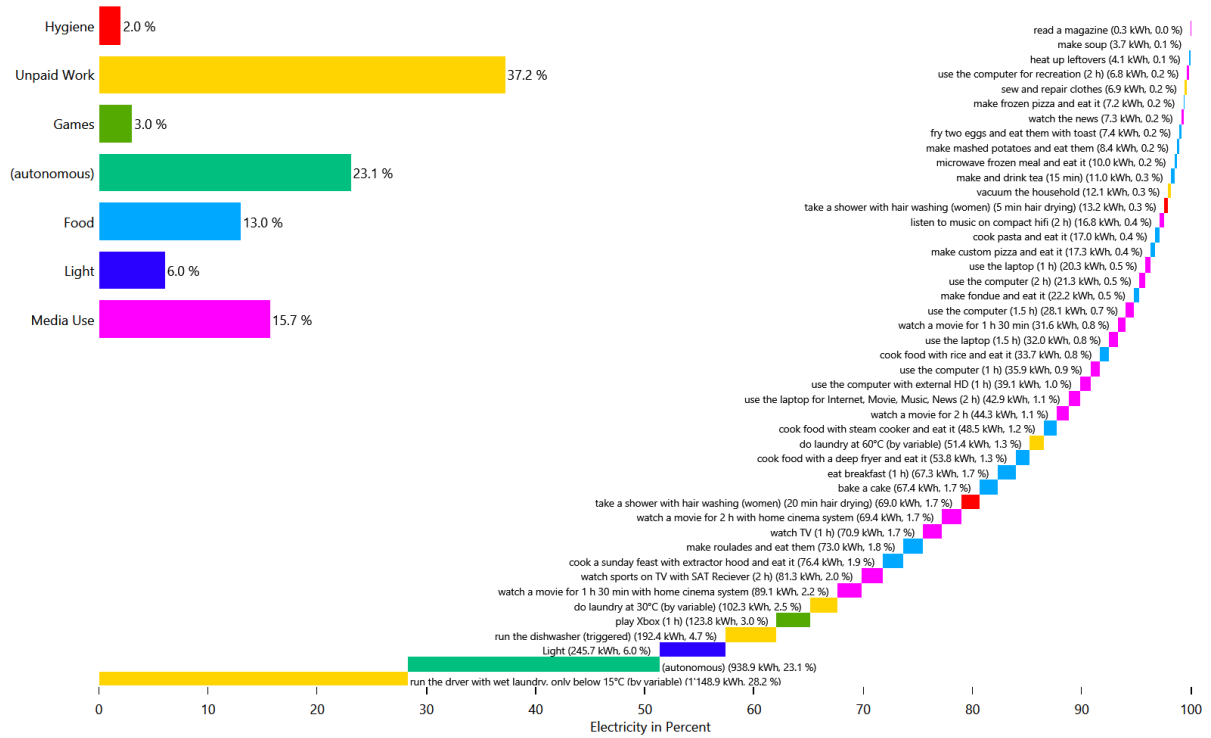
HH0 - Electricity



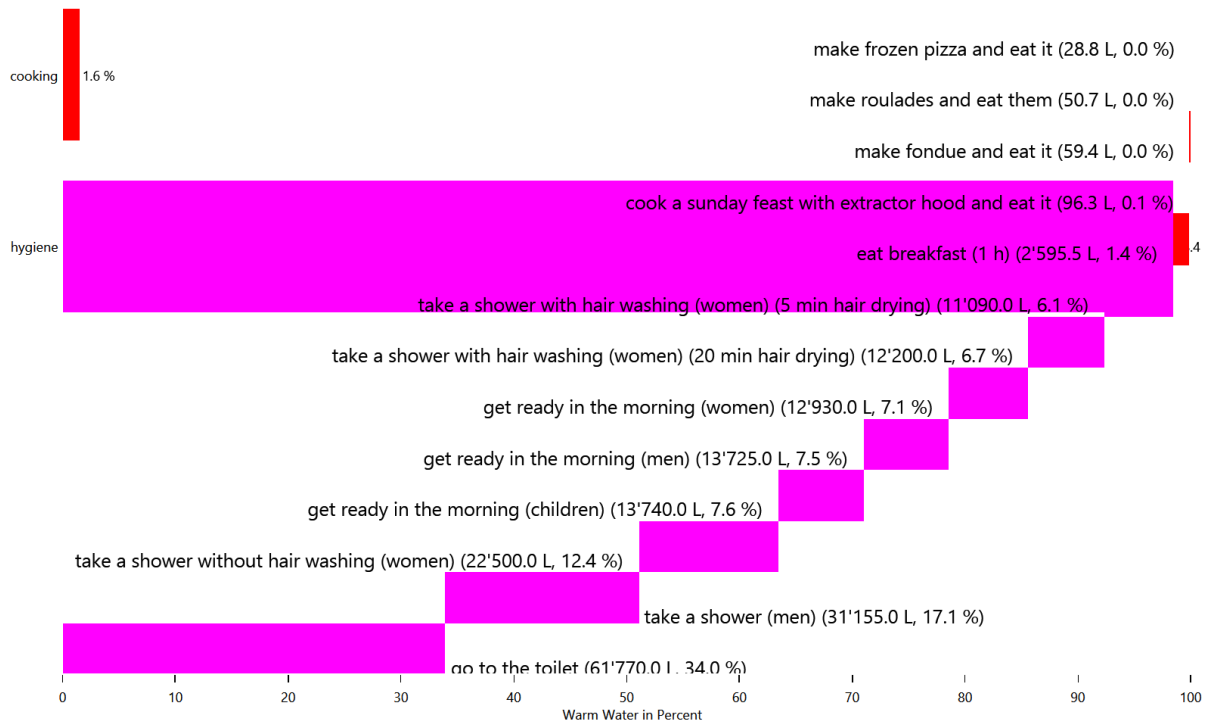
HH0 - Electricity



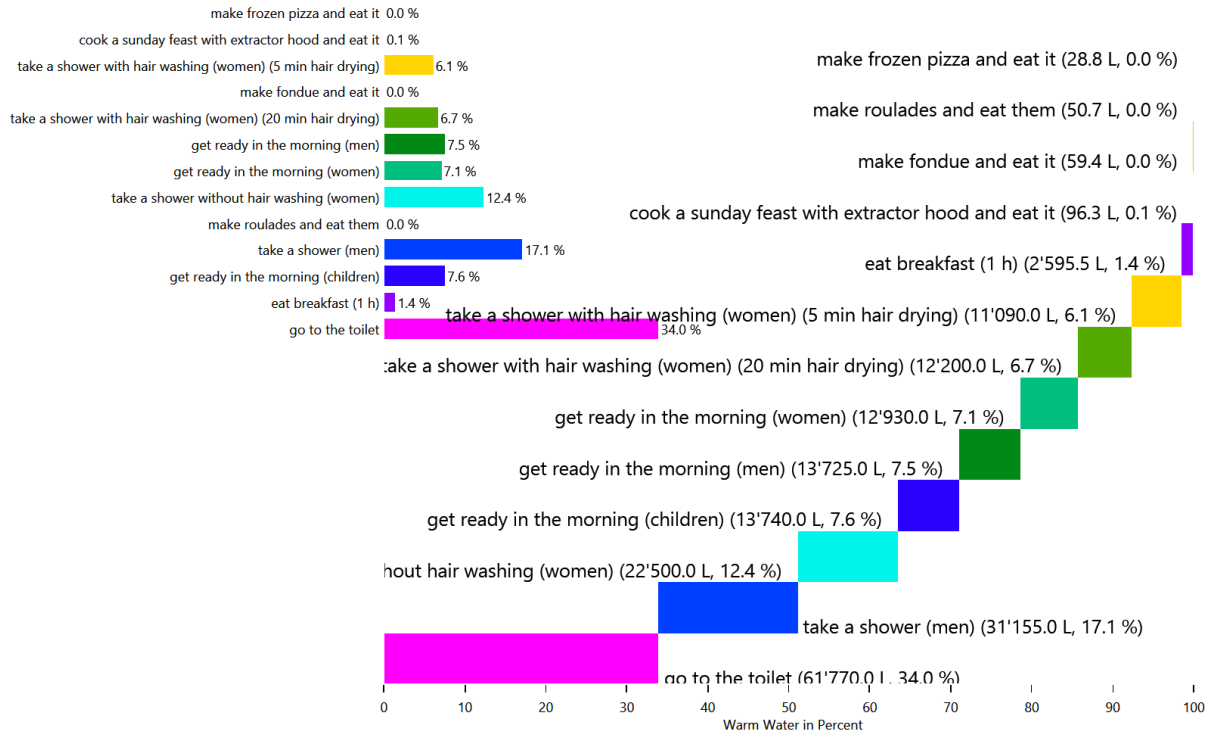
HH0 - Electricity



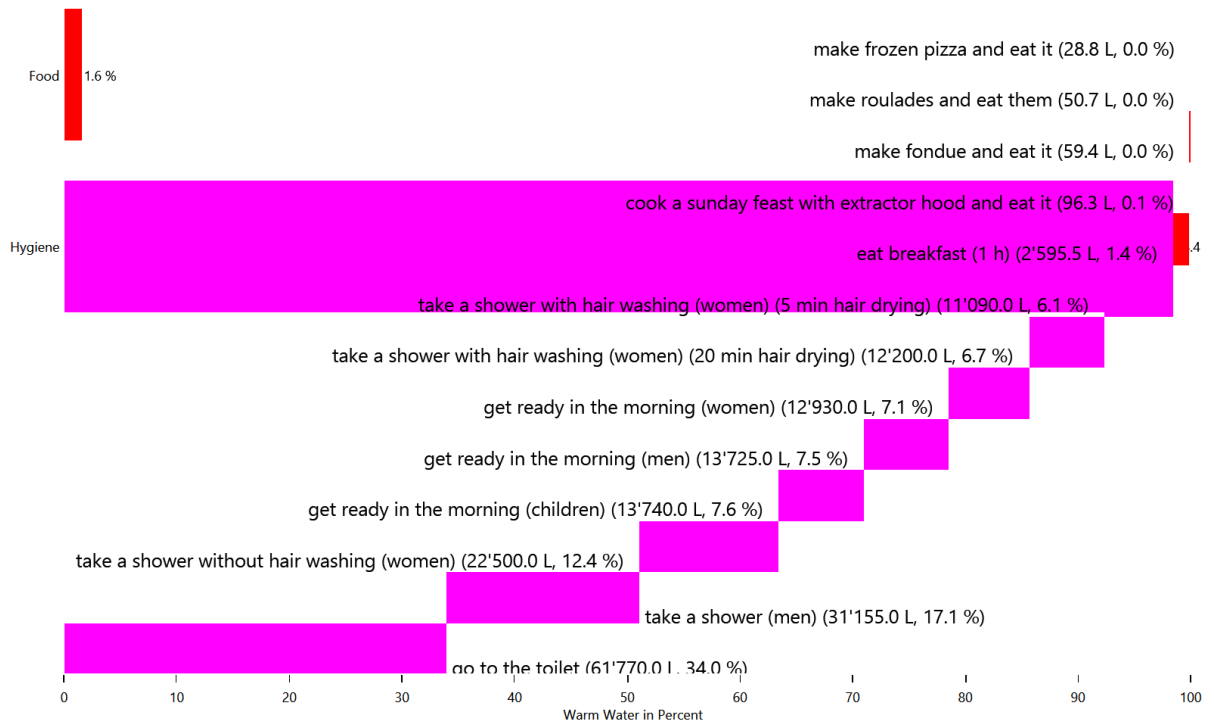
HH0 - Warm Water



HH0 - Warm Water



HH0 - Warm Water

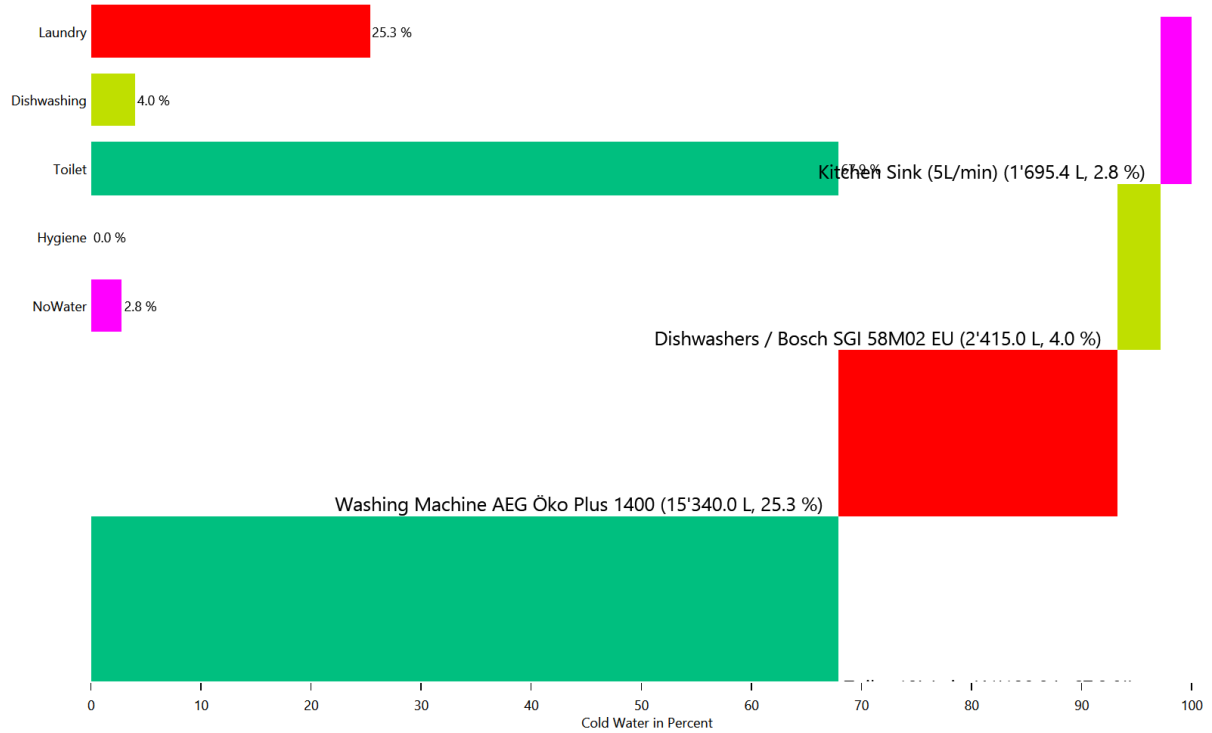


Energy use for each load type for each device

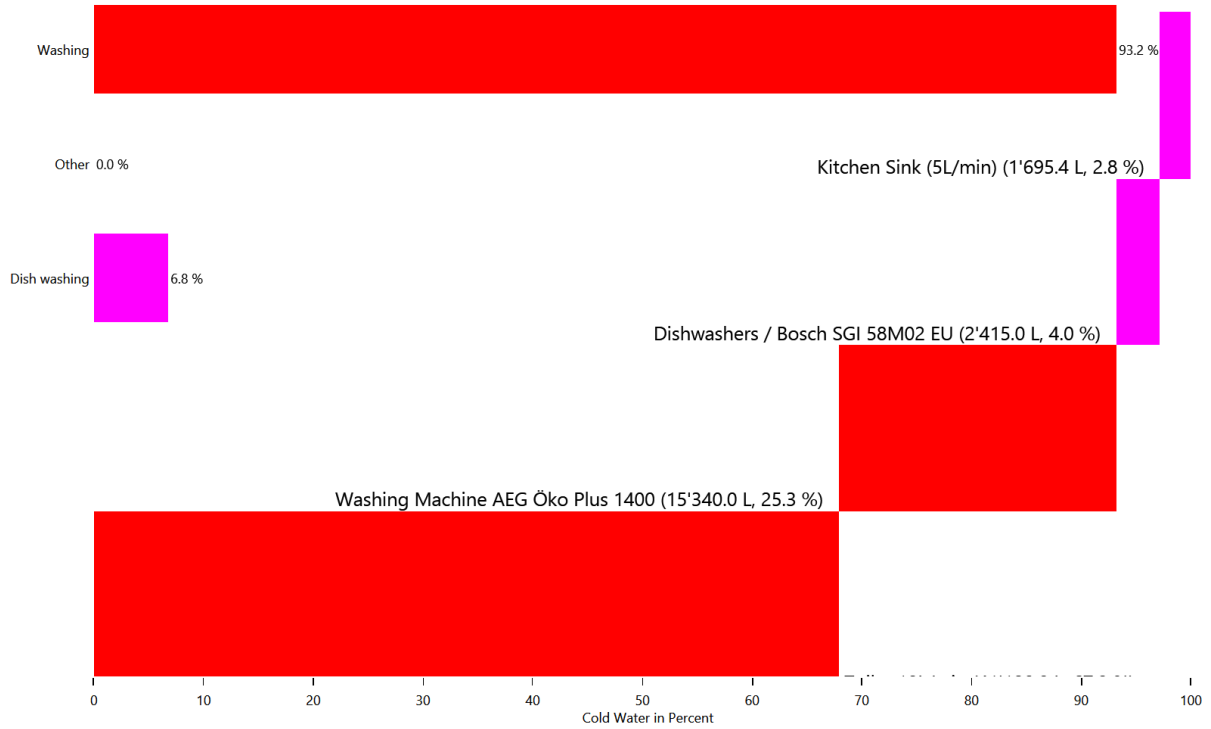
This is made from the files starting with: DeviceSums

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

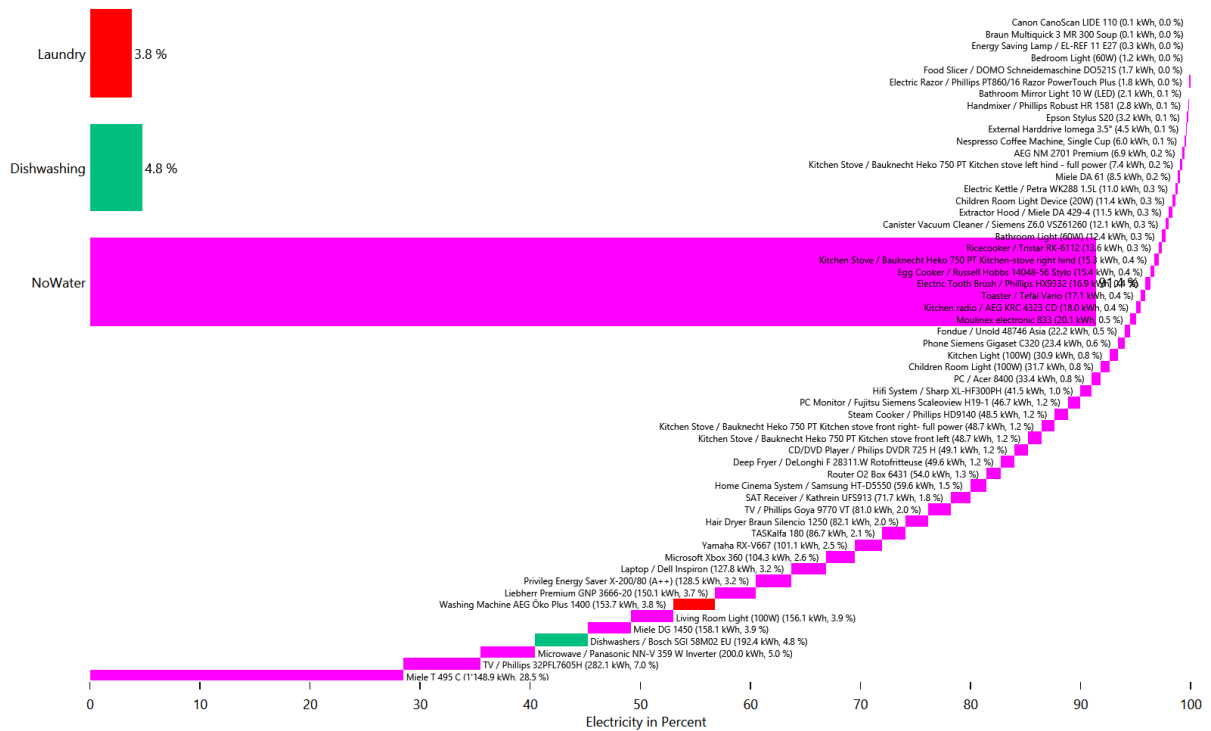
Cold Water



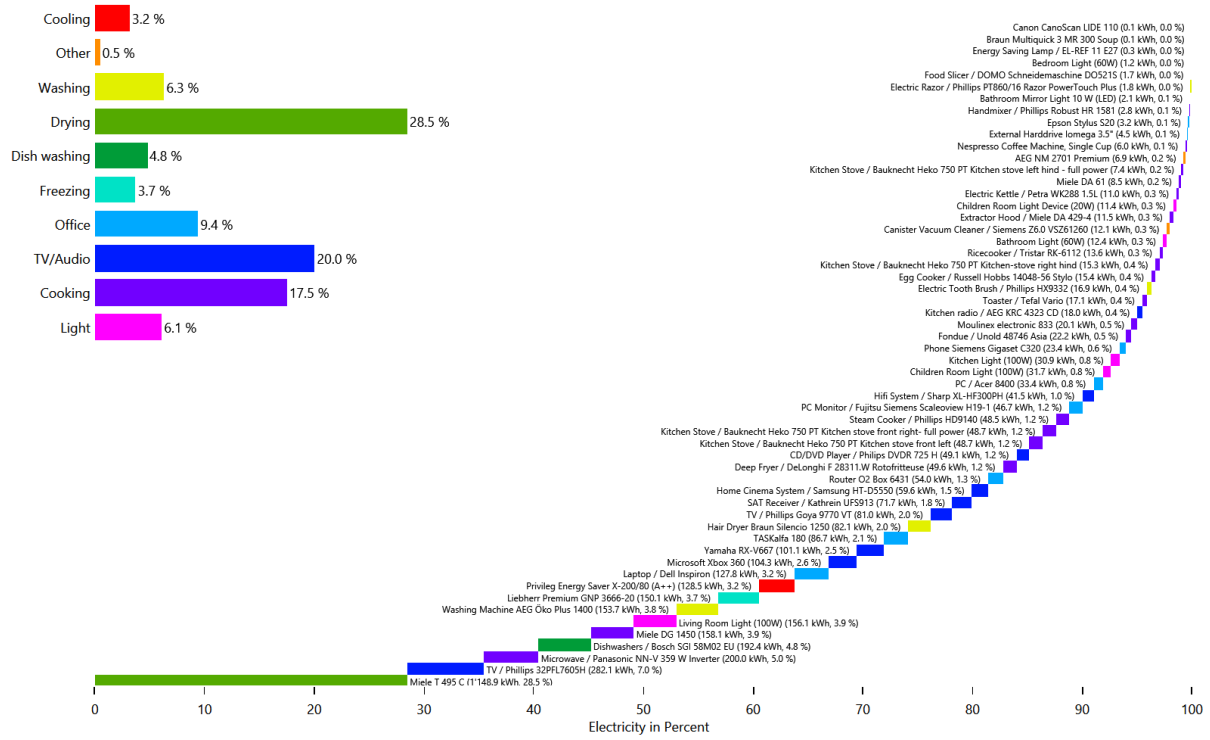
Cold Water



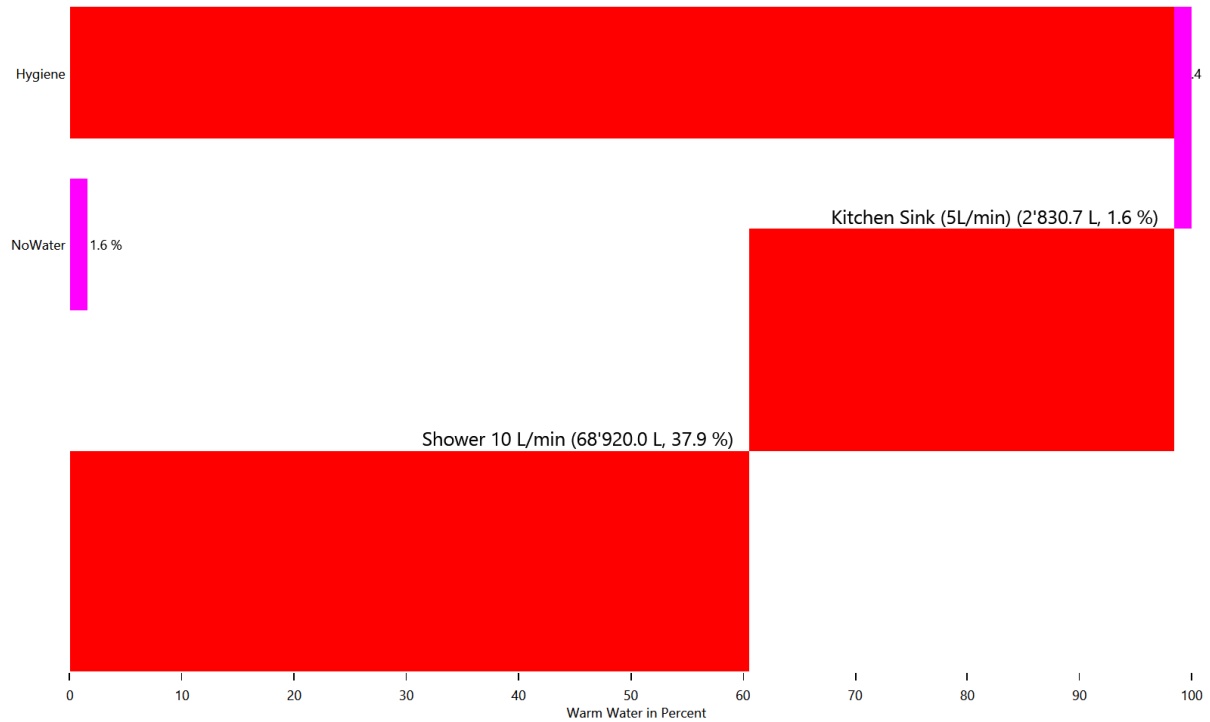
Electricity



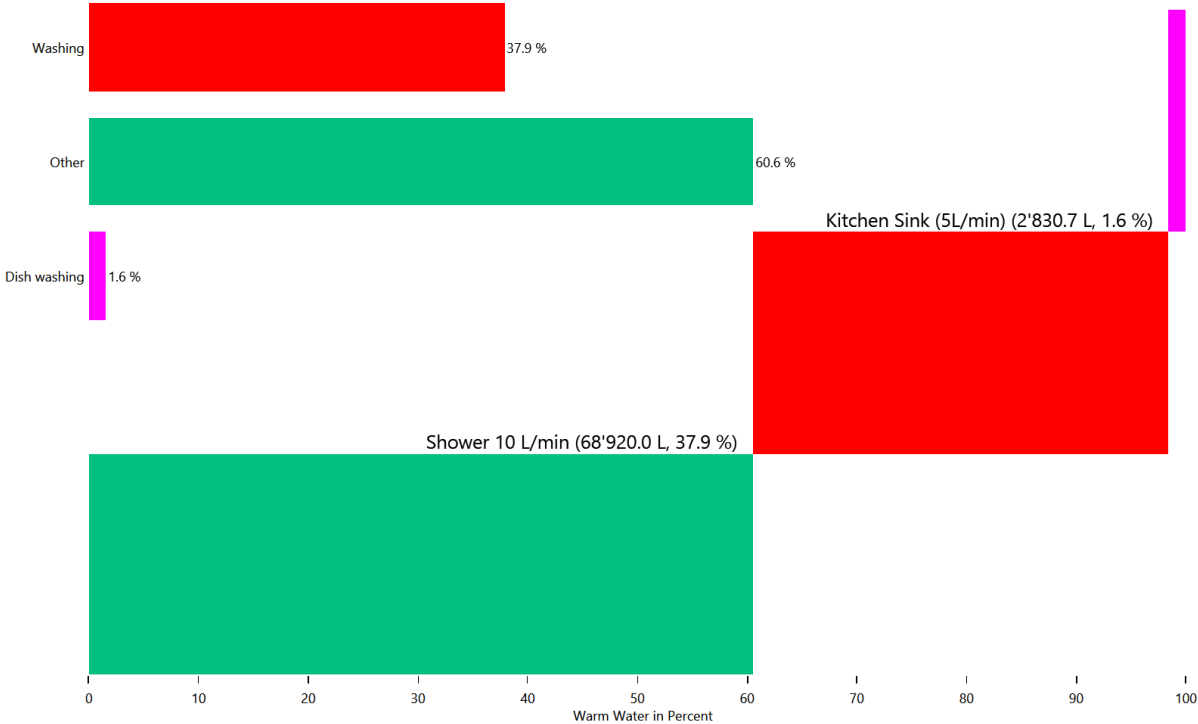
Electricity



Warm Water



Warm Water

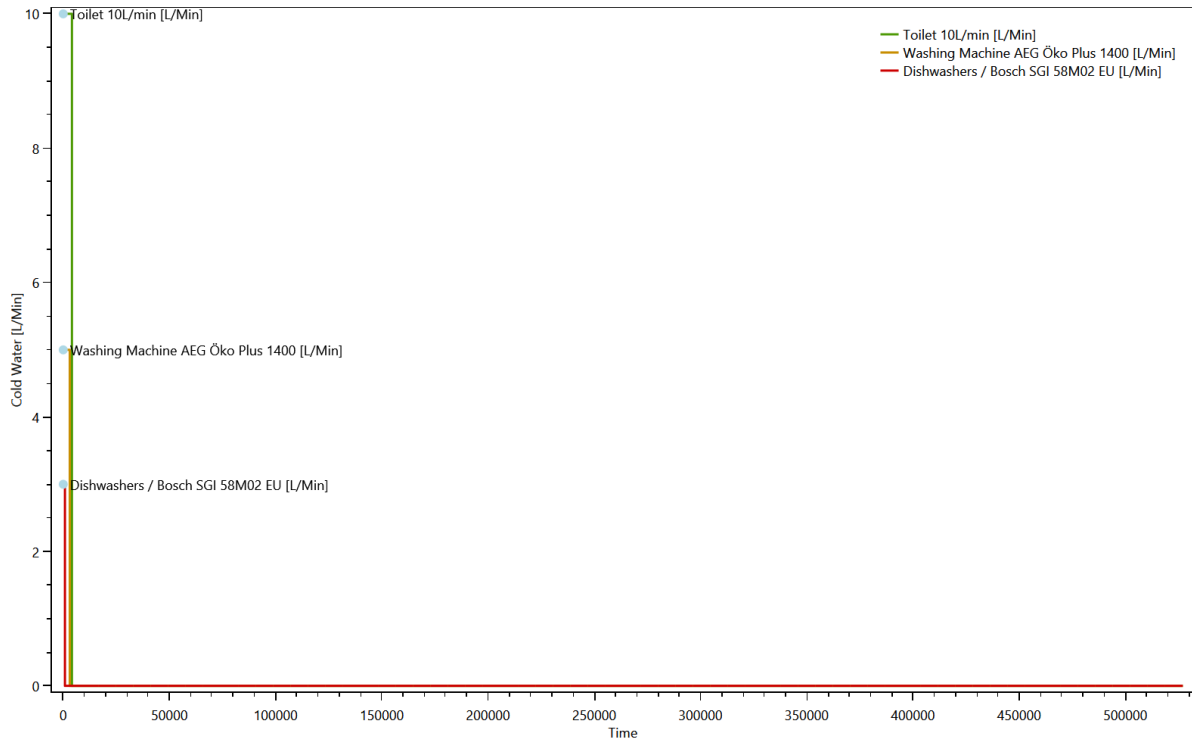


Duration curve for each device for each load type

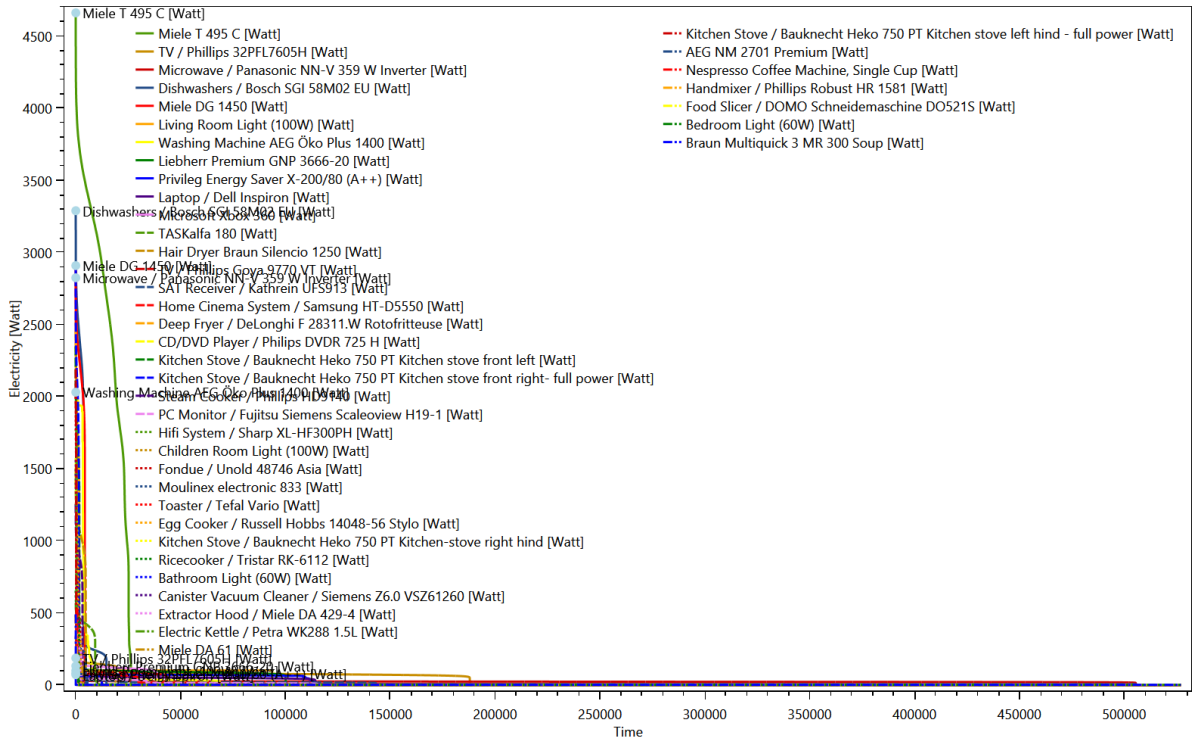
This is made from the files starting with: DeviceDurationCurves

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

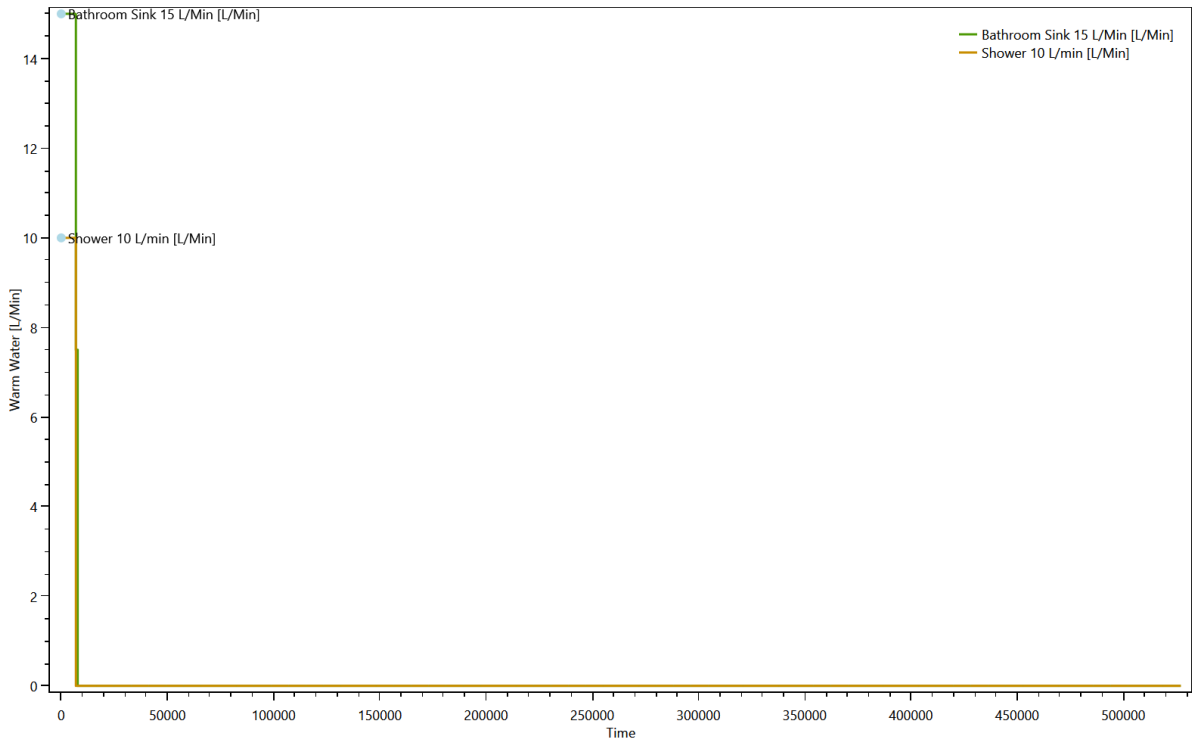
Cold Water



Electricity



Warm Water

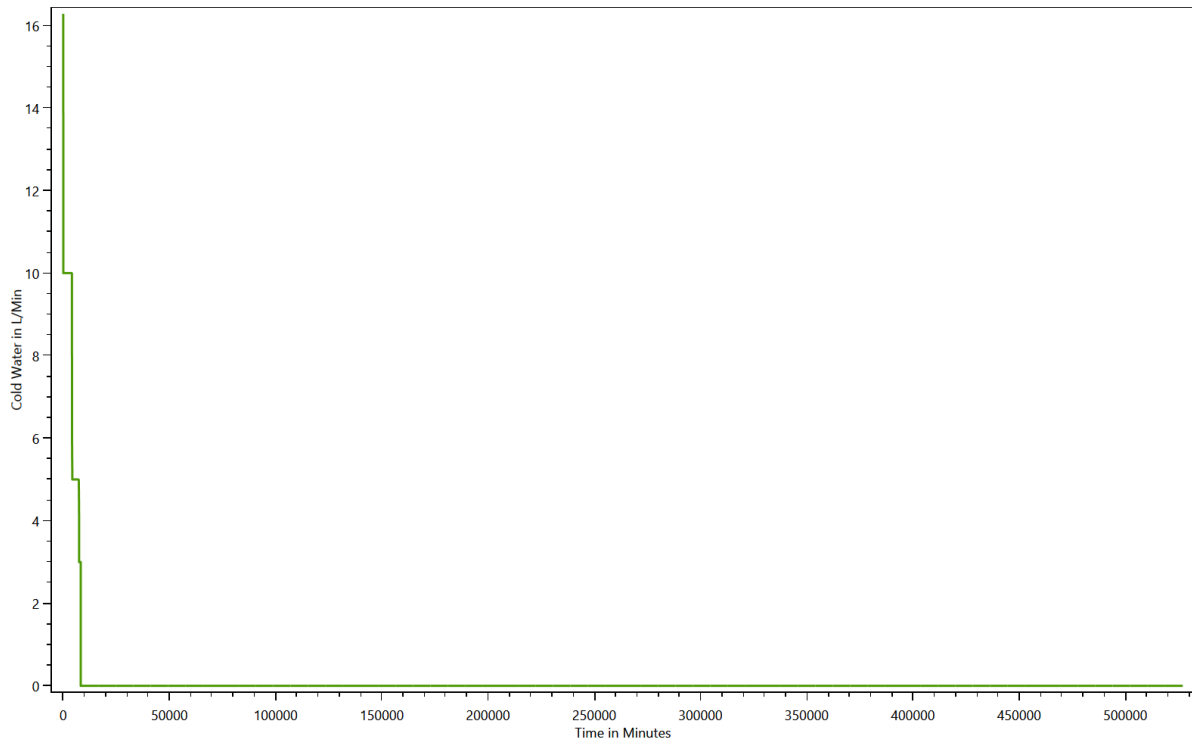


Duration curve for each load type

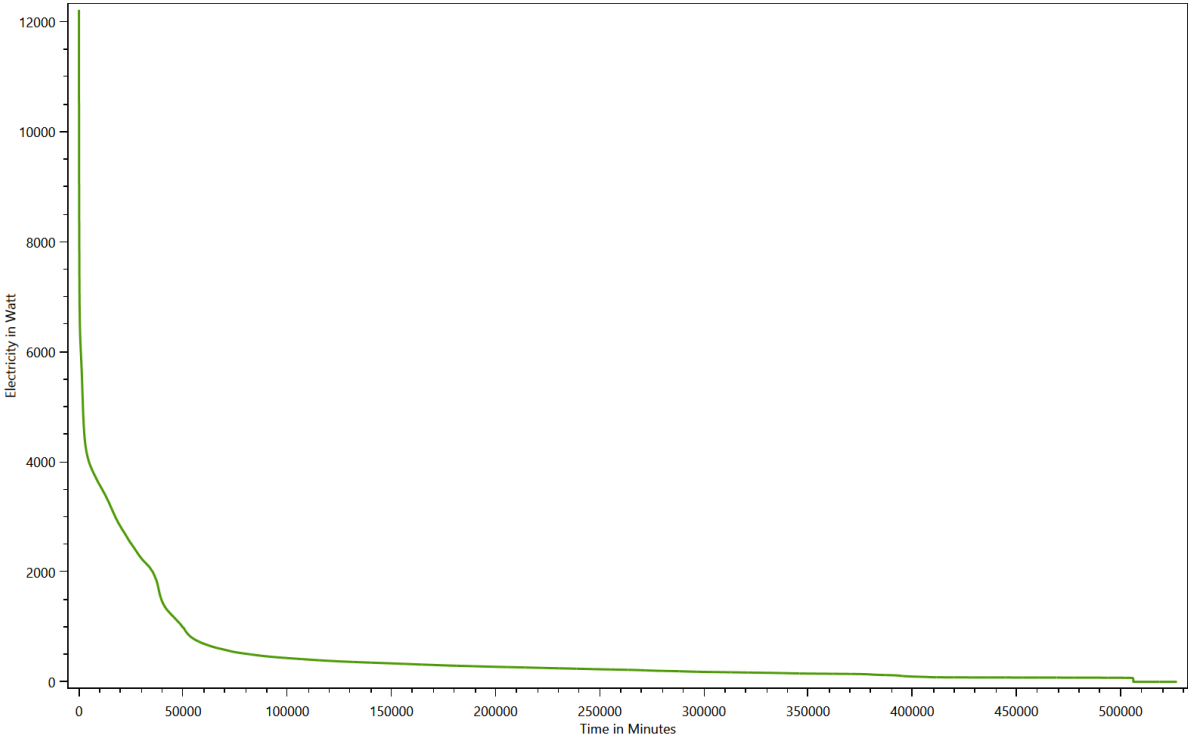
This is made from the files starting with: DurationCurve

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

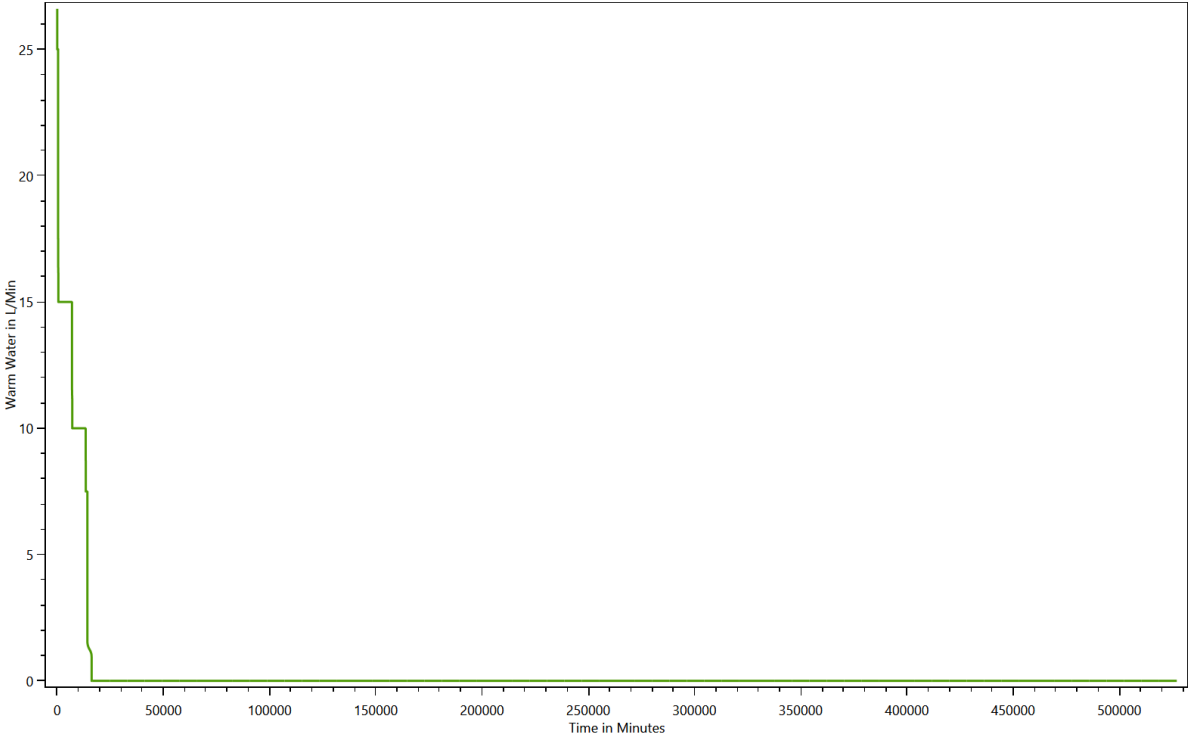
Cold Water



Electricity



Warm Water

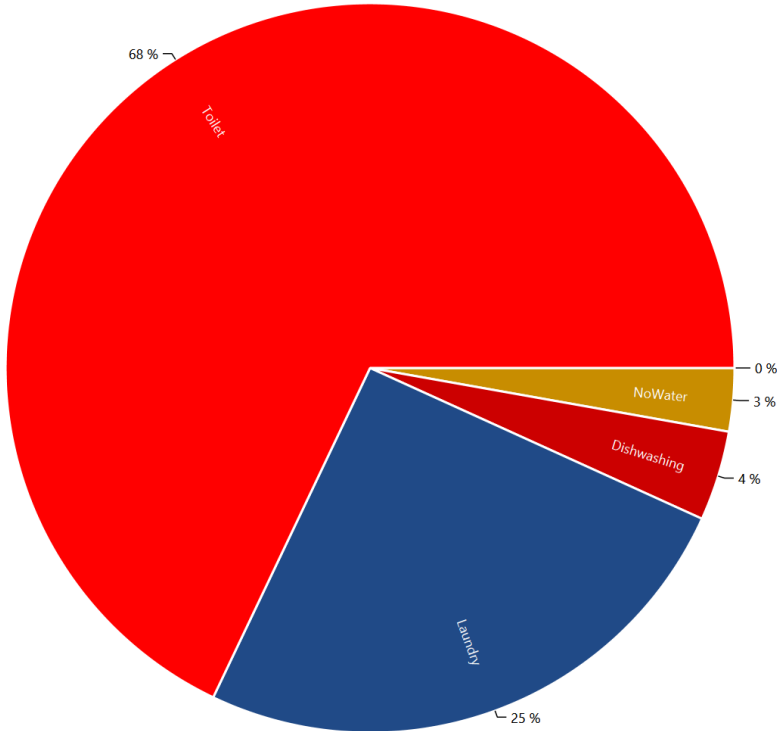


Grouped energy use for each load type for each device

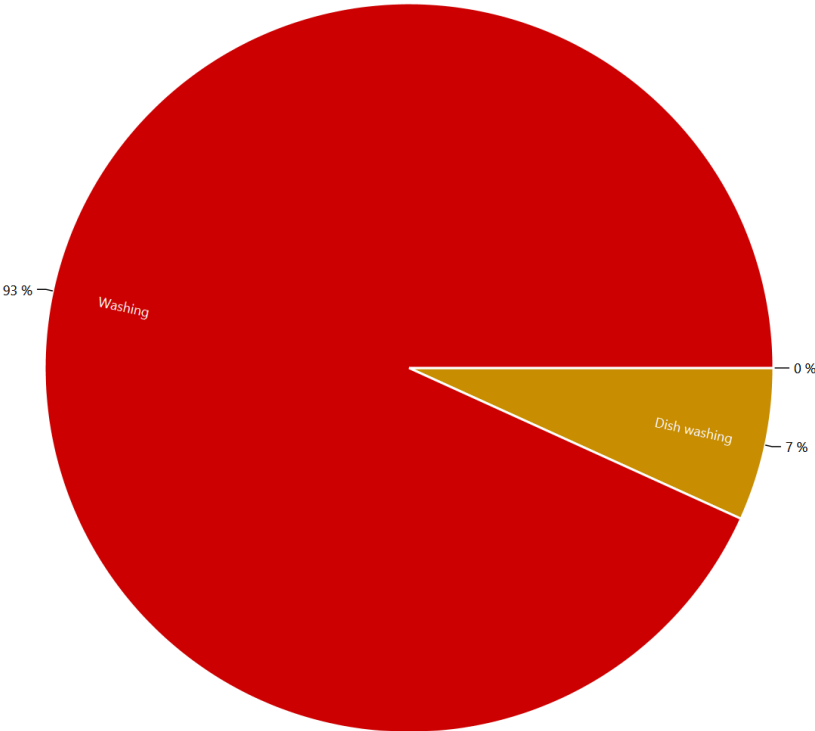
This is made from the files starting with: DeviceTaggingSet

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

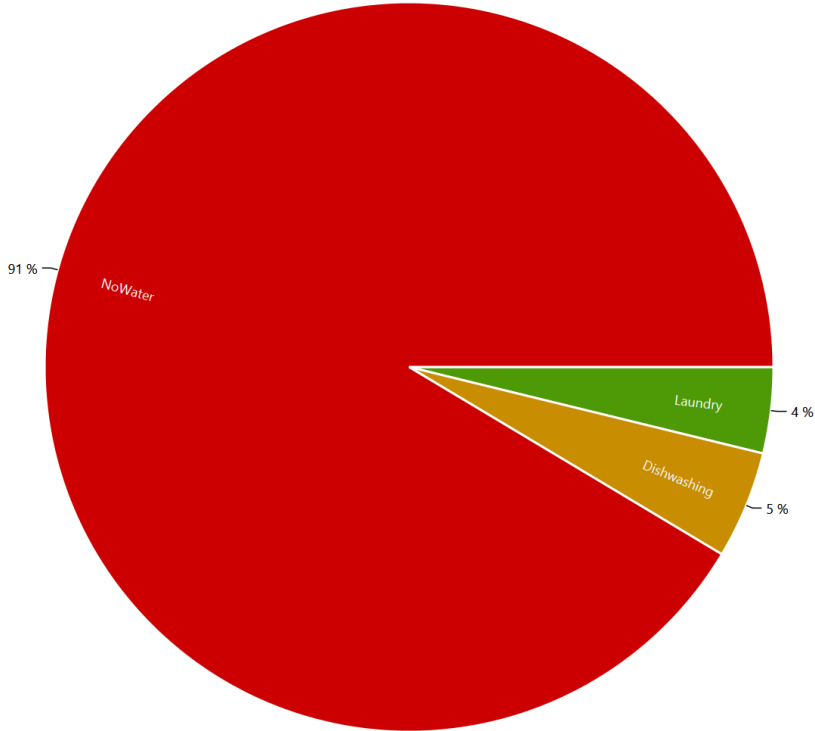
HH0 - Destatis Water Usage Statistics - Cold Water



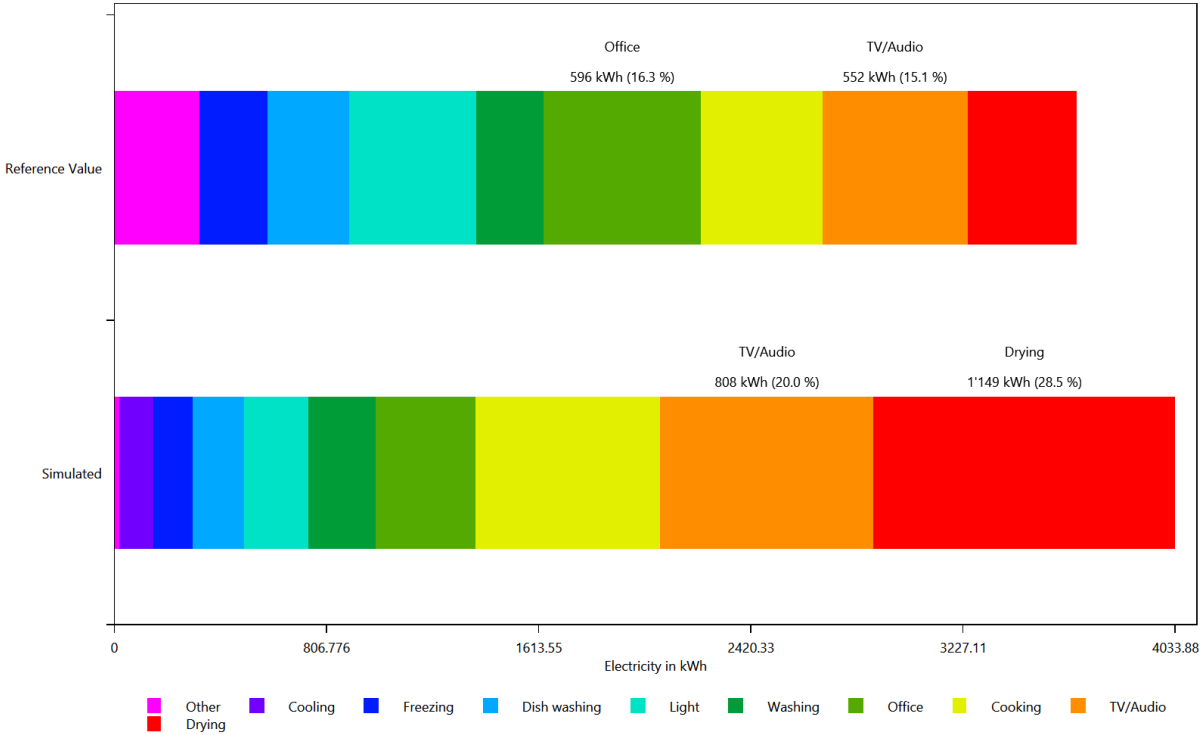
HH0 - Energieagentur - Cold Water



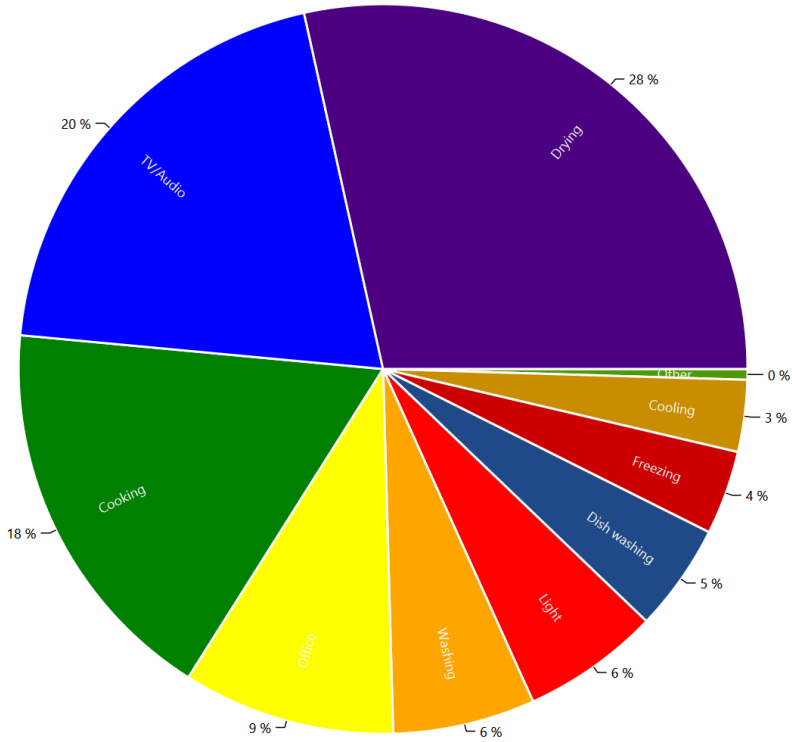
HH0 - Destatis Water Usage Statistics - Electricity



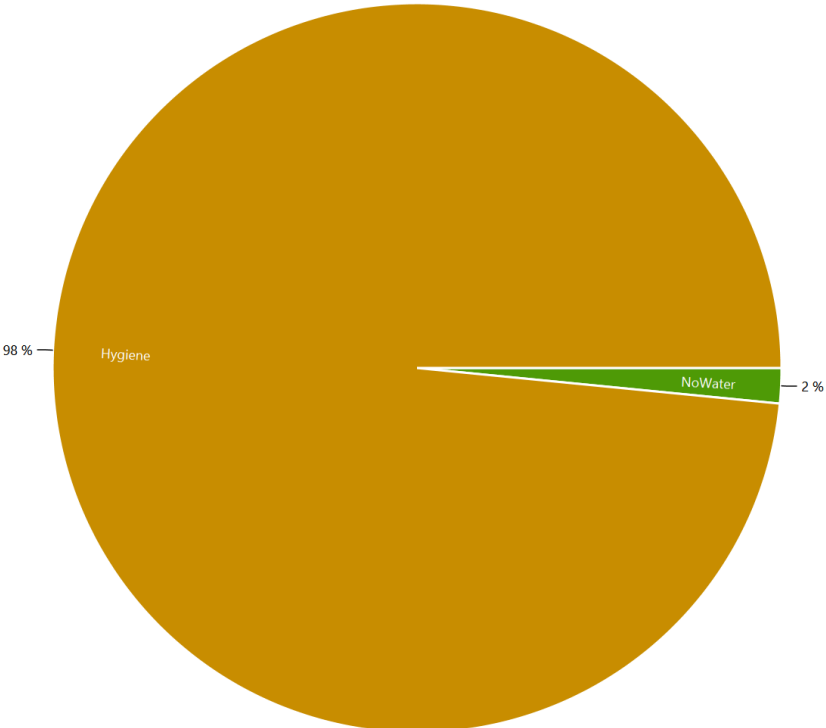
HH0 - Energieagentur - Electricity



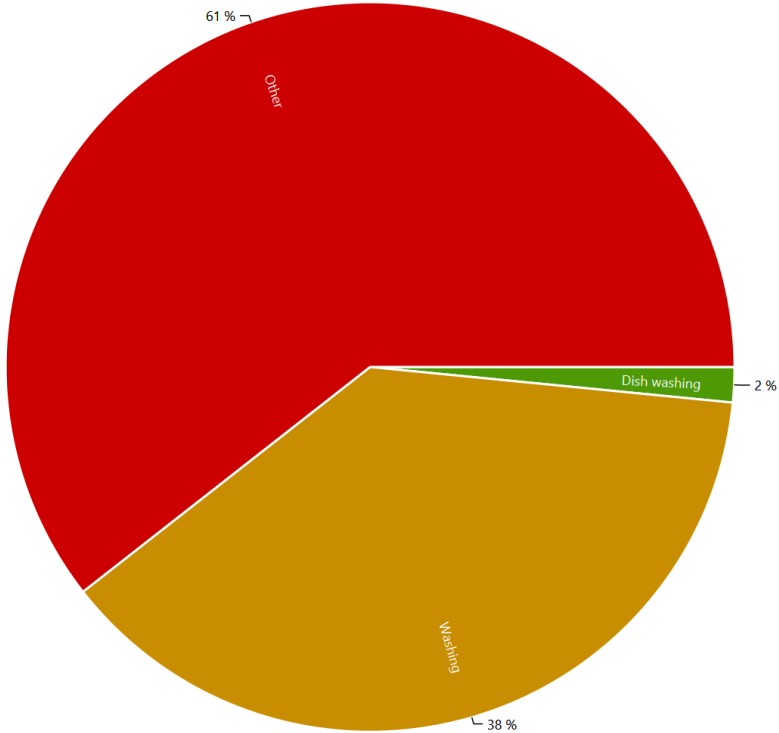
HH0 - Energieagentur - Electricity



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

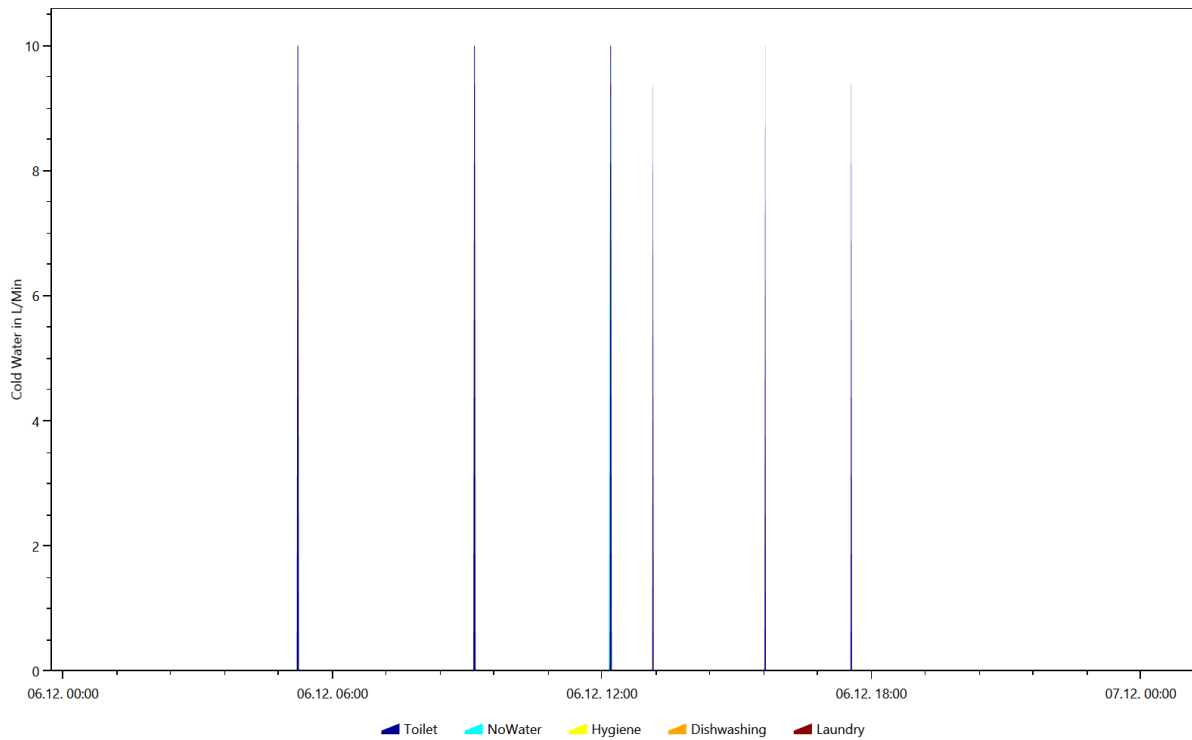


Example of the device profiles for each load type

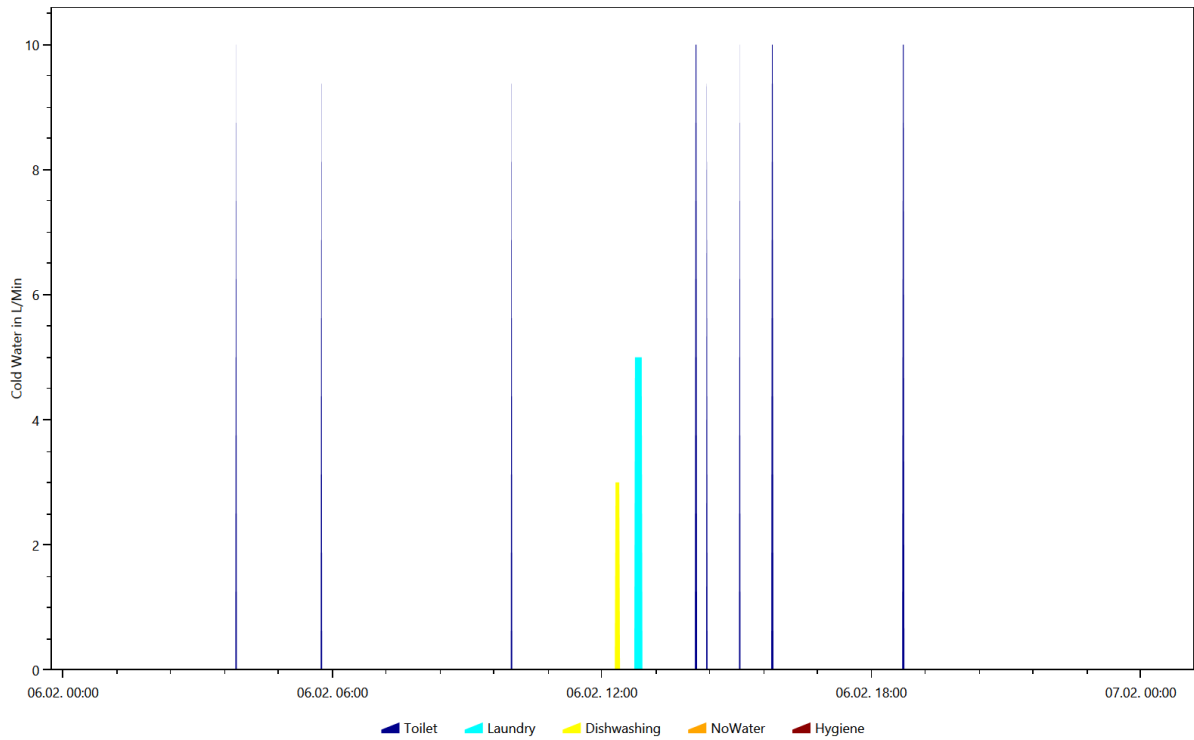
This is made from the files starting with: DeviceProfiles

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

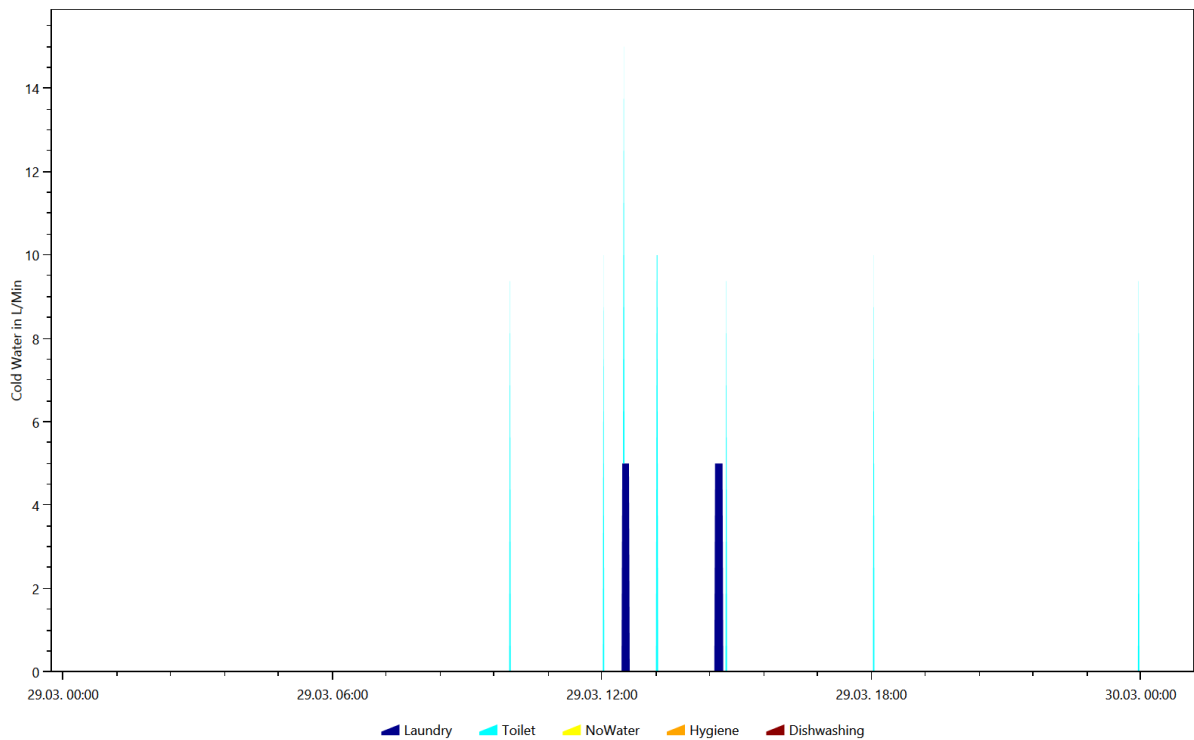
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.12.6



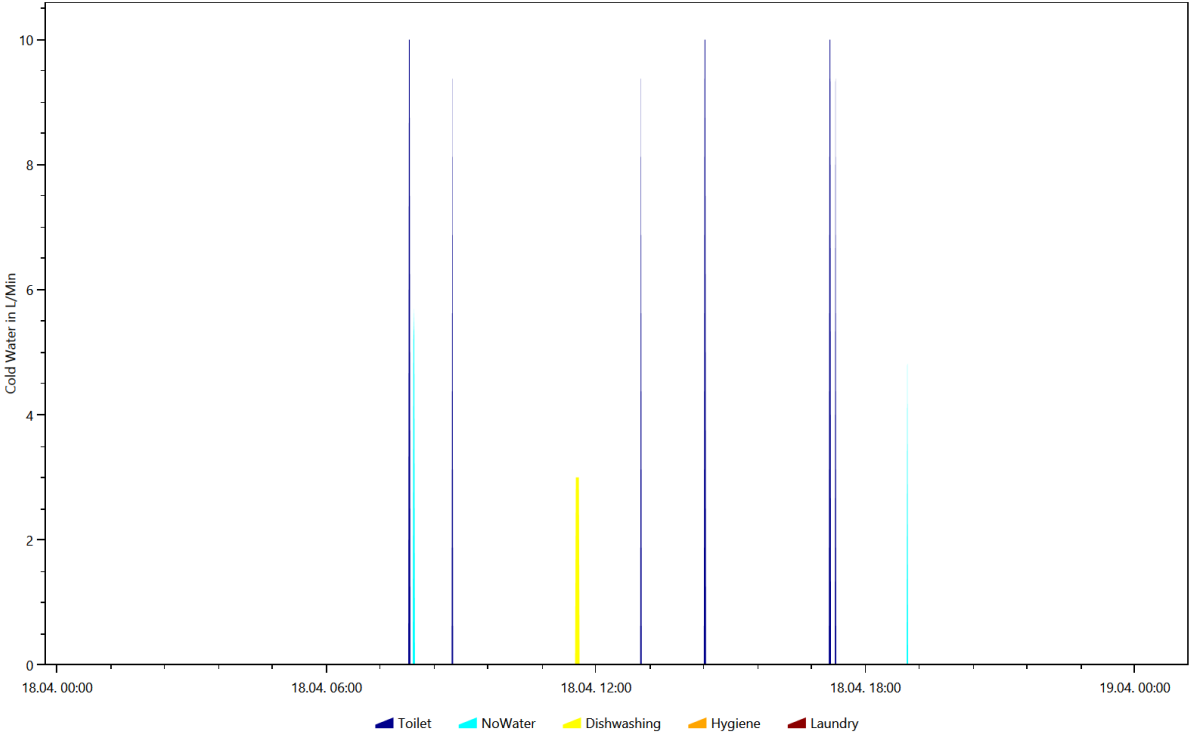
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.6



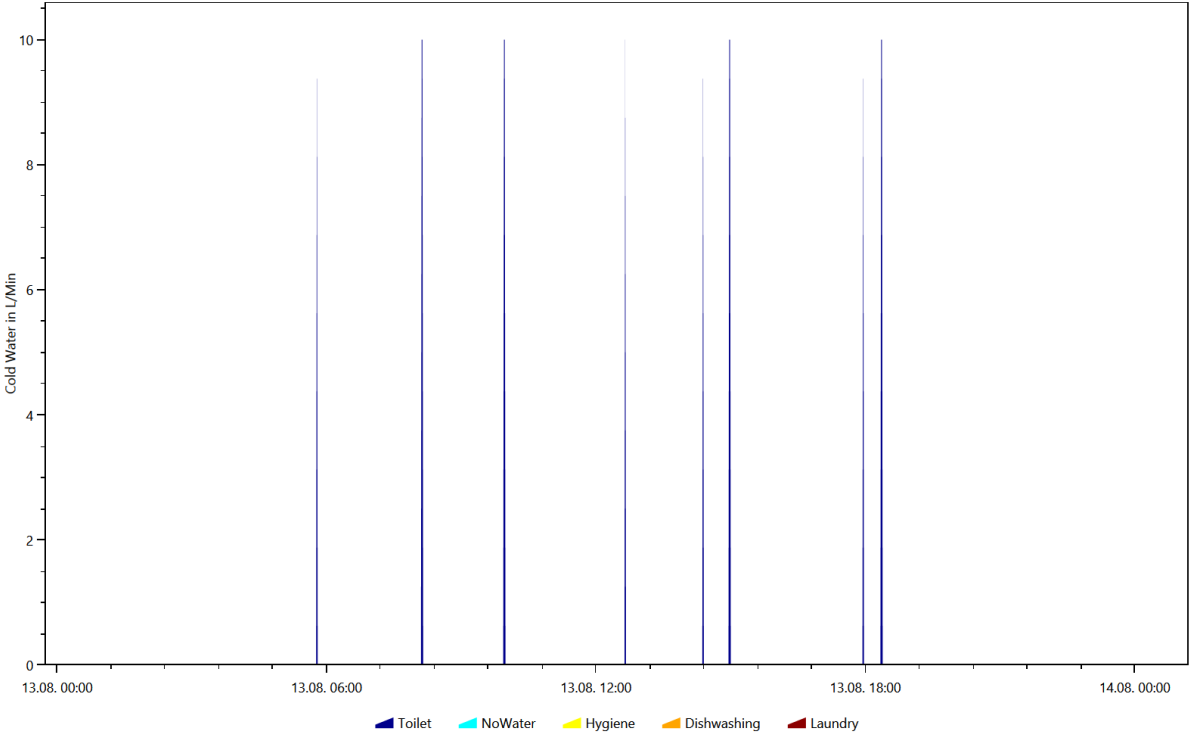
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.29



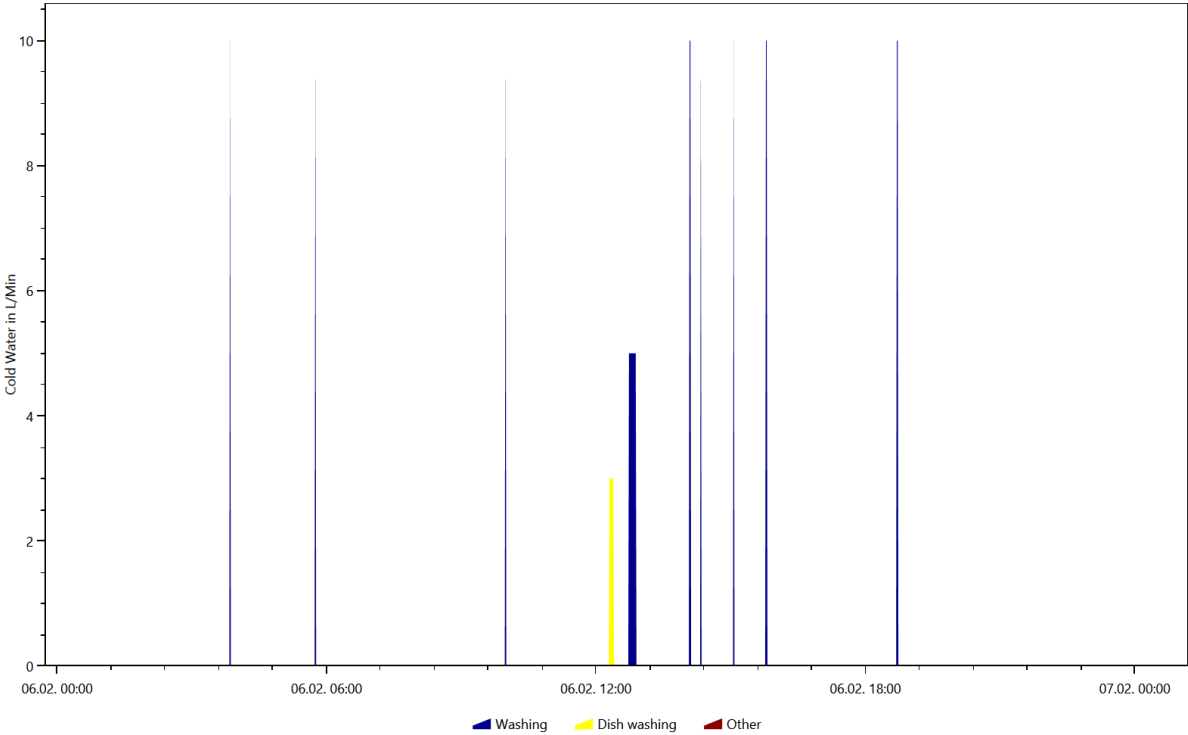
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.18



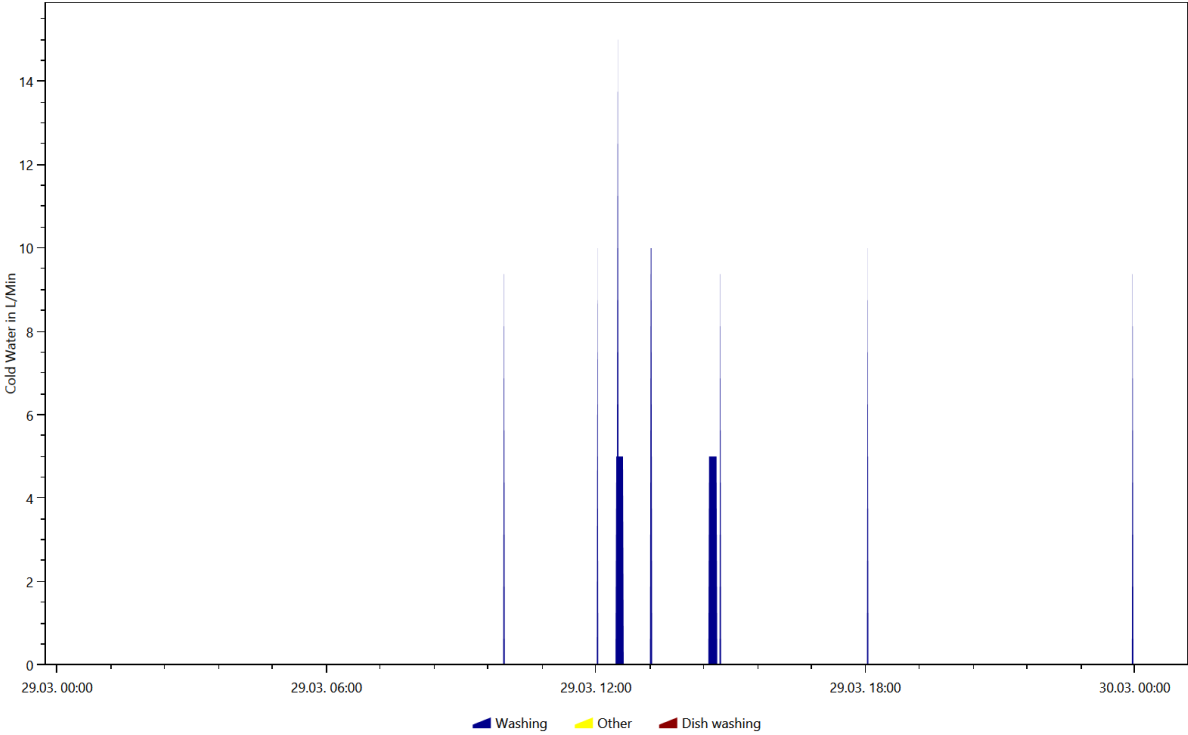
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.13



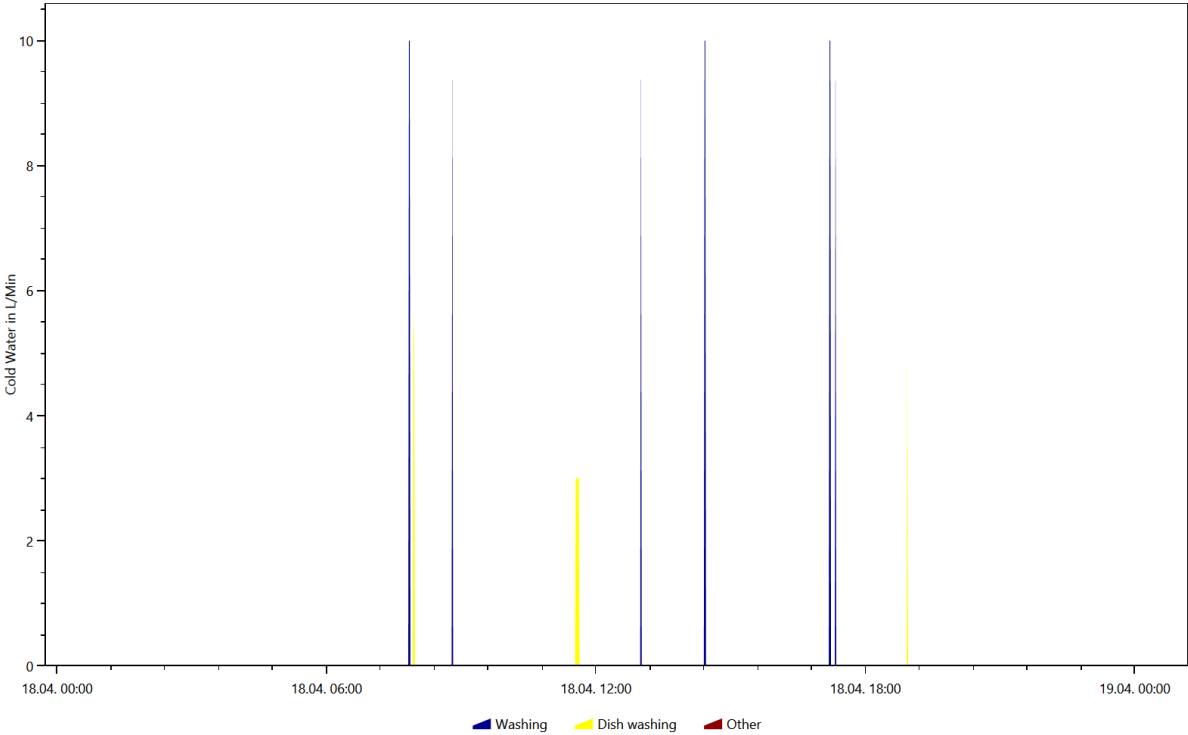
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.6



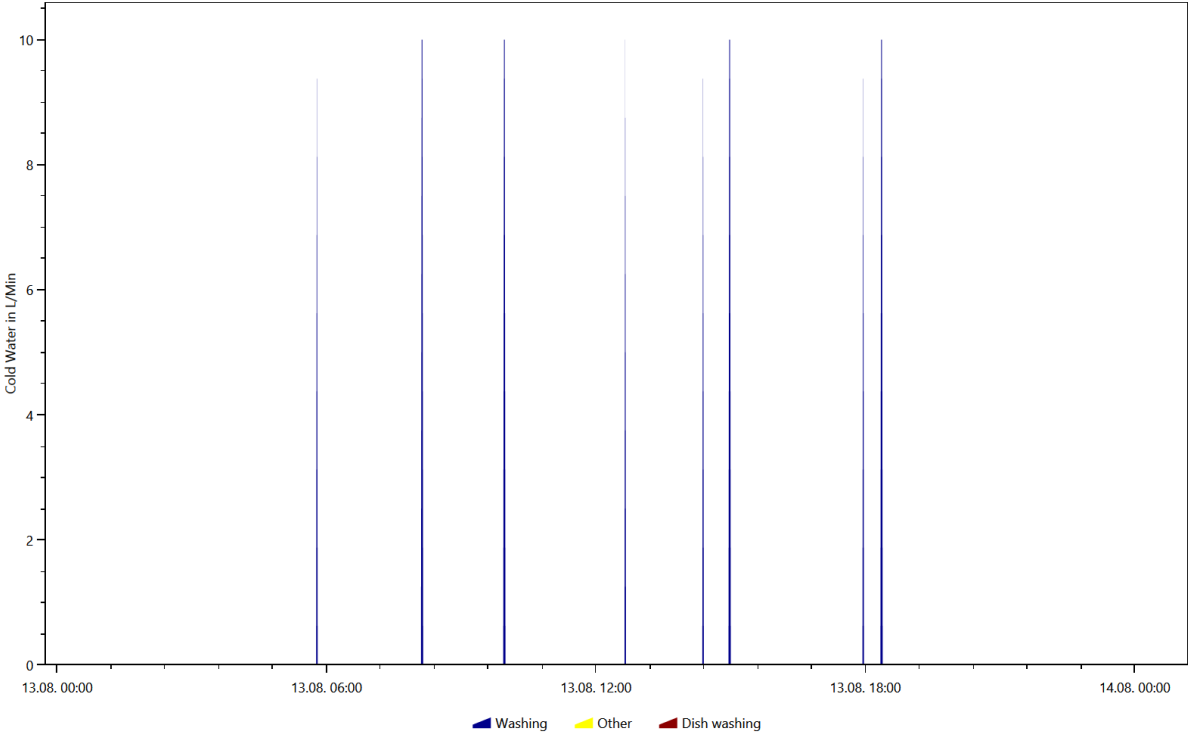
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.29



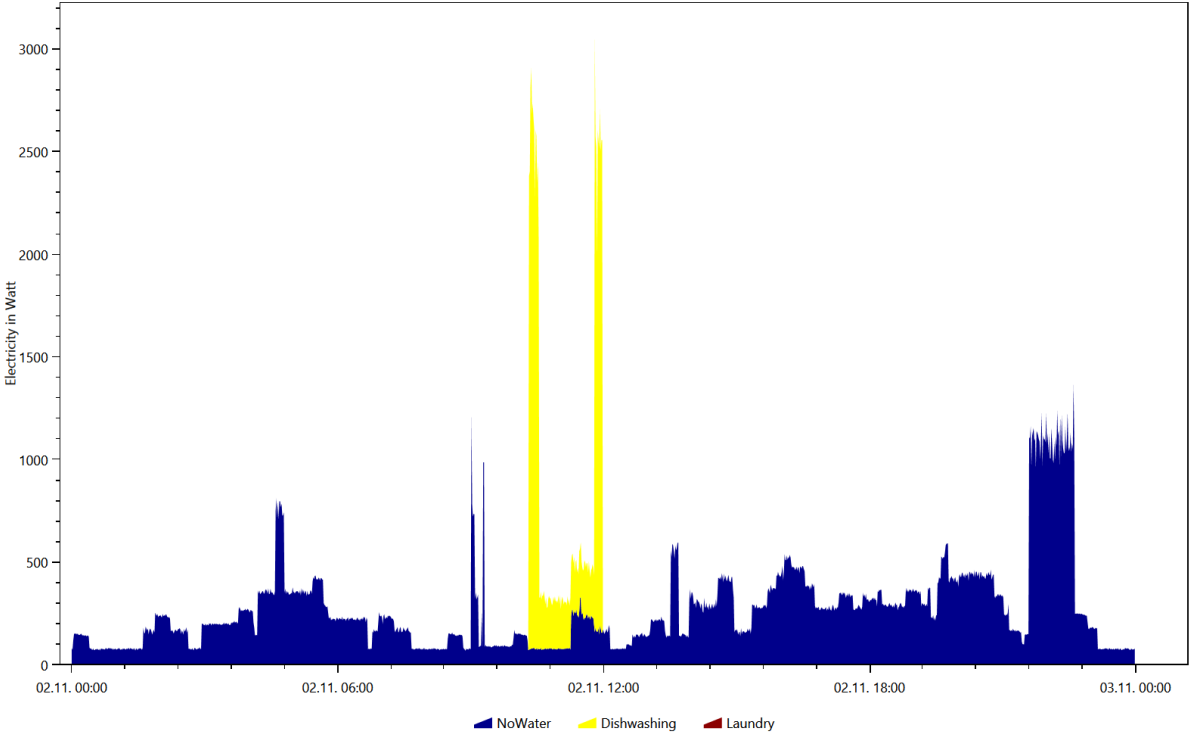
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.18



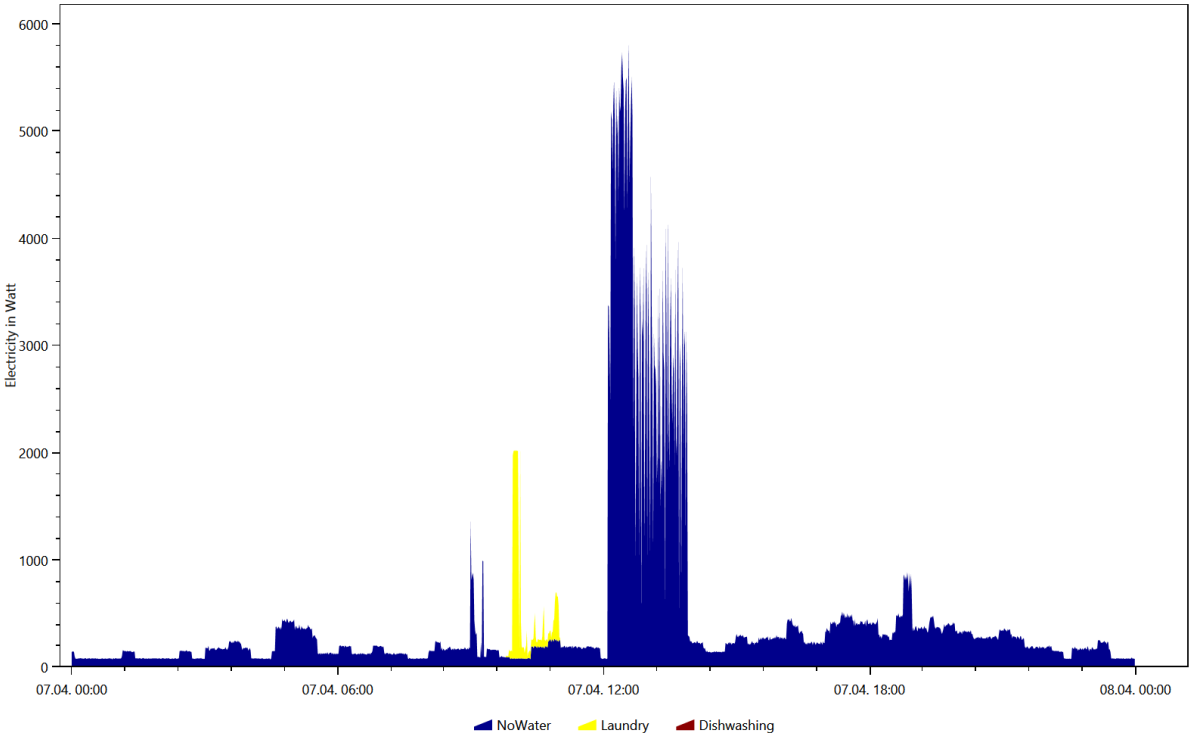
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.8.13



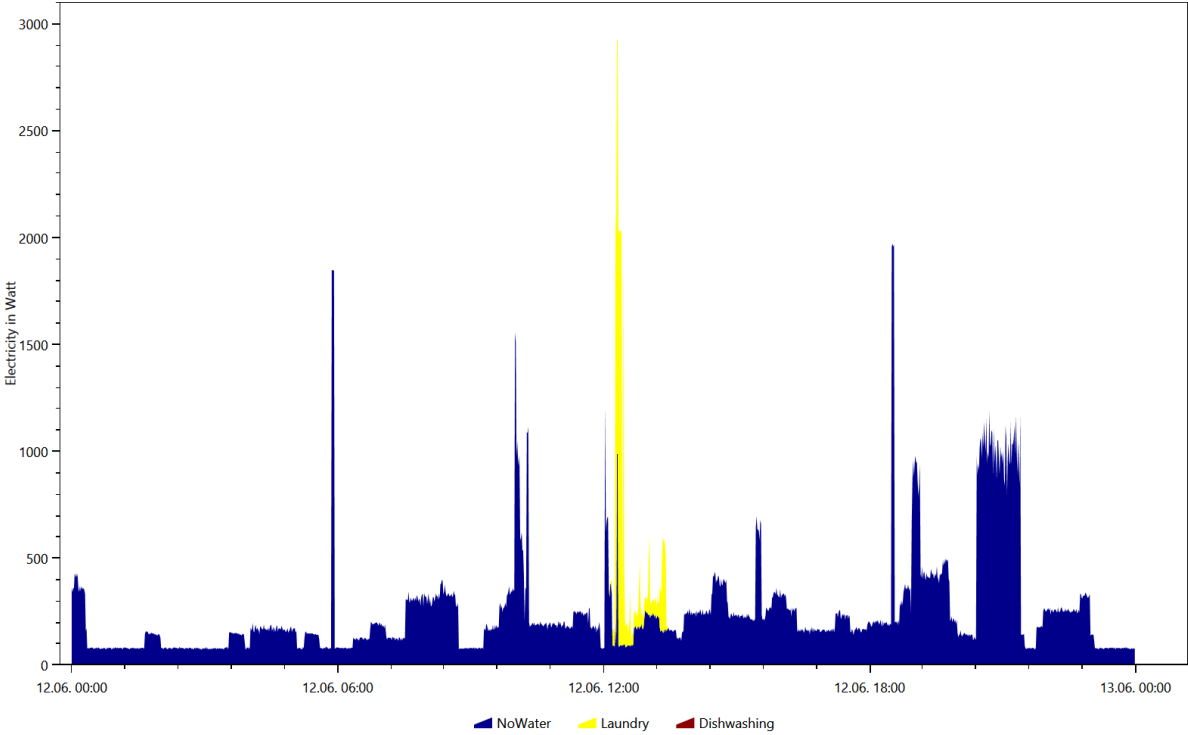
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.2



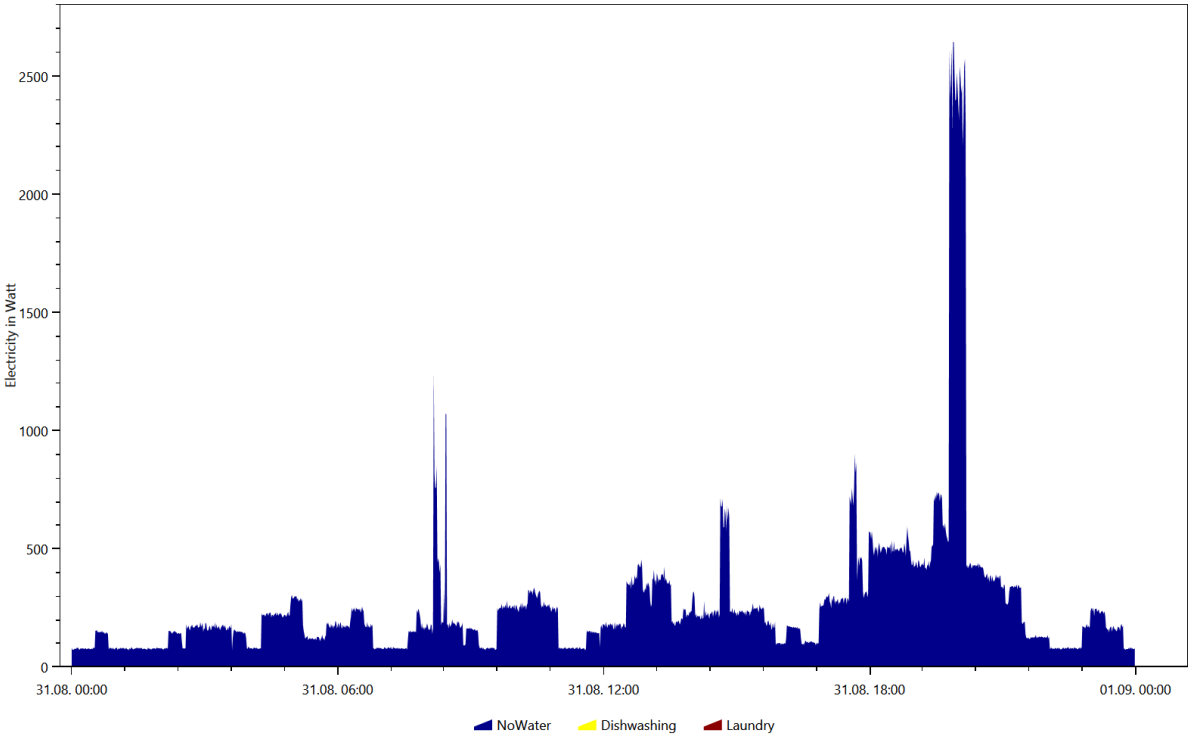
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.7



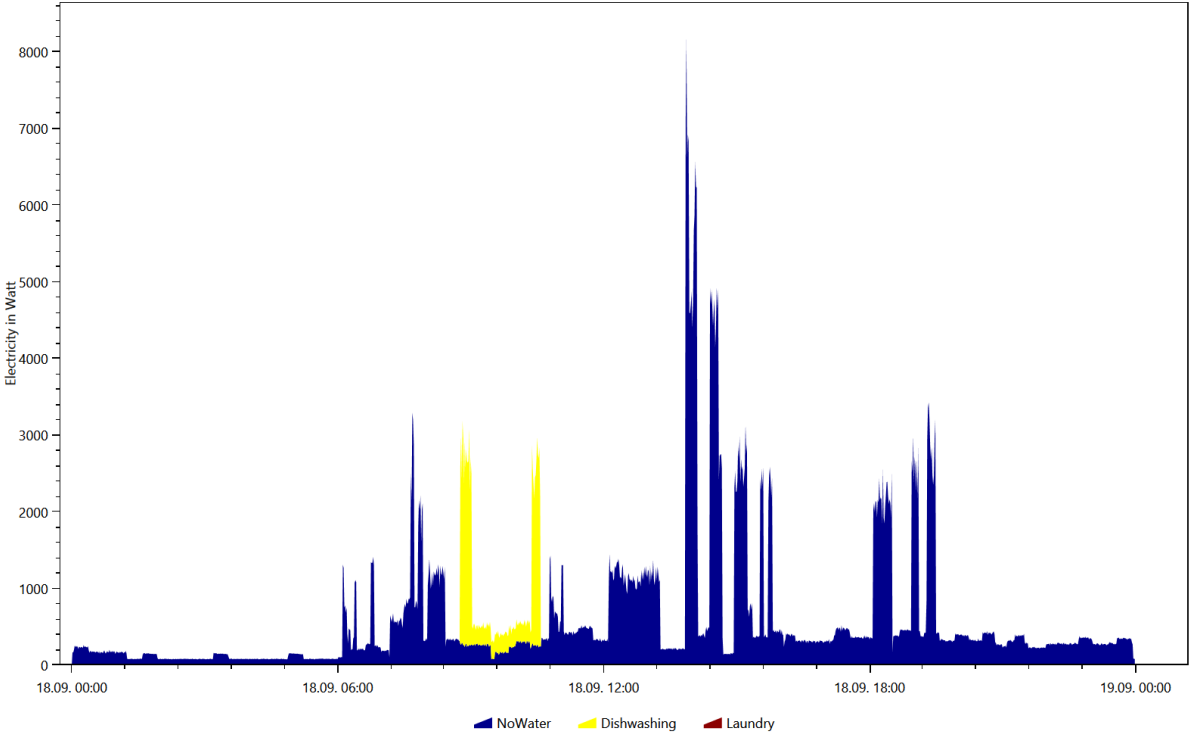
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.12



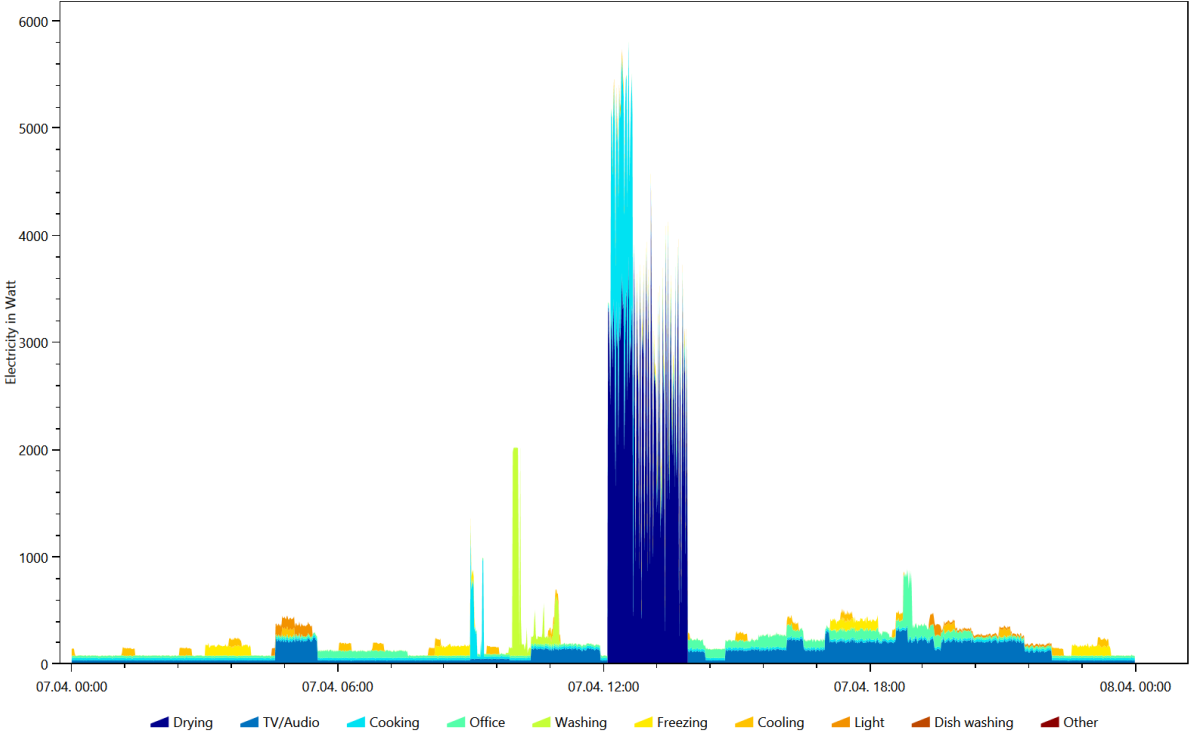
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.31



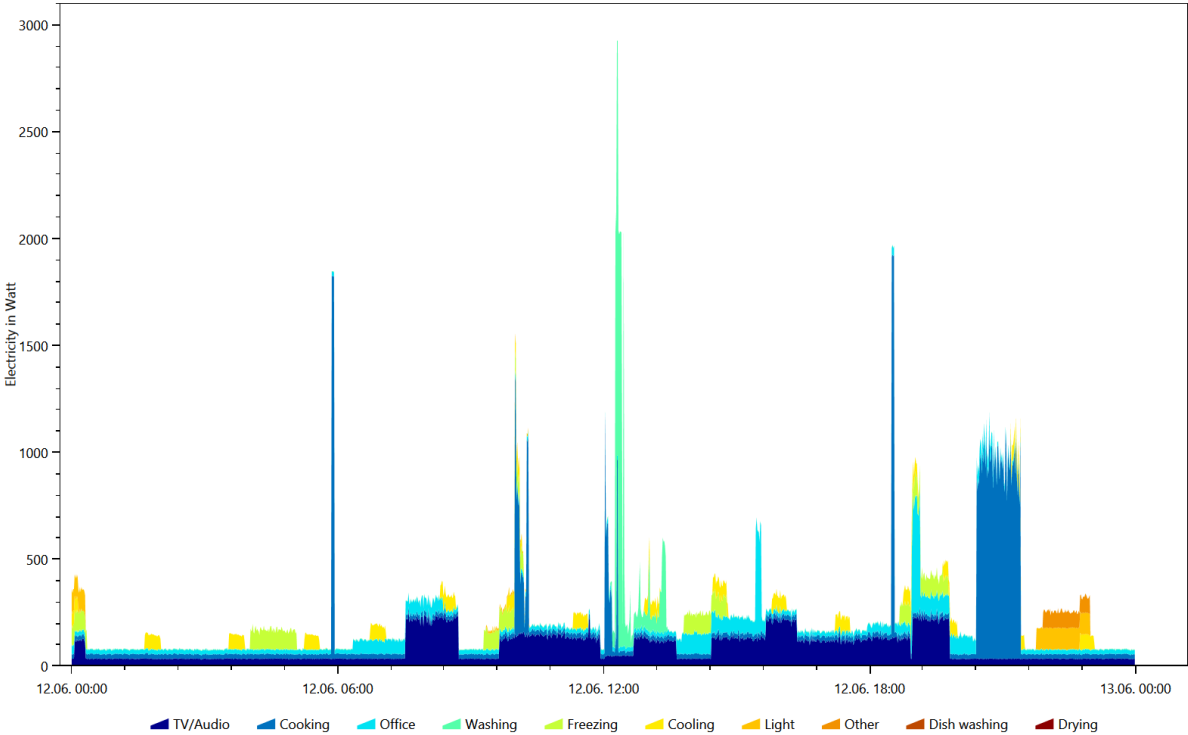
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.18



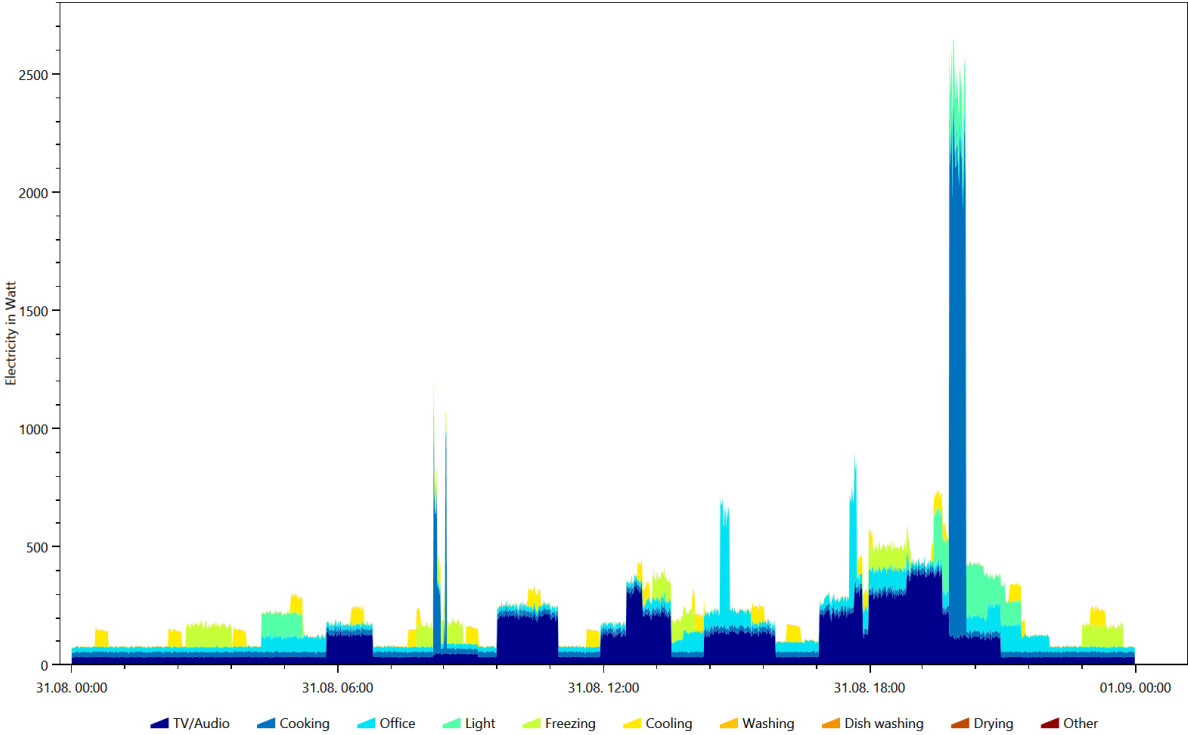
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.7



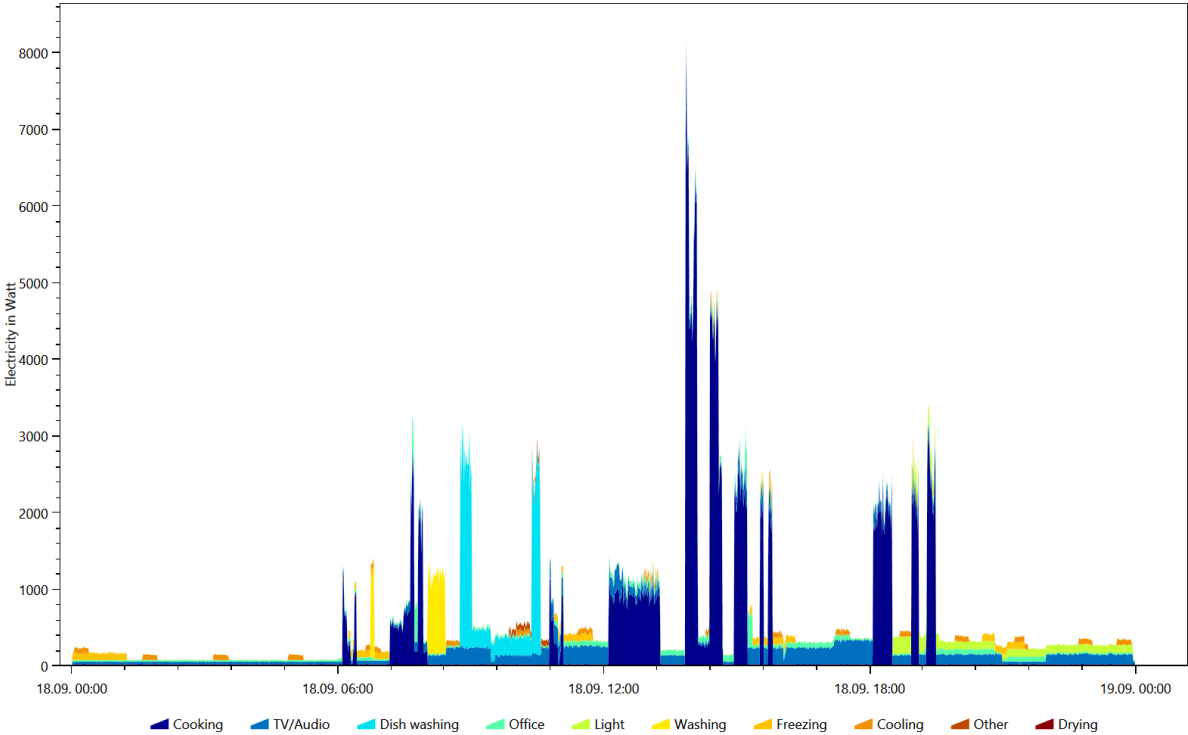
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.12



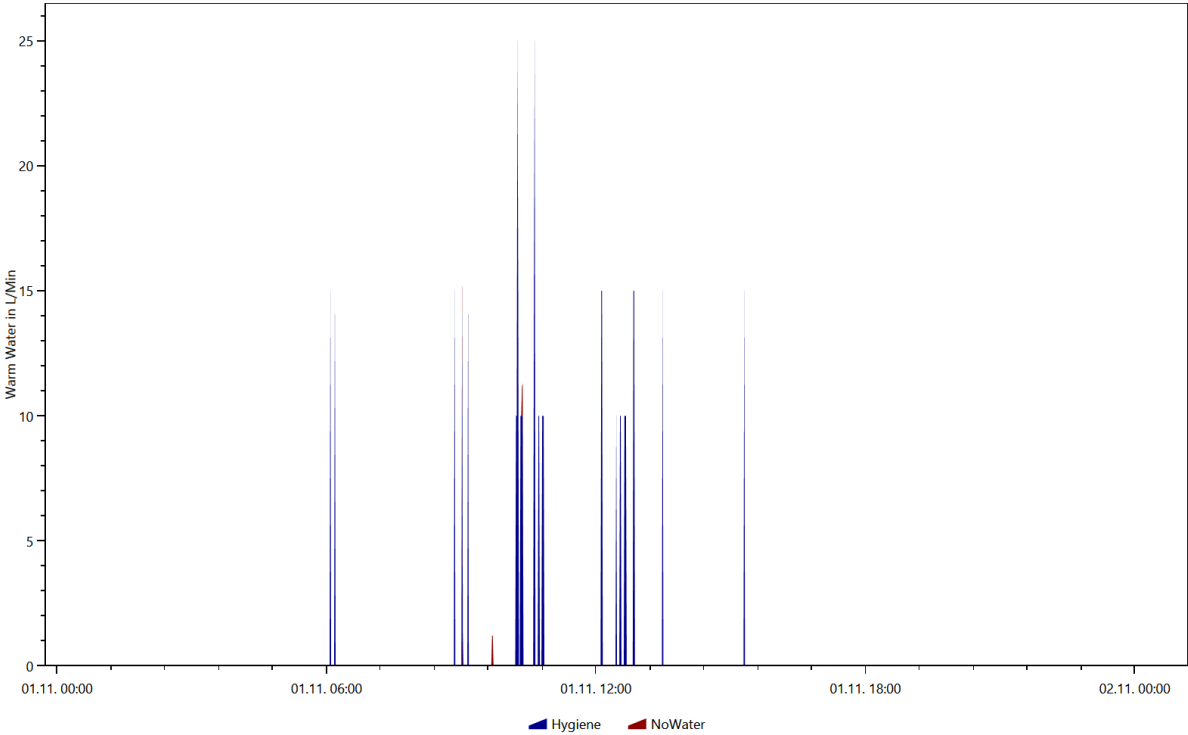
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.8.31



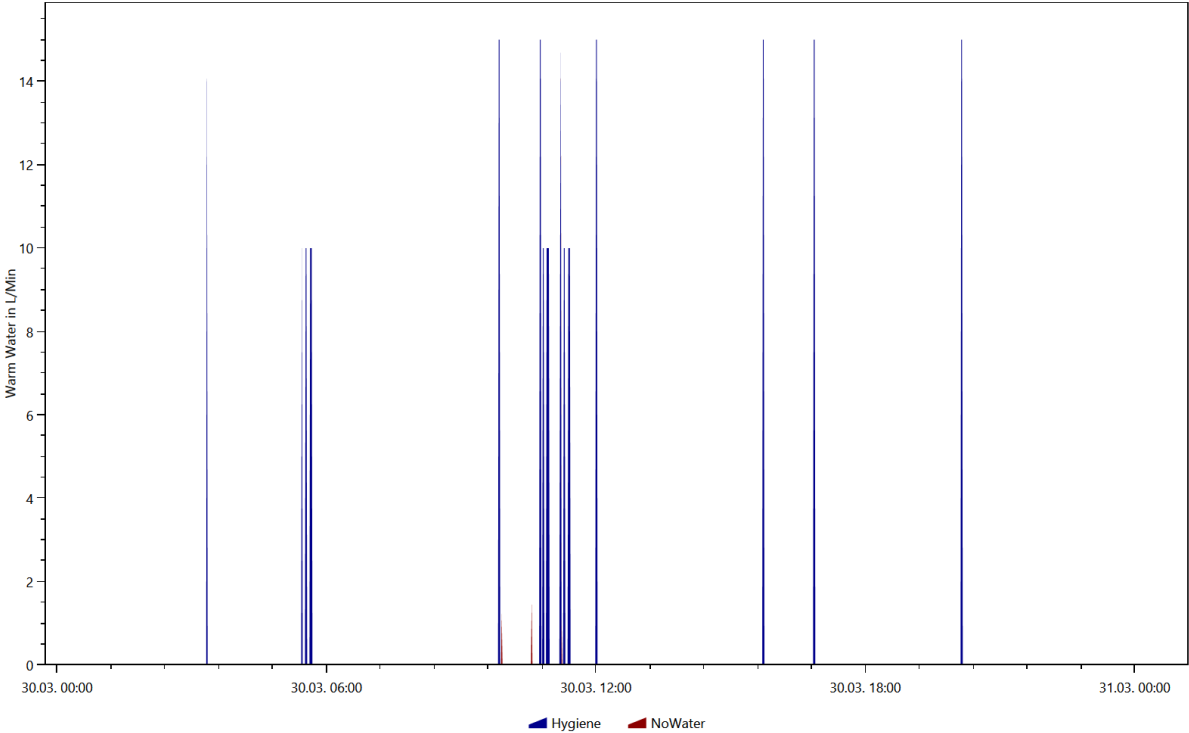
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.9.18



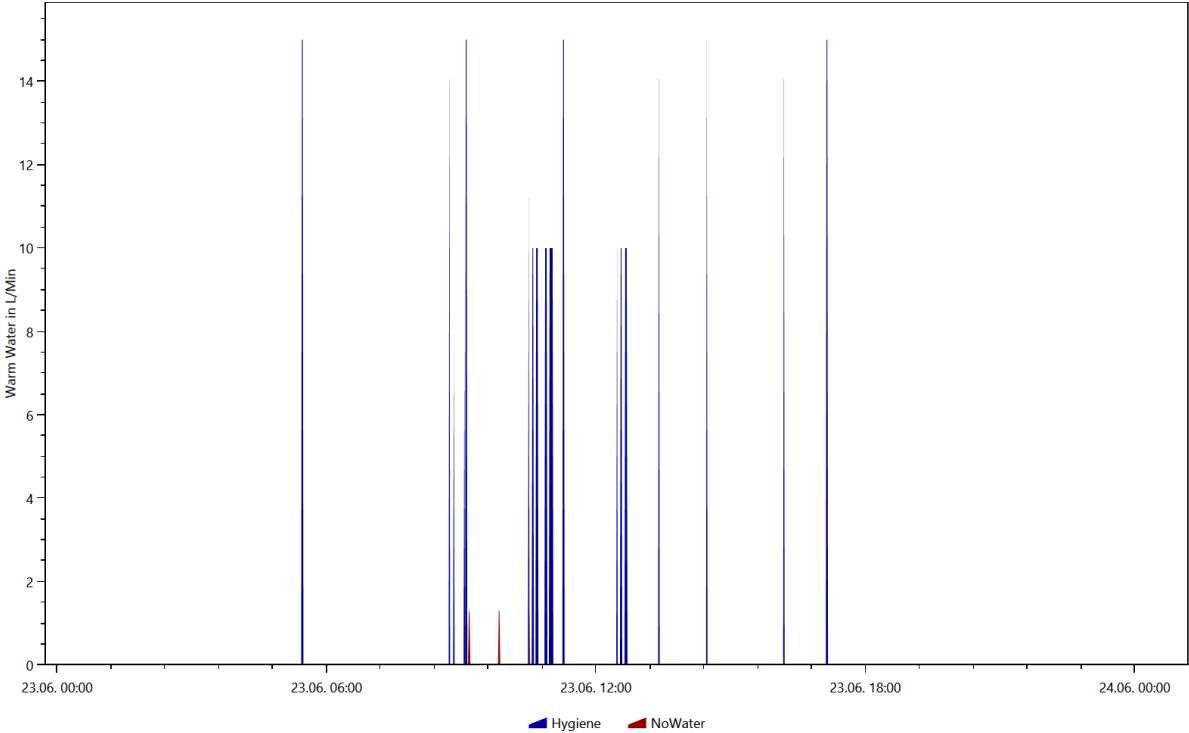
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.11.1



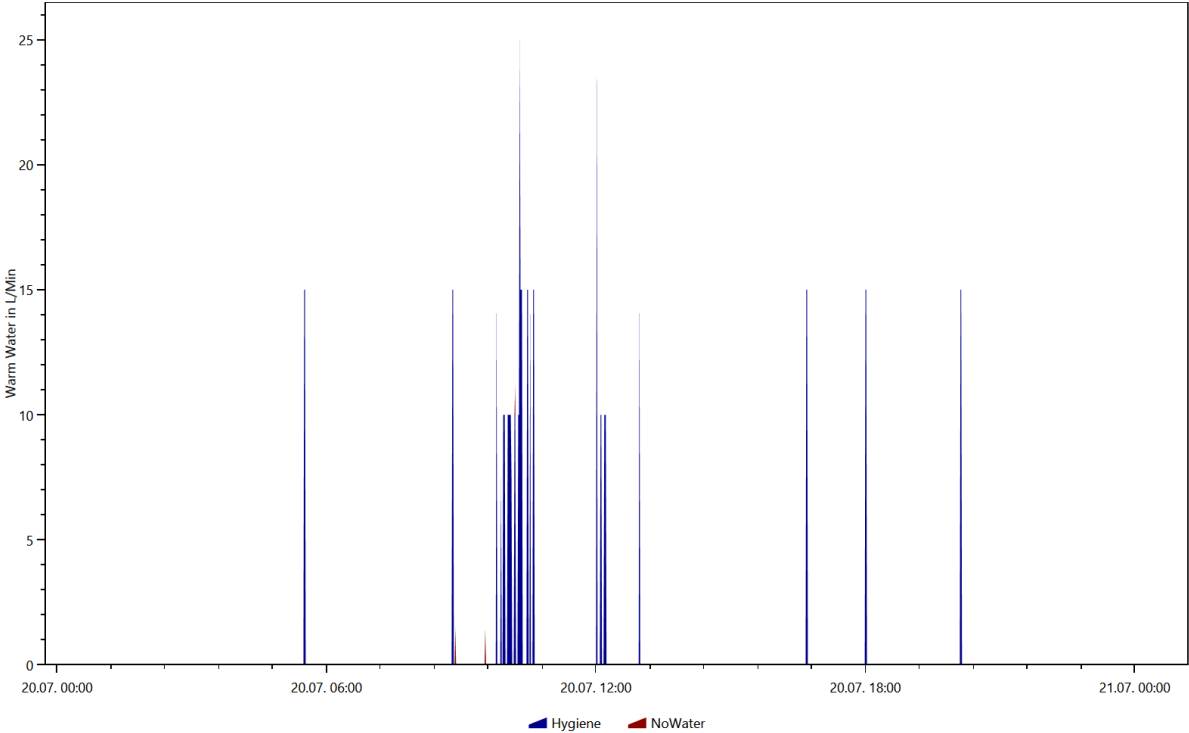
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.30



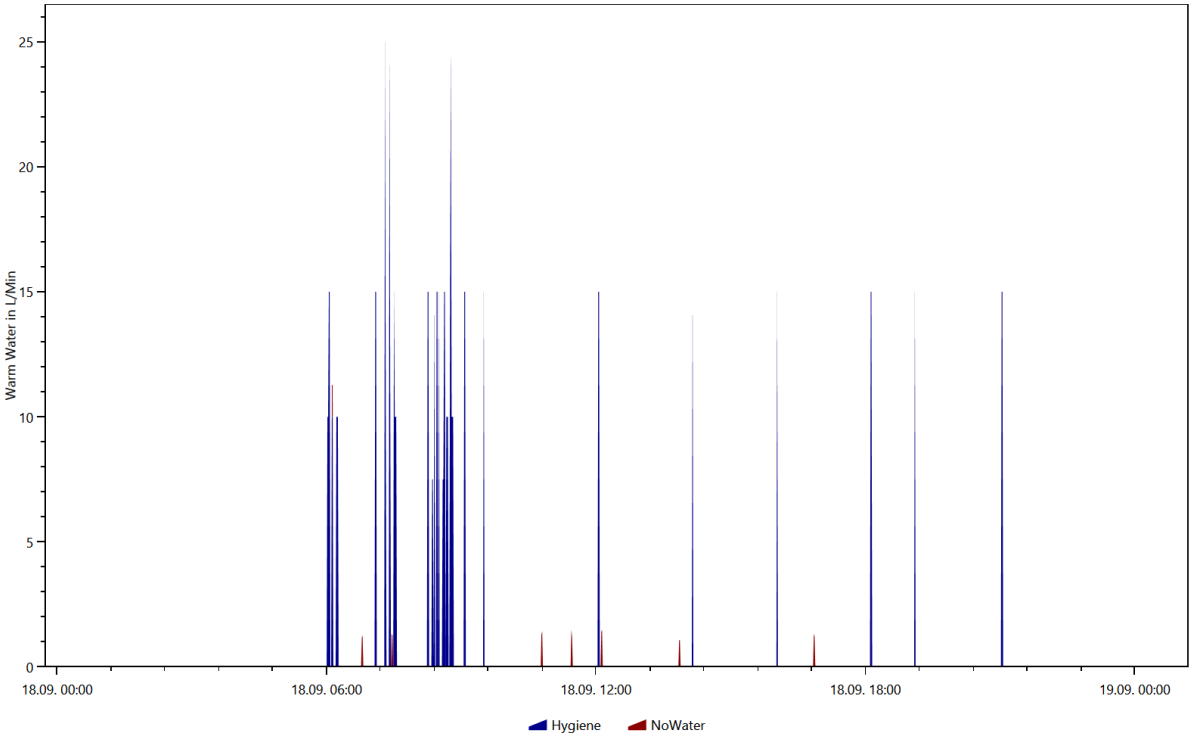
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.23



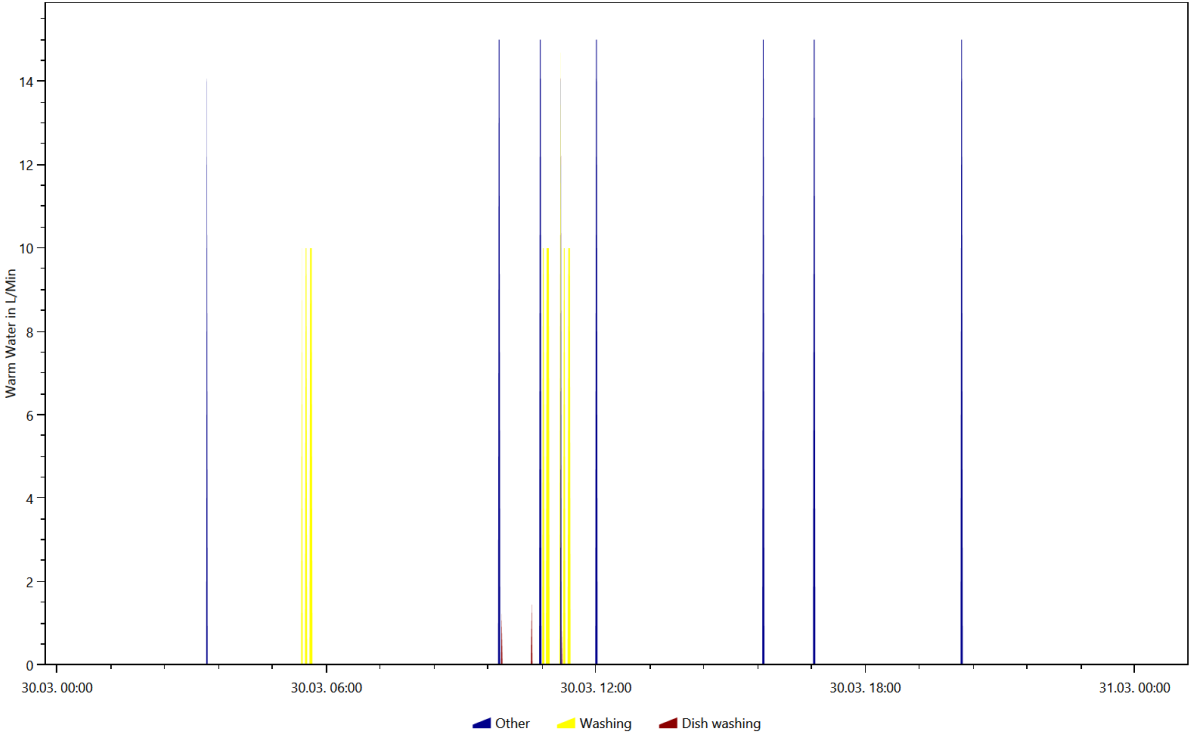
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.20



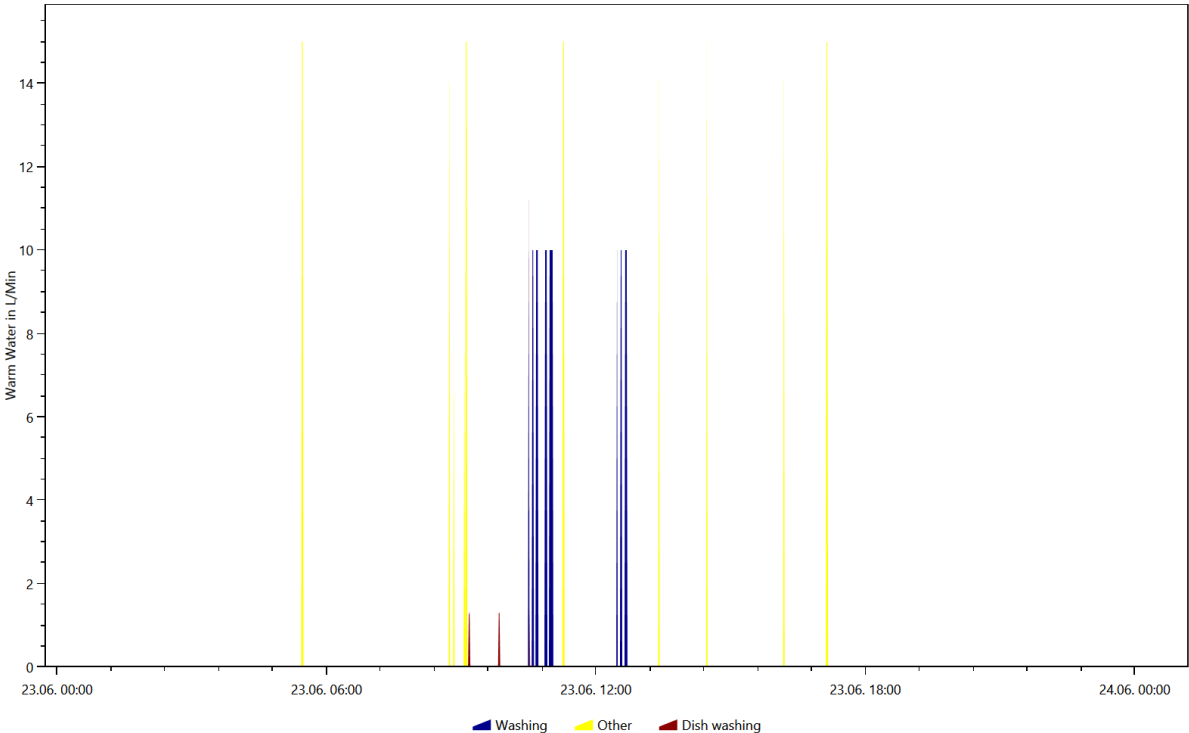
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.18



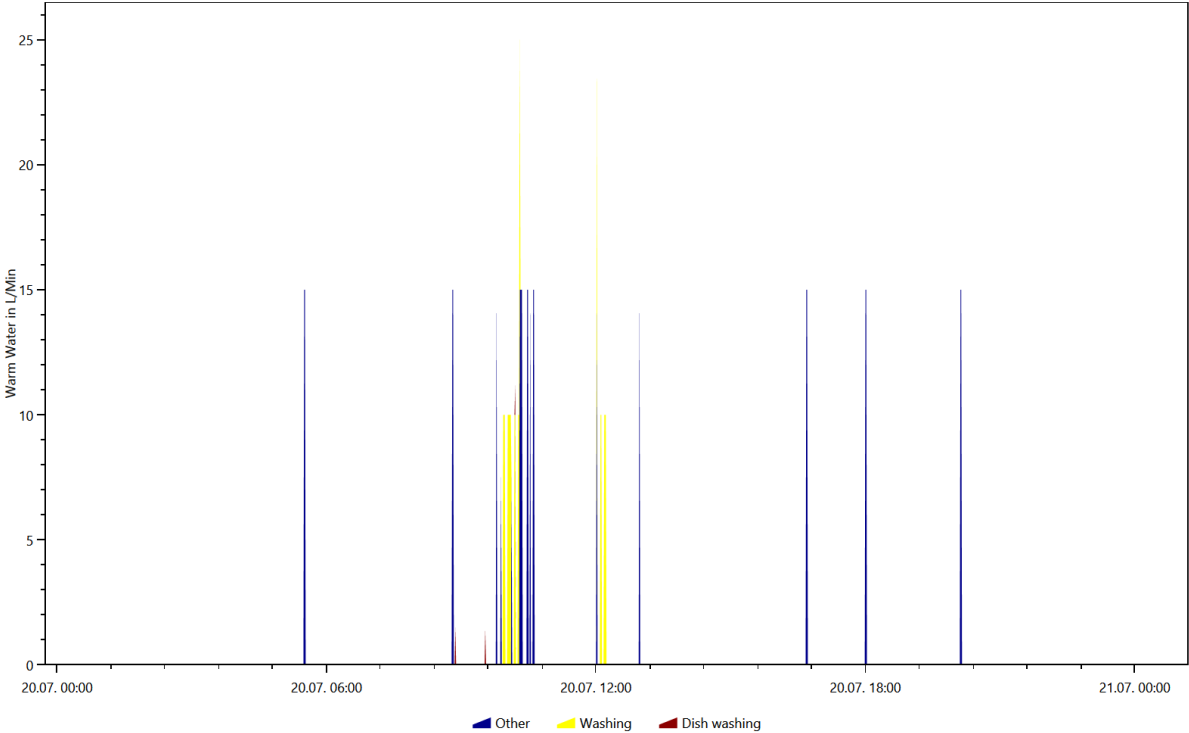
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.30



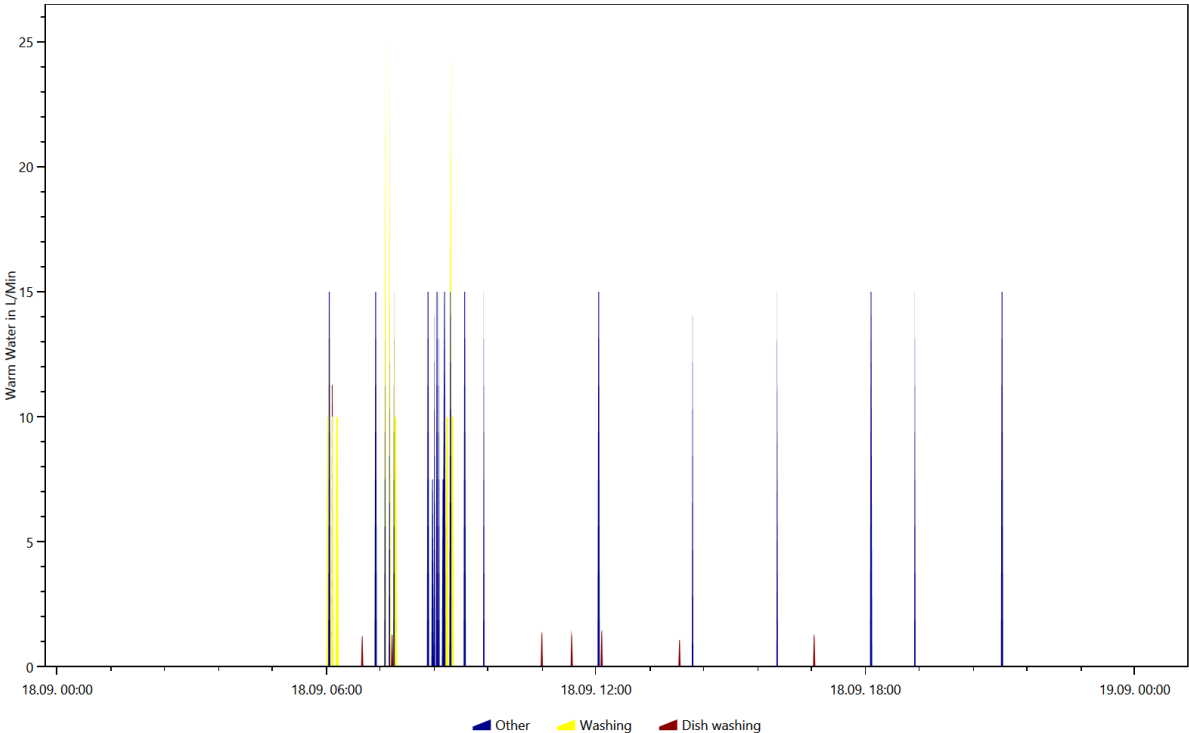
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.23



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.20



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

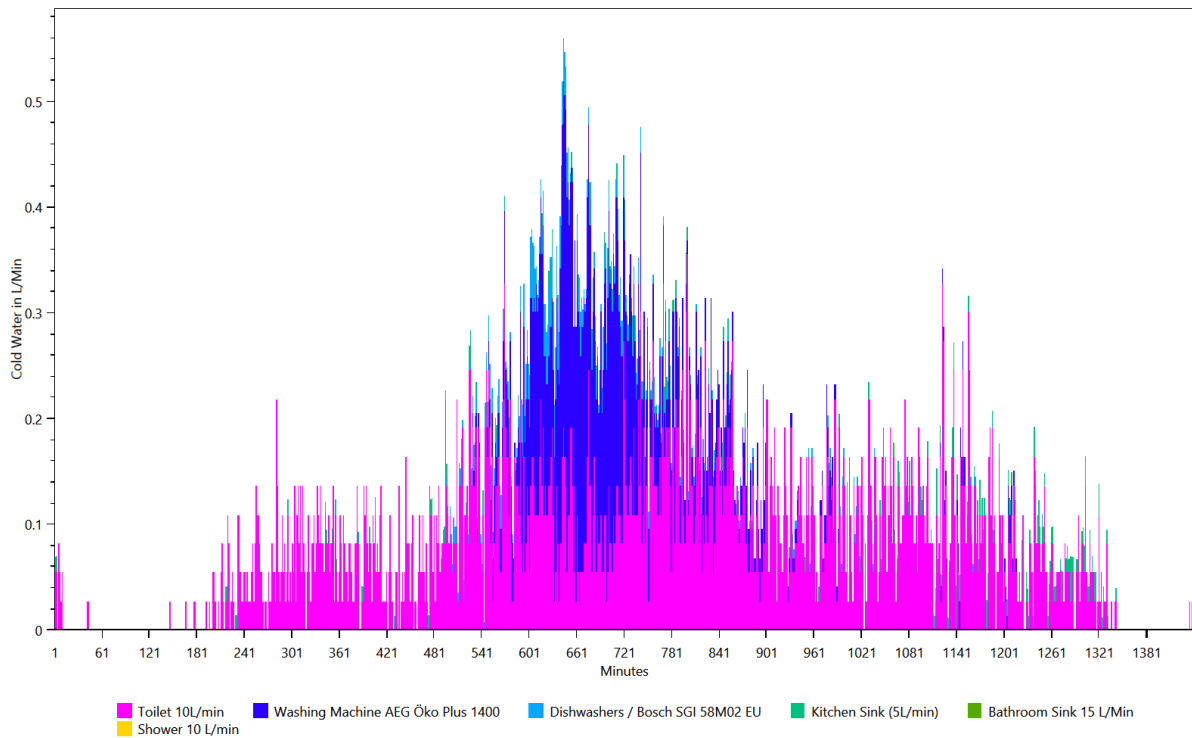


Overview of the time and power of the use per load type per device

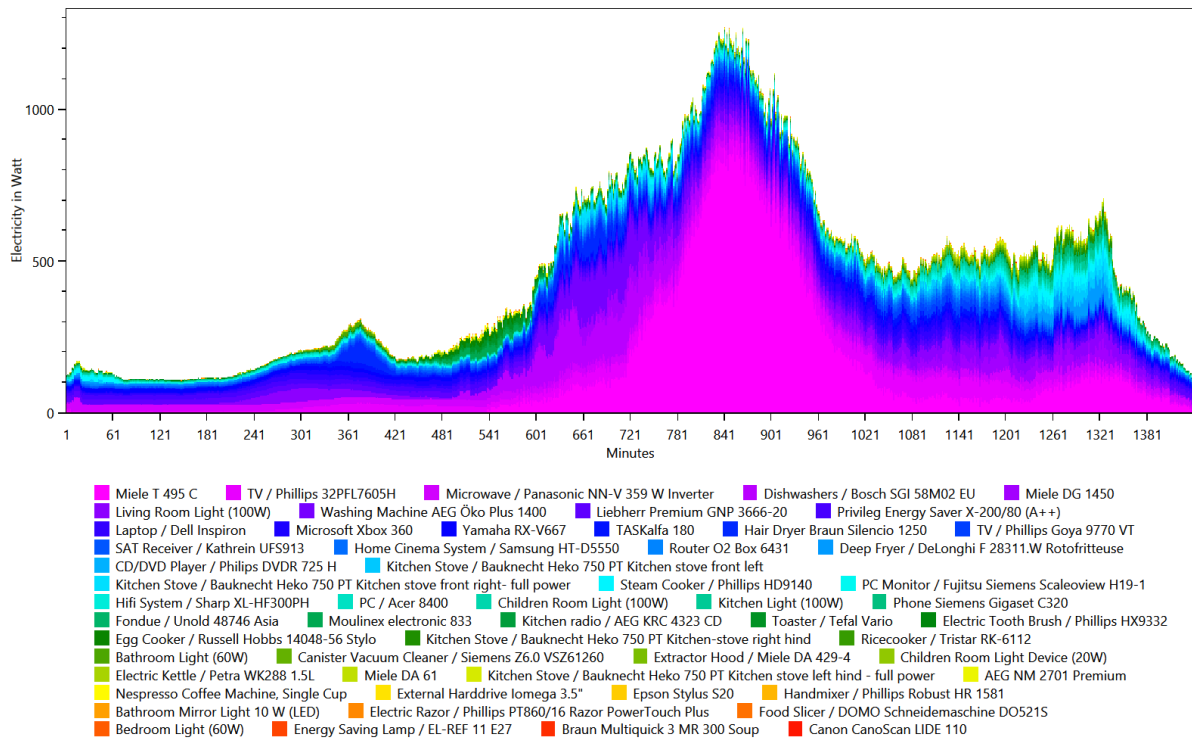
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

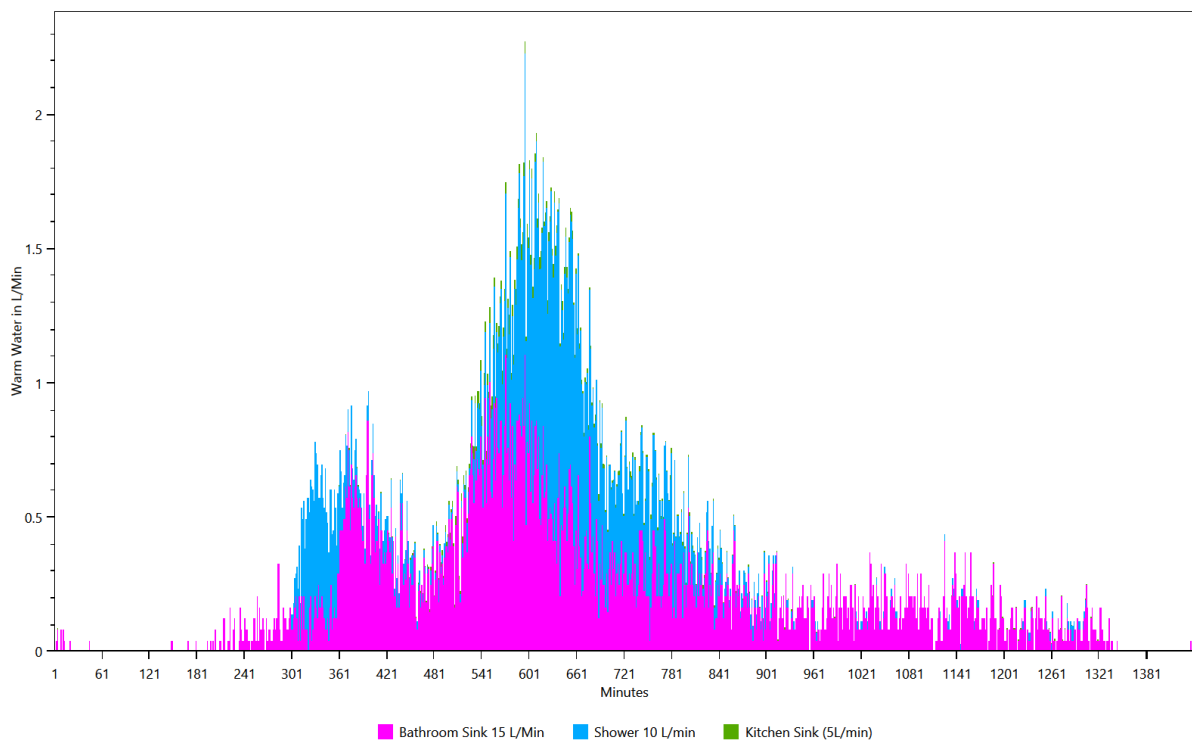
Cold Water



Electricity



Warm Water

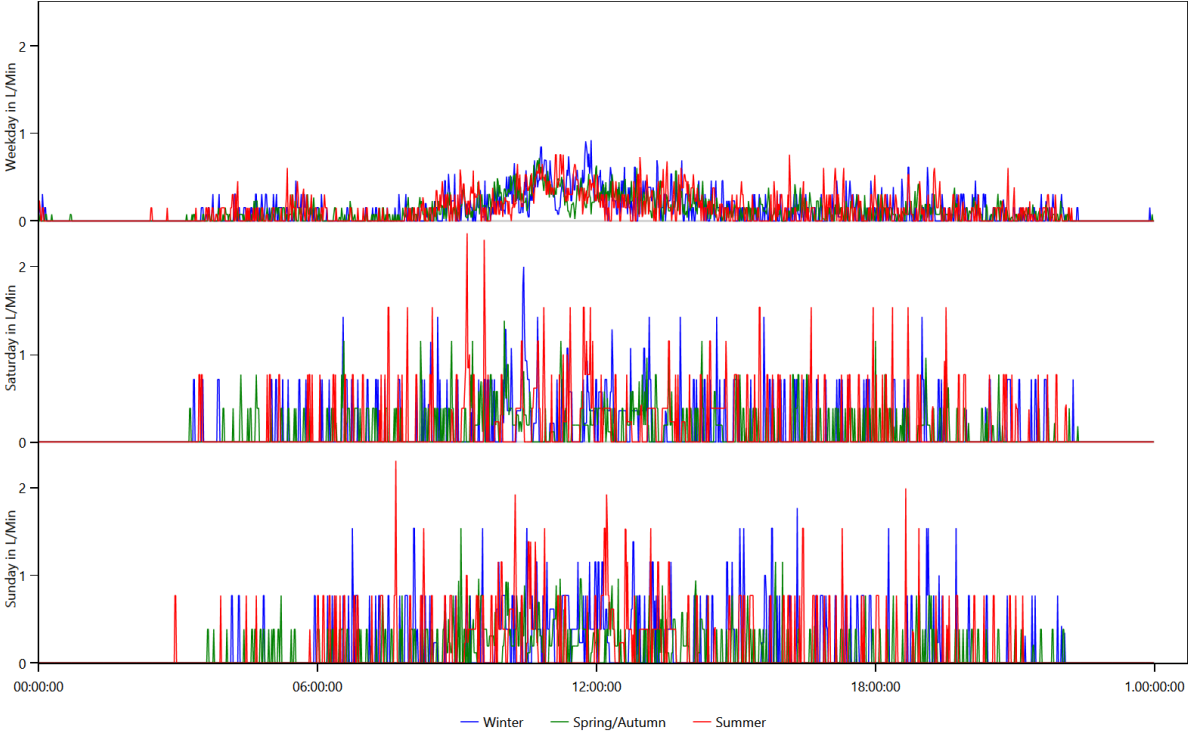


Energy use per load type during different seasons, split by weekday/saturday/sunday

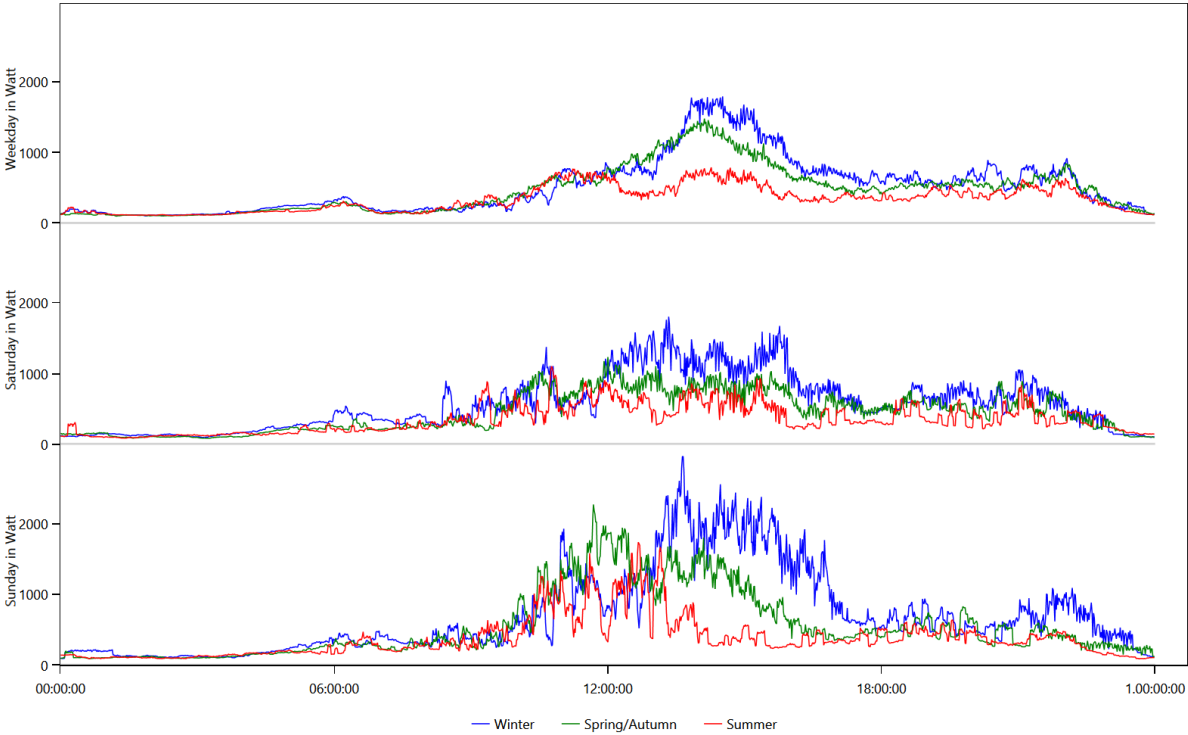
This is made from the files starting with: WeekdayProfiles

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

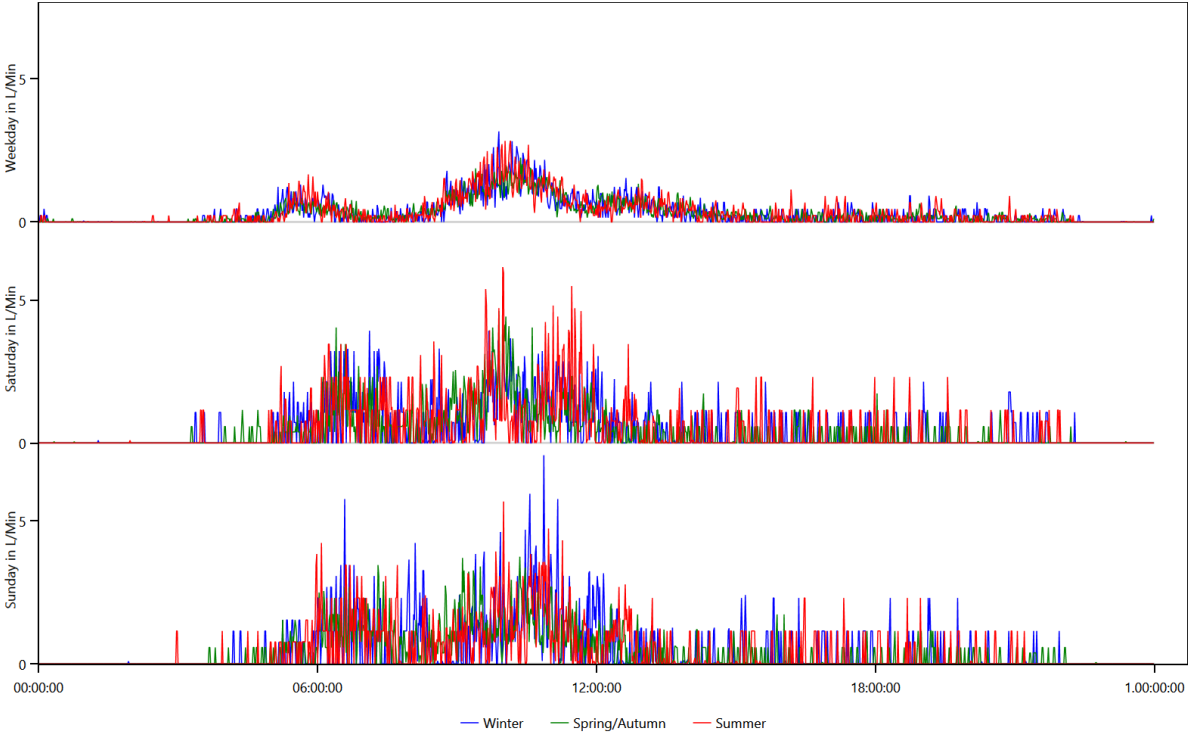
Cold Water



Electricity



Warm Water

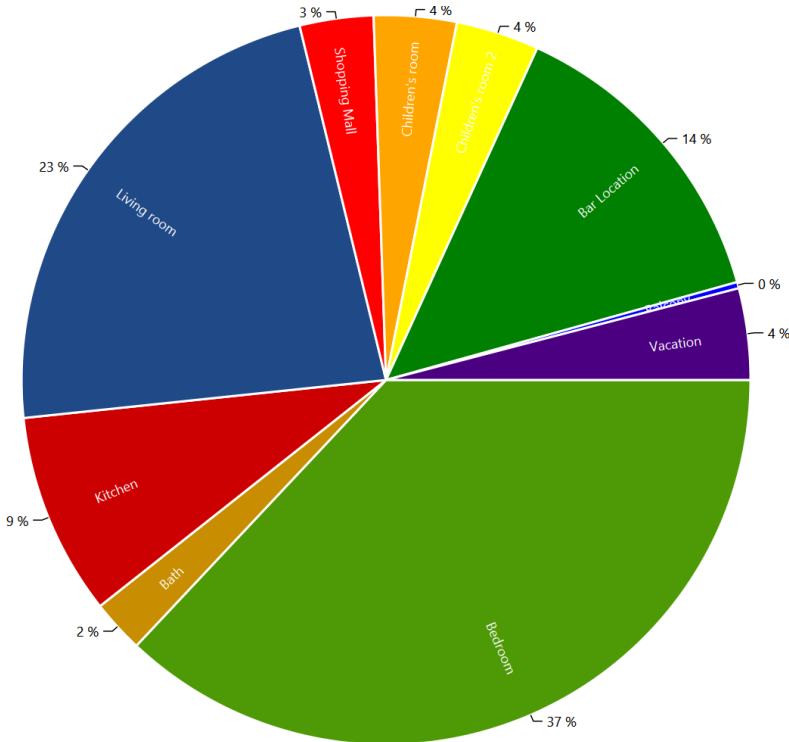


Location Distribution per Person

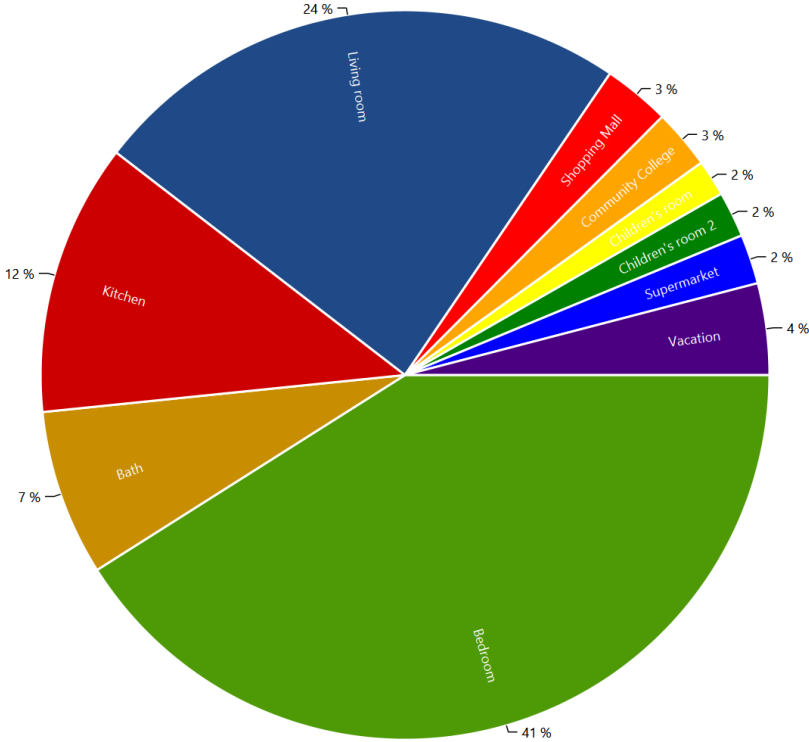
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

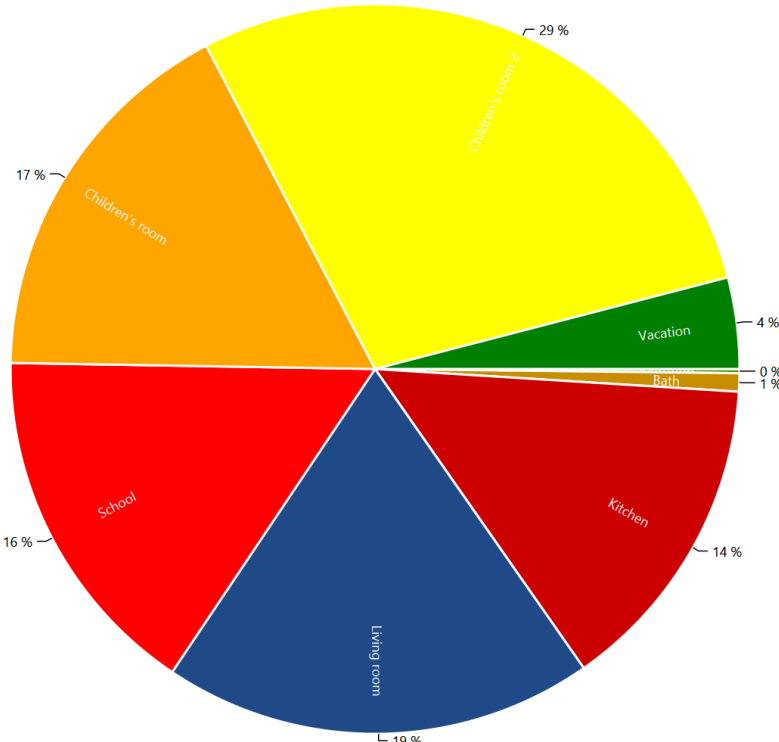
CHR18 Dan (37 Male)



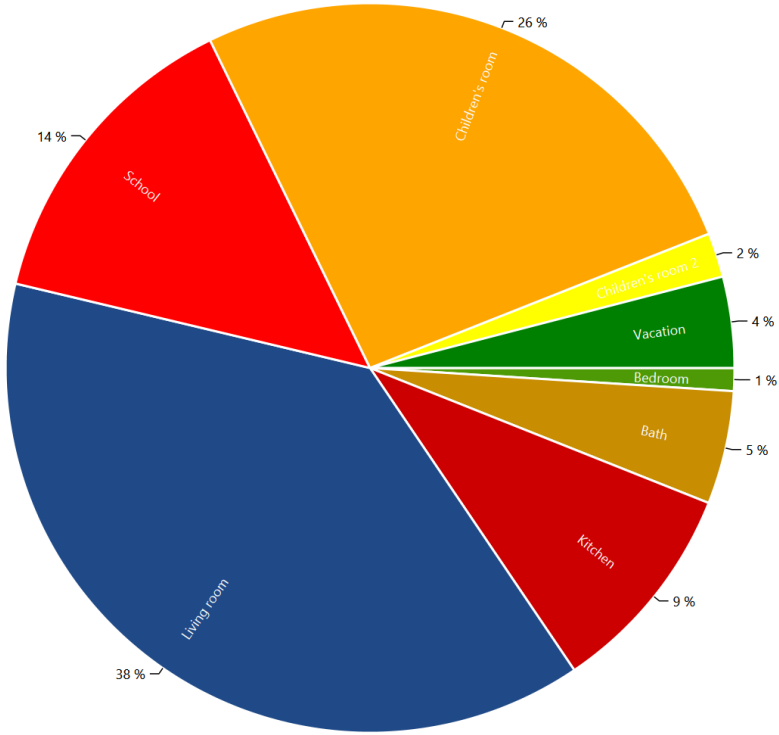
CHR18 Rachel (35 Female)



CHR18 Simon (8 Male)



CHR18 Sora (12 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

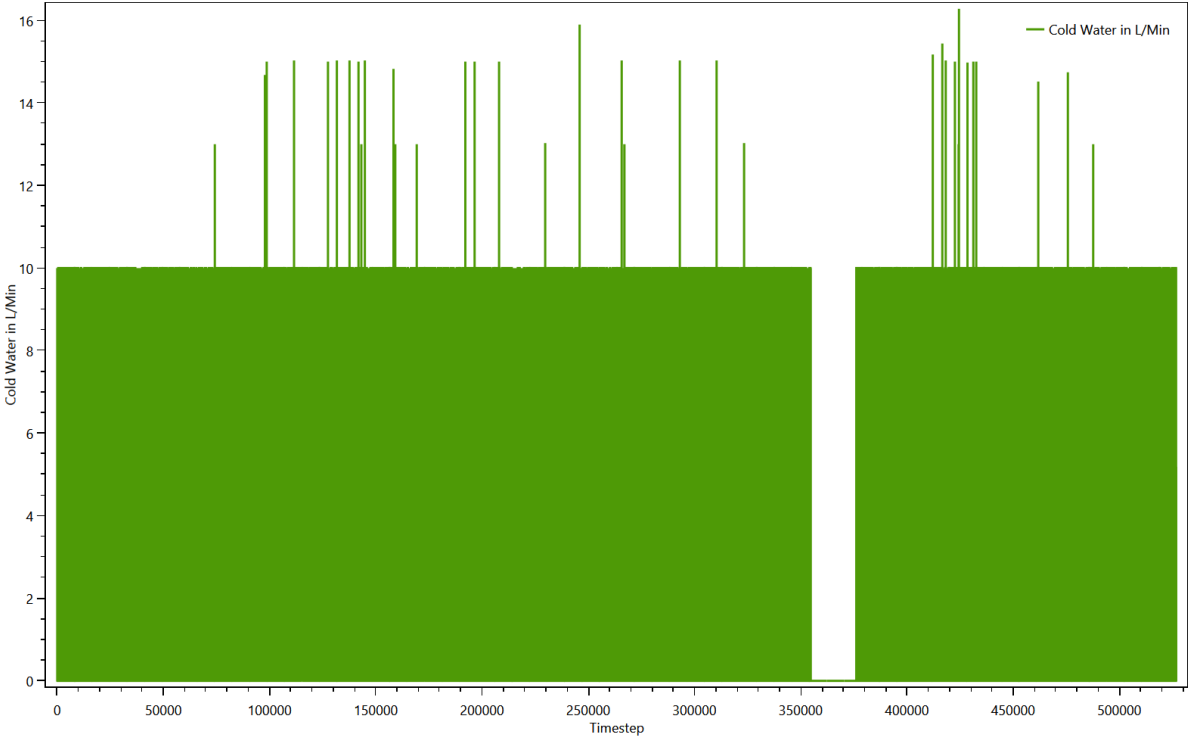
```
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHR18 Dan (37/Male);go to a bar (4 h);Outside recreation;False;
0;01.01.2016 00:00;CHR18 Rachel (35/Female);sleep bed 02 (10 h);sleep;False;
0;01.01.2016 00:00;CHR18 Simon (8/Male);sleep bed 04 (10 h) Child;sleep;False;
0;01.01.2016 00:00;CHR18 Sora (12/Female);sleep bed 03 (08 h) Child;sleep;False;
5;01.01.2016 00:05;CHR18 Dan (37/Male);go to the toilet;hygiene;False;
10;01.01.2016 00:10;CHR18 Dan (37/Male);fry two eggs and eat them with toast;cooking;False;
28;01.01.2016 00:28;CHR18 Dan (37/Male);sleep bed 01 (10 h);sleep;False;
261;01.01.2016 04:21;CHR18 Sora (12/Female);use the laptop (1.5 h);Active Entertainment (Computer, Internet
etc);False;
350;01.01.2016 05:50;CHR18 Sora (12/Female);watch a movie for 2 h with home cinema system;Passive
Entertainment (TV etc.);False;
410;01.01.2016 06:50;CHR18 Simon (8/Male);go to primary school ;school;False;
431;01.01.2016 07:11;CHR18 Rachel (35/Female);go to the toilet;hygiene;False;
436;01.01.2016 07:16;CHR18 Rachel (35/Female);eat breakfast (1 h);cooking;False;
447;01.01.2016 07:27;CHR18 Dan (37/Male);eat a cooked meal (interrupting) (eat breakfast (1
h));cooking;False;
447;01.01.2016 07:27;CHR18 Sora (12/Female);eat a cooked meal (interrupting) (eat breakfast (1
h));cooking;False;
511;01.01.2016 08:31;CHR18 Dan (37/Male);sleep bed 01 (10 h);sleep;False;
511;01.01.2016 08:31;CHR18 Rachel (35/Female);get ready in the morning (women);hygiene;False;
511;01.01.2016 08:31;CHR18 Sora (12/Female);go to the toilet;hygiene;False;
517;01.01.2016 08:37;CHR18 Sora (12/Female);use the laptop (1 h);Active Entertainment (Computer, Internet
etc);False;
536;01.01.2016 08:56;CHR18 Rachel (35/Female);watch a movie for 2 h with home cinema system;Passive
Entertainment (TV etc.);False;
```

Sum Profiles

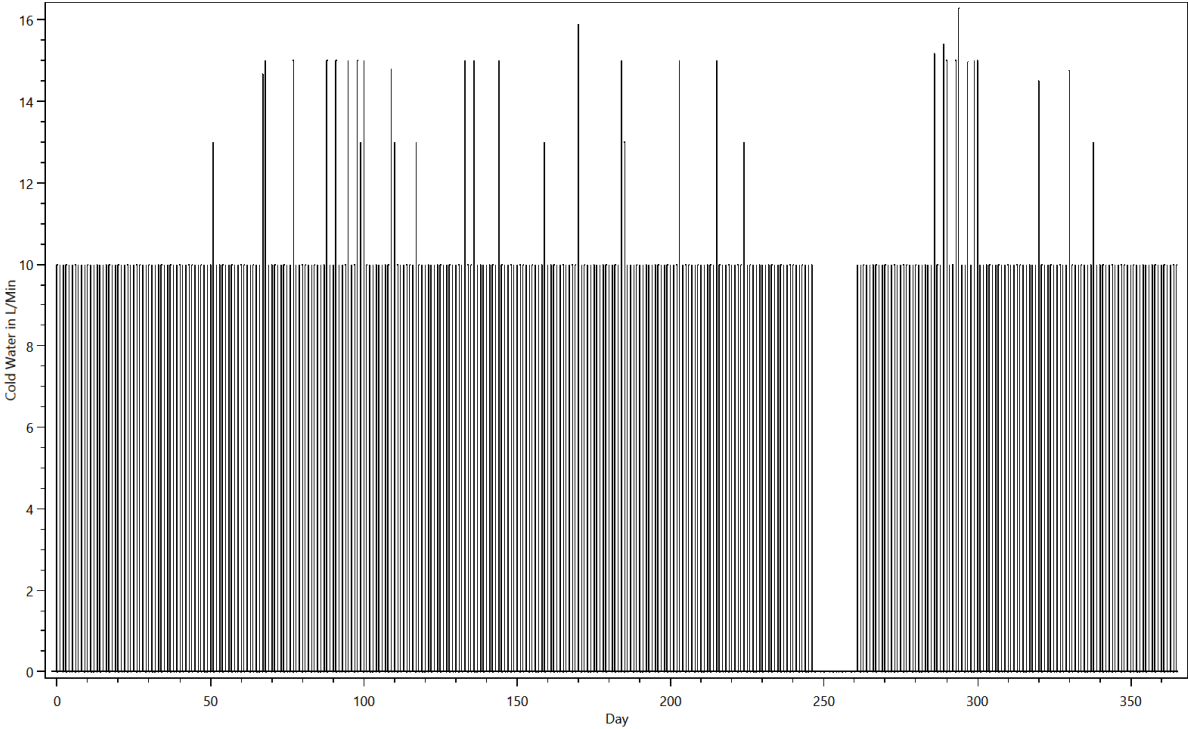
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

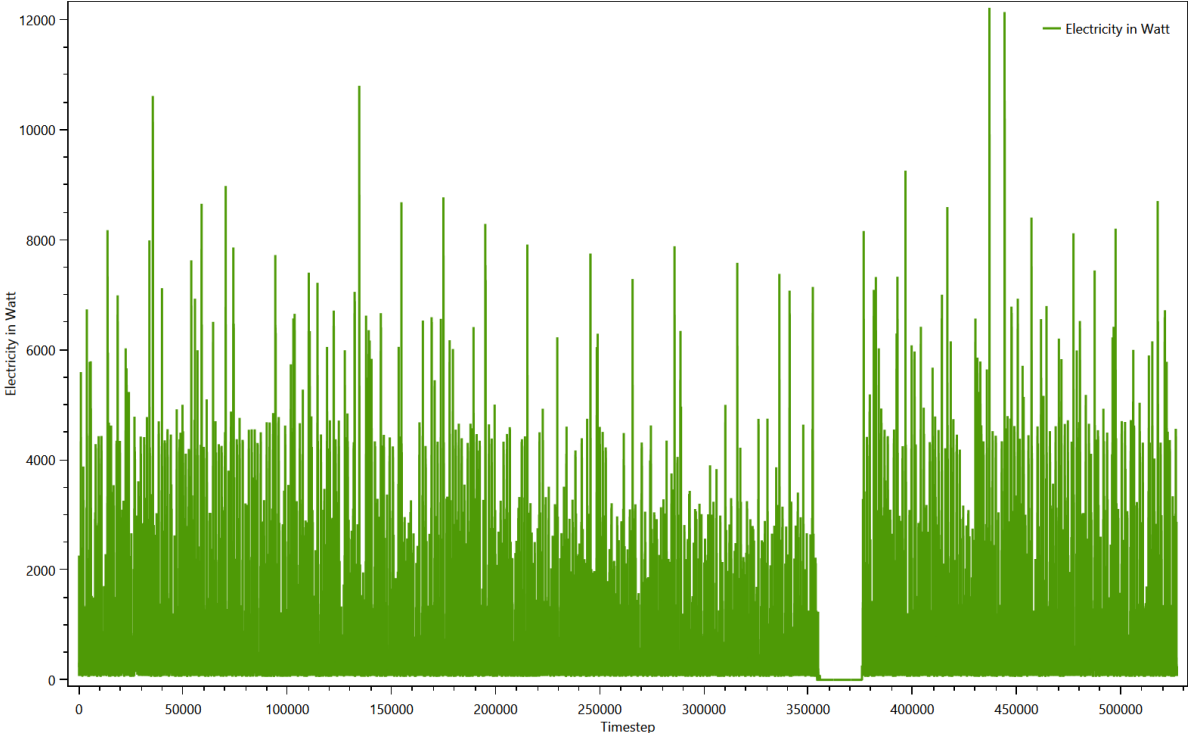
Summed up curve for Cold Water from SumProfiles.Cold Water.png



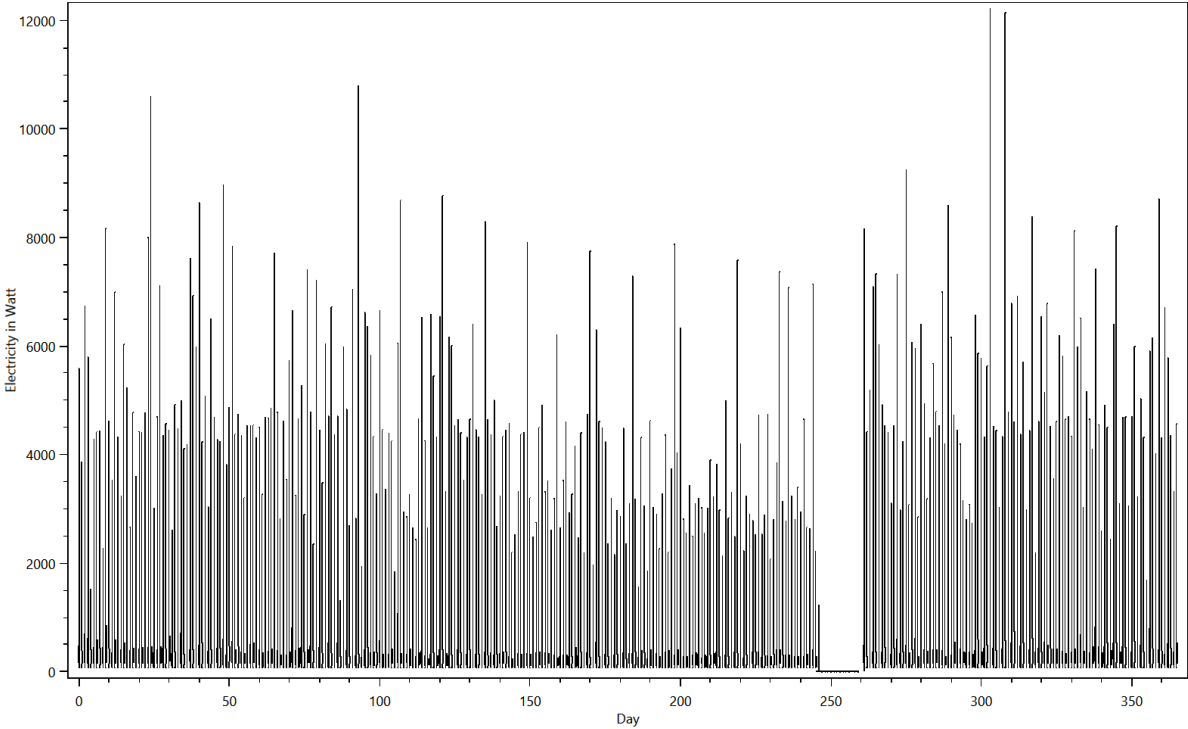
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax..png



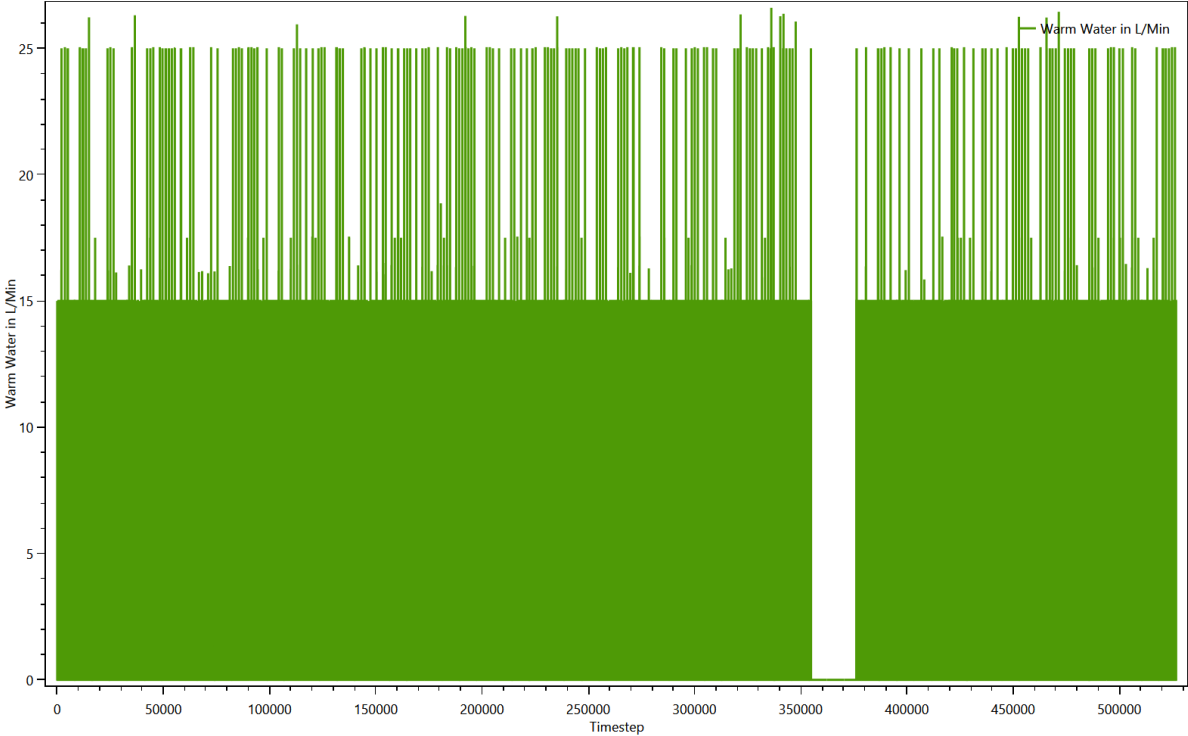
Summed up curve for Electricity from SumProfiles.Electricity.png



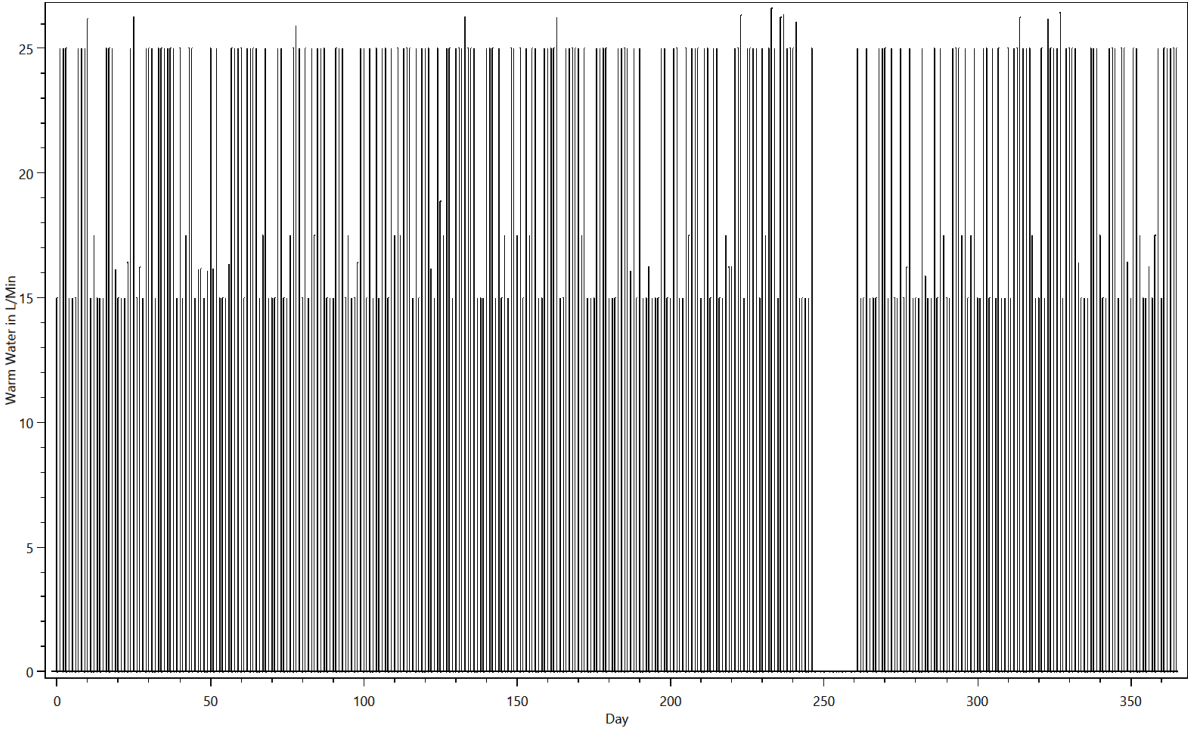
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax.png



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.CHR18 Family, 2 children, parents without work 0.txt

Device;Load Type;Profile;Number of Activations

AEG NM 2701 Premium;Electricity;01 h 0 min 100% [Synthetic];92

Balcony Flower Pots;None;01 h 0 min 100% [Synthetic];24

Bar;None;04 h 0 min 100% [Synthetic];310

Bathroom Light (60W);Electricity;Bath - light [Synthetic for Light Device];1004

Bathroom Mirror Light 10 W (LED);Electricity;Bath - light [Synthetic for Light Device];1004

Bathroom Sink 15 L/Min;Warm Water;0 h 01 min 100% [Synthetic];4623

Bathroom Sink 15 L/Min;Warm Water;0 h 01 min 50% [Synthetic];586

Bed 1;None;10 h 0 min 100% [Synthetic];347

Bed 2;None;10 h 0 min 100% [Synthetic];352

Bed 3 (Children);None;08 h 0 min 100% [Synthetic];354

Bed 4;None;10 h 0 min 100% [Synthetic];354

Bedroom Light (60W);Electricity;Bedroom - light [Synthetic for Light Device];14

Book;None;01 h 0 min 100% [Synthetic];42

Braun Multiquick 3 MR 300 Soup;Electricity;0 h 01 min 100% [Synthetic];10

CD/DVD Player / Philips DVDR 725 H;Electricity;01 h 30 min 100% [Synthetic];526

CD/DVD Player / Philips DVDR 725 H;Electricity;02 h 0 min 100% [Synthetic];179

CD/DVD Player / Philips DVDR 725 H;Electricity;Standby TV / Receiver 1 h 0 min 3% [Synthetic];8428

Canister Vacuum Cleaner / Siemens Z6.0 VSZ61260;Electricity;0 h 30 min 100% [Synthetic];21

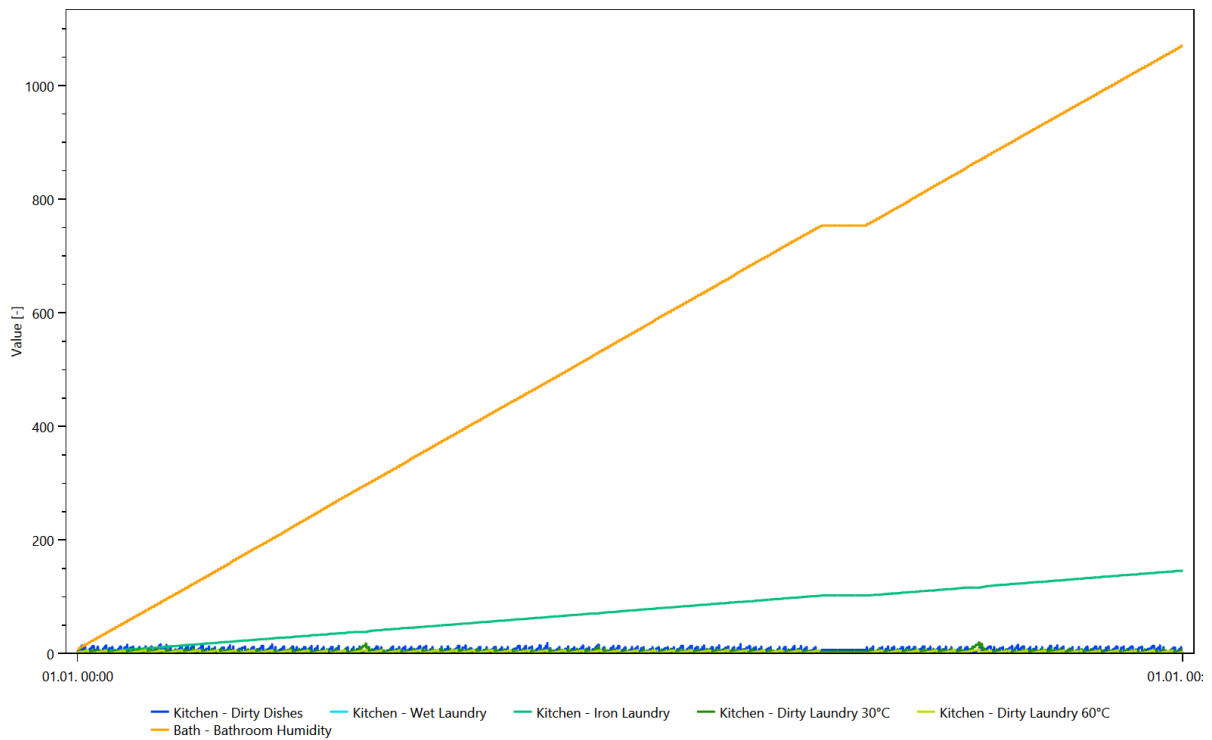
Canon CanoScan LIDE 110;Electricity;0 h 10 min 100% [Synthetic];175

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

