

Overview of the results of the household CHR44 Family with 2 children, 1 at work, 1 at home 0

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

Energy Intensity: Random

Seed 796

LoadProfileGenerator 5.8.0.16019

by Noah Pflugradt

<http://www.loadprofilegenerator.de>

Rendering date:16.12.2016 09:33:40

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Totals

Totals for each Loadtype

Load Type	Value	Unit
Cold Water	43193.30	L
Electricity	4224.73	kWh
Warm Water	243209.07	L

Totals for each Loadtype per Day

Load Type	Value	Unit
Cold Water	118.01	L
Electricity	11.54	kWh
Warm Water	664.51	L

Minimum and Maximum for each Loadtype

Household	Minimum	Maximum	Unit
Cold Water	0.00	14.96	L/Min
Electricity	-1.59	12520.62	Watt
Warm Water	0.00	29.25	L/Min

Totals for each Loadtype per Person

Load Type	Value	Unit
Cold Water	10798.32	L
Electricity	1056.18	kWh

Warm Water	60802.27	L
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Totals for each Loadtype per Person per Day

Load Type	Value	Unit
Cold Water	29.50	L
Electricity	2.89	kWh
Warm Water	166.13	L

Persons

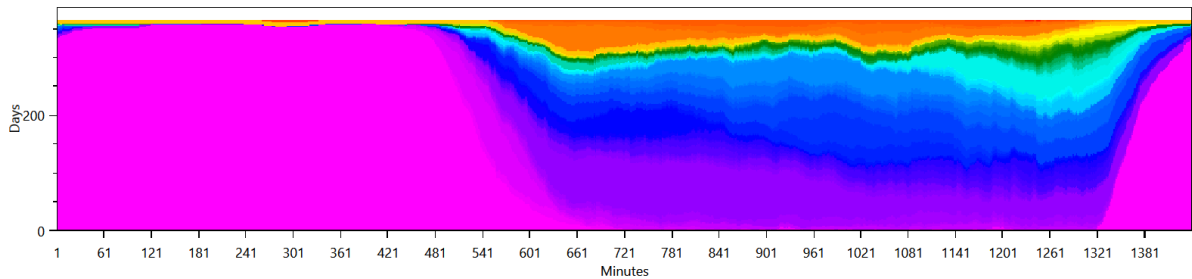
- HH0
 - CHR44 Barbara (43/Female)(43/Female)
 - CHR44 Christopher (16/Male)(16/Male)
 - CHR44 Rainer (45/Male)(45/Male)
 - CHR44 Sandy (14/Female)(14/Female)

Activity Frequency Charts

This is made from the files starting with: ActivityFrequenciesPerMinute

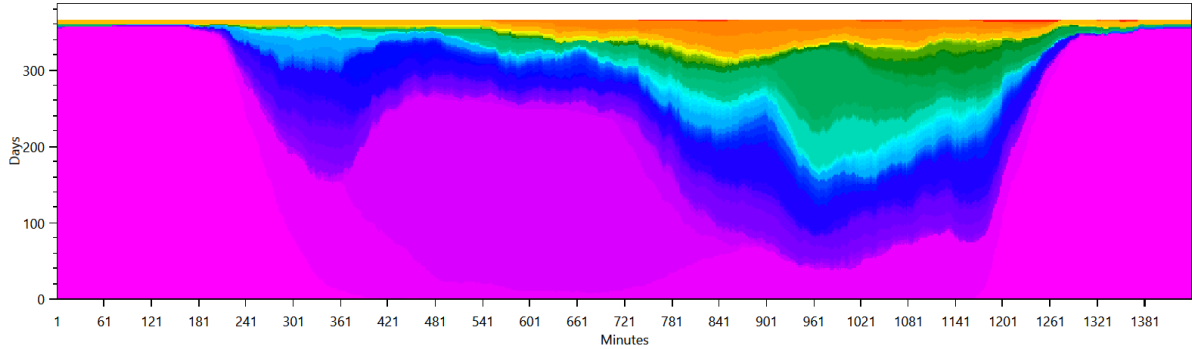
These charts show an ordered distribution of times of the activities of each person. This helps with judging quickly if a person is sleeping correctly and if they are going to work regularly.

HH0 - CHR44 Barbara (43 Female)



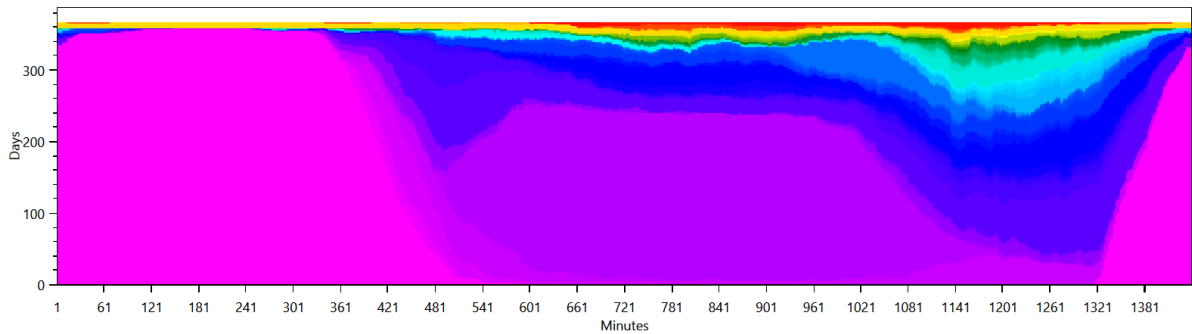
- sleep bed 02 (10 h)
- play board games (1 h)
- clean the bath
- watch a movie for 1 h 30 min with home cinema system
- hang up laundry outside
- take nap on the weekend (2 h)
- watch a movie for 2 h with home cinema system
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- cook food with a deep fryer and eat it
- microwave frozen meal and eat it
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- watch a movie for 1 h 30 min
- heat up leftovers
- use the computer (2 h)
- watch TV (1 h)
- fry two eggs and eat them with toast
- join Wii gaming (play Wii)
- eat a cooked meal (interrupting) (make fondue and eat it)
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- read a book on the couch only 9:00 to 22:00
- eat a cooked meal (interrupting) (cook pasta and eat it)
- eat a cooked meal (interrupting) (heat up leftovers)
- run the dishwasher (triggered)
- go to the toilet
- take a shower without hair washing (women)
- 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)
- listen to music on hifi (2 h)
- vacuum the household
- make frozen pizza and eat it
- use the computer with external HD (1 h)
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- eat small breakfast (25min) interrupting subaff, no alarm
- use the laptop for Internet, Movie, Music, News (2 h)
- bake a cake
- bake bread
- paint a picture
- make fondue and eat it
- do laundry at 30°C (by variable)
- go shopping for food in the supermarket (1.5 h)
- invite friends for coffee
- take a shower with electric air heater
- cook food with steam cooker and eat it
- take a shower with hair washing (women) (20 min hair drying)
- eat a cooked meal (interrupting) (make roulades and eat them)
- watch the news
- cook a sunday feast with extractor hood and eat it
- watch TV with someone (watch a movie for 2 h)
- watch TV with someone (watch sports on TV with SAT Receiver (2 h))
- use the computer (1.5 h)
- use the computer for recreation (2 h)
- use the laptop (1.5 h)
- use the computer (1 h)
- watch sports on TV with SAT Receiver (2 h)
- watch TV with someone (watch a movie for 1 h 30 min)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- read a newspaper for 30min
- taking a vacation
- take a nap
- read a magazine
- read a book on the couch all the time
- do garden work every day
- relax in the garden 2
- relax in the garden
- eat a cooked meal (interrupting) (make soup)
- watch TV with someone (watch TV (1 h))
- eat a cooked meal (interrupting) (make soup)

HH0 - CHR44 Christopher (16 Male)



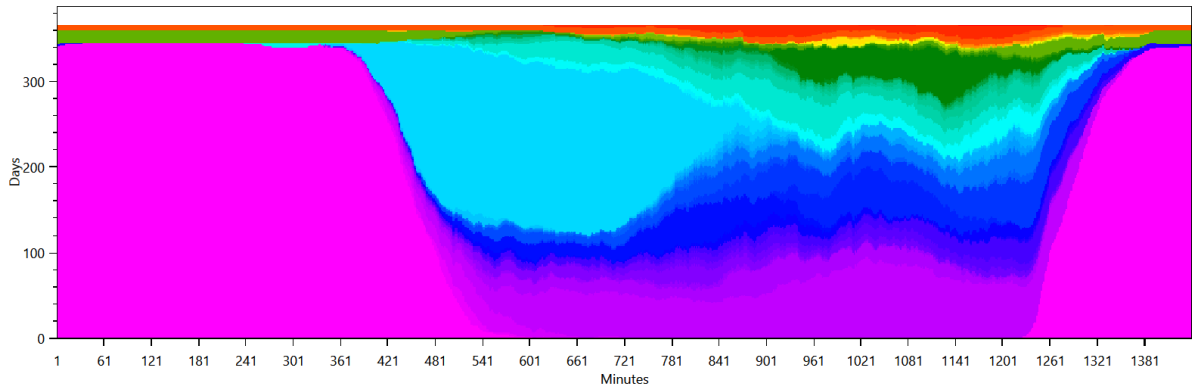
- sleep bed 03 (08 h) Child
- use the laptop for Internet, Movie, Music, News (2 h)
- go to grammer school
- take a shower (men)
- go to the toilet
- make soup
- play board games (1 h)
- watch a movie for 2 h with home cinema system
- play Wii
- play a puzzle game
- microwave frozen meal and eat it
- paint a picture
- listen to music on hifi (2 h)
- get ready in the morning (men)
- eat small breakfast (25min) interrupting subaff, no alarm
- watch TV with someone (watch a movie for 2 h with home cinema system)
- use the computer (2 h)
- watch a movie for 1 h 30 min
- use the computer for recreation (2 h)
- eat a cooked meal (interrupting) (make fondue and eat it)
- watch a movie for 2 h
- use the computer (1 h)
- fry two eggs and eat them with toast
- watch a movie for 1 h 30 min with home cinema system
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- make custom pizza and eat it
- cook food with rice and eat it
- cook pasta and eat it
- watch sports on TV with SAT Reciever (2 h)
- use the computer (1.5 h)
- watch TV (1 h)
- take nap on the weekend (2 h)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- bake a cake
- cook a sunday feast with extractor hood and eat it
- throw party
- do homework
- visit the cinema
- make frozen pizza and eat it
- make fondue and eat it
- 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)
- heat up leftovers
- use the laptop (1.5 h)
- eat a cooked meal (interrupting) (cook pasta and eat it)
- make mashed potatoes and eat them
- join Wii gaming (play Wii)
- use the computer with external HD (1 h)
- eat a cooked meal (interrupting) (make soup)
- 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)
- use the laptop (1 h)
- make and drink tea (15 min)
- take a nap
- read a newspaper for 30min
- read a magazine
- read a book on the couch all the time
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- taking a vacation
- eat a cooked meal (interrupting) (make roulades and eat them)
- relax in the garden 2
- relax in the garden
- eat a cooked meal (interrupting) (make roulades and eat them)
- watch TV with someone (watch a movie for 1 h 30 min)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- read a book on the couch only 9:00 to 22:00

HH0 - CHR44 Rainer (45 Male)



- sleep bed 08 (08 h)
- get ready in the morning (men)
- eat small breakfast (25min) interrupting subaff, no alarm
- watch a movie for 2 h with home cinema system
- work at the office from 8:00 (9 h)
- go to the toilet
- take a shower (men)
- fry two eggs and eat them with toast
- read a book (1 h)
- use the laptop for Internet, Movie, Music, News (2 h)
- watch a movie for 1 h 30 min with home cinema system
- play board games (1 h)
- paint a picture
- listen to music on hifi (2 h)
- read a book on the couch only 9:00 to 22:00
- watch TV with someone (watch a movie for 2 h with home cinema system)
- make custom pizza and eat it
- read a book on the couch all the time
- play Wii
- play a puzzle game
- take nap on the weekend (2 h)
- use the computer with external HD (1 h)
- make frozen pizza and eat it
- join watching a movie in the home cinema (watch a movie for 1 h 30 min with home cinema system)
- cook food with steam cooker and eat it
- make roulades and eat them
- make fondue and eat it
- microwave frozen meal and eat it
- watch TV with someone (watch TV (1 h))
- cook a sunday feast with extractor hood and eat it
- visit an opera
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- heat up leftovers
- make soup
- cook food with rice and eat it
- eat a cooked meal (interrupting) (make fondue and eat it)
- use the computer (1.5 h)
- eat a cooked meal (interrupting) (make soup)
- use the computer for recreation (2 h)
- make mashed potatoes and eat them
- join Wii gaming (play Wii)
- cook pasta and eat it
- eat a cooked meal (interrupting) (cook food with steam cooker and eat it)
- 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
- make and drink tea (15 min)
- use the computer (2 h)
- take a nap
- read a newspaper for 30min
- read a magazine
- cook food with a deep fryer and eat it
- use the computer (1 h)
- use the laptop (1.5 h)
- watch sports on TV with SAT Reciever (2 h)
- eat a cooked meal (interrupting) (make roulades and eat them)
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- taking a vacation
- bake a cake
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- join watching a movie in the home cinema (watch a movie for 2 h with home cinema system)
- eat a cooked meal (interrupting) (make custom pizza and eat it)
- watch the news
- use the laptop (1 h)
- relax in the garden 2
- watch TV with someone (watch a movie for 2 h)
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- relax in the garden
- watch TV with someone (watch a movie for 1 h 30 min)

HH0 - CHR44 Sandy (14 Female)



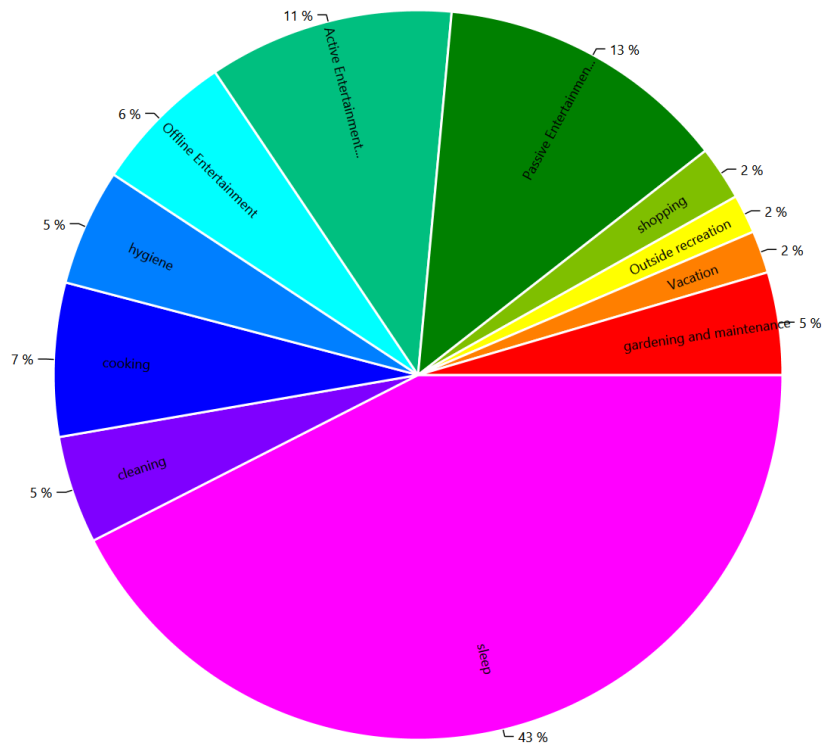
- sleep bed 05 (10 h) Child
- get ready in the morning (children)
- eat small breakfast (25min) interrupting subaff, no alarm
- use the laptop for Internet, Movie, Music, News (2 h)
- watch a movie for 1 h 30 min with home cinema system
- go to the toilet
- take a shower with hair washing (women) (5 min hair drying)
- play with toys (1 h)
- play board games (1 h)
- read a book on the couch all the time
- watch a movie for 1 h 30 min
- eat a cooked meal (interrupting) (make fondue and eat it)
- watch TV with someone (watch a movie for 2 h with home cinema system)
- take a shower without hair washing (women)
- take nap on the weekend (2 h)
- read a book on the couch only 9:00 to 22:00
- take a shower with hair washing (women) (20 min hair drying)
- play with toys 30min
- listen to music on hifi (2 h)
- watch TV with someone (watch a movie for 1 h 30 min)
- paint a picture
- play Wii
- microwave frozen meal and eat it
- go to grammar school
- make soup
- play with toys (1.5 h)
- eat a cooked meal (interrupting) (cook food with rice and eat it)
- watch a movie for 2 h with home cinema system
- eat a cooked meal (interrupting) (cook pasta and eat it)
- play with toys (2 h)
- watch TV with someone (watch a movie for 1 h 30 min with home cinema system)
- play a puzzle game
- make frozen pizza and eat it
- eat a cooked meal (interrupting) (cook a sunday feast with extractor hood and eat it)
- 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)
- heat up leftovers
- do homework
- eat a cooked meal (interrupting) (make mashed potatoes and eat them)
- use the computer (1.5 h)
- make and drink tea (15 min)
- use the computer with external HD (1 h)
- sleep bed 05 (12 h) Child
- take a nap
- watch TV with someone (watch a movie for 2 h)
- read a magazine
- watch TV with someone (watch sports on TV with SAT Reciever (2 h))
- use the laptop (1.5 h)
- eat a cooked meal (interrupting) (make soup)
- watch sports on TV with SAT Reciever (2 h)
- eat a cooked meal (interrupting) (heat up leftovers)
- read a book (1 h)
- watch TV with someone (watch TV (1 h))
- 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 2 h with home cinema system)
- join Wii gaming (play Wii)
- eat a cooked meal (interrupting) (cook food with a deep fryer and eat it)
- eat a cooked meal (interrupting) (make roulades and eat them)
- taking a vacation
- eat a cooked meal (interrupting) (make frozen pizza and eat it)
- relax in the garden 2
- use the laptop (1 h)
- watch a movie for 2 h

Activity Distribution per Person

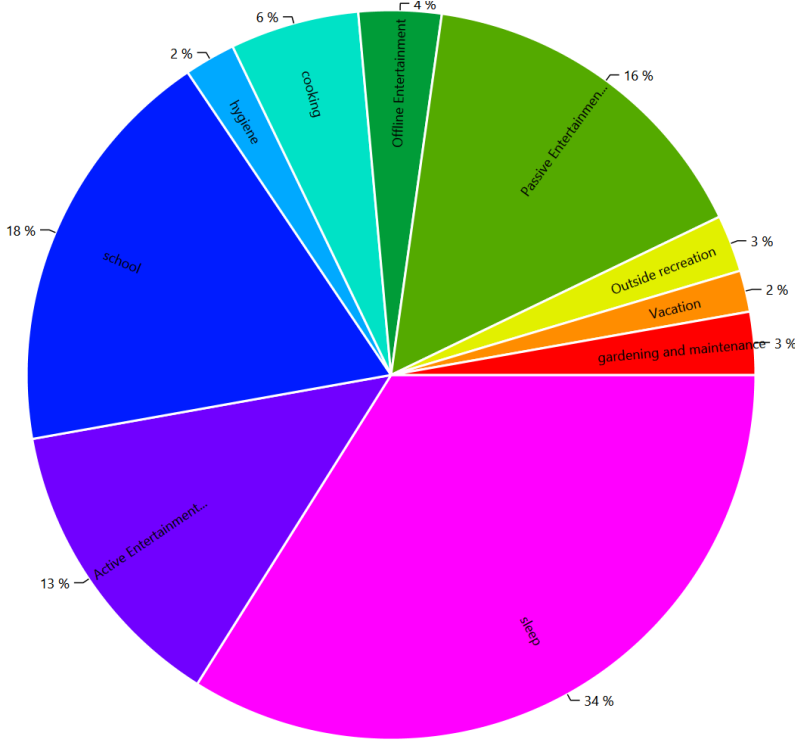
This is made from the files starting with: ActivityPercentage

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

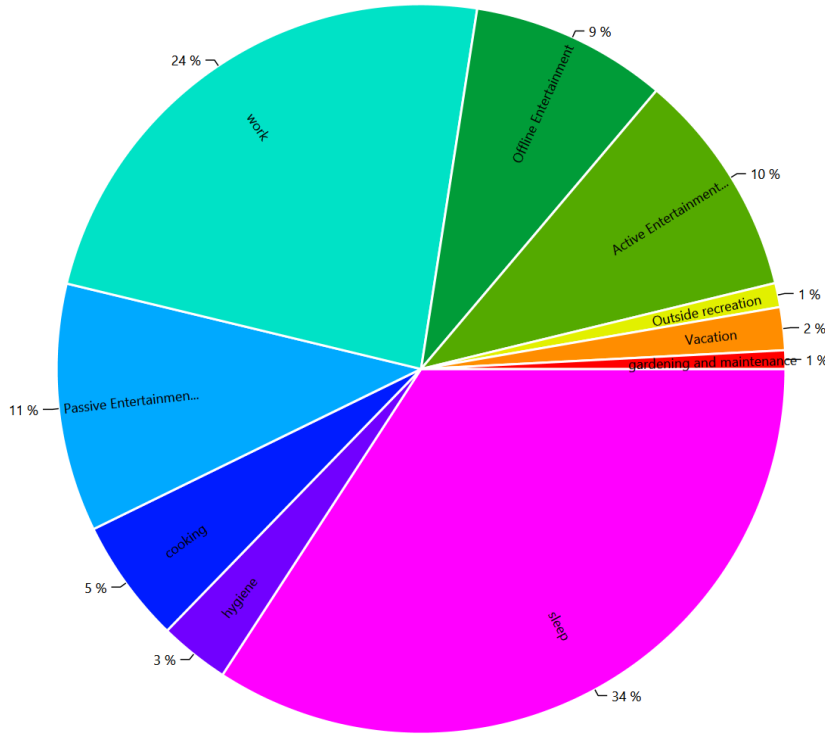
HH0 - CHR44 Barbara (43 Female)



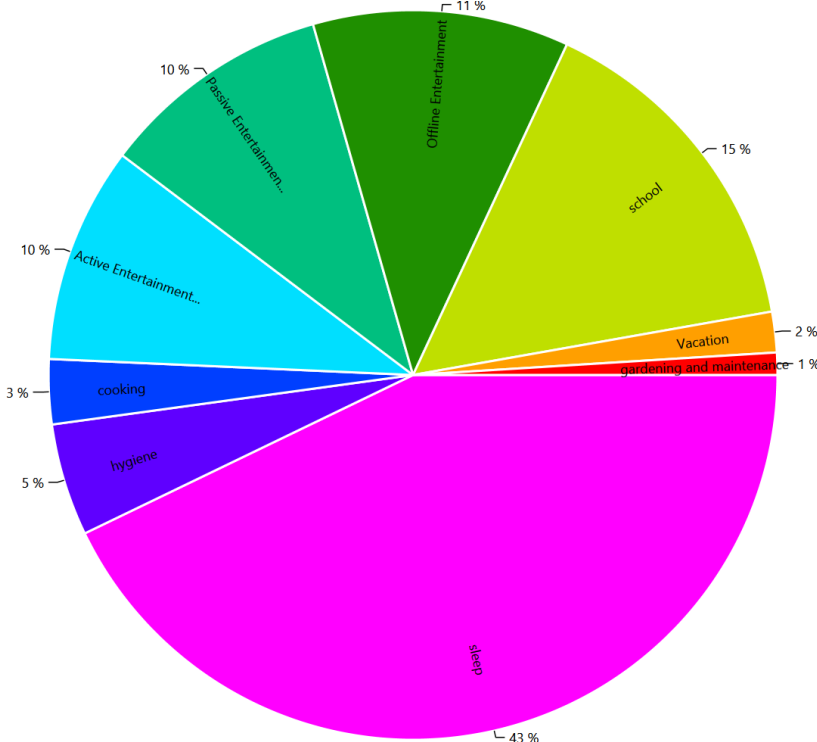
HH0 - CHR44 Christopher (16 Male)



HH0 - CHR44 Rainer (45 Male)



HH0 - CHR44 Sandy (14 Female)

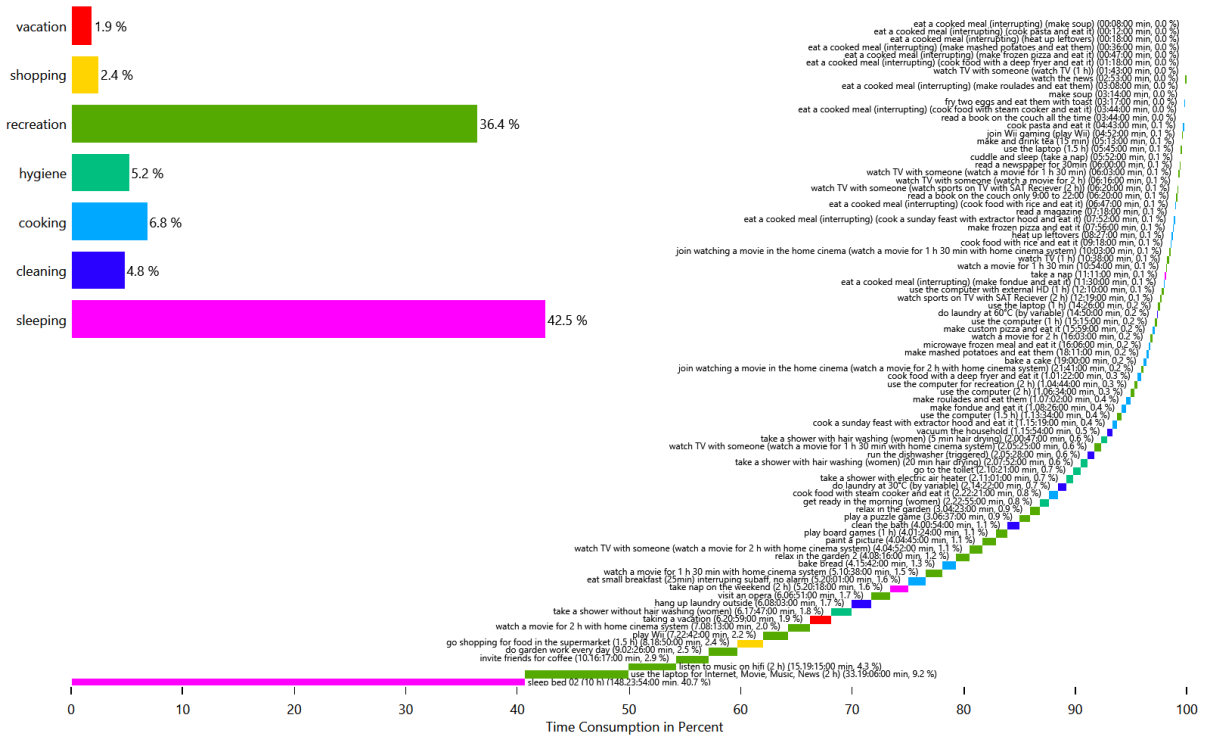


Time Use per Person per Affordance Per Person

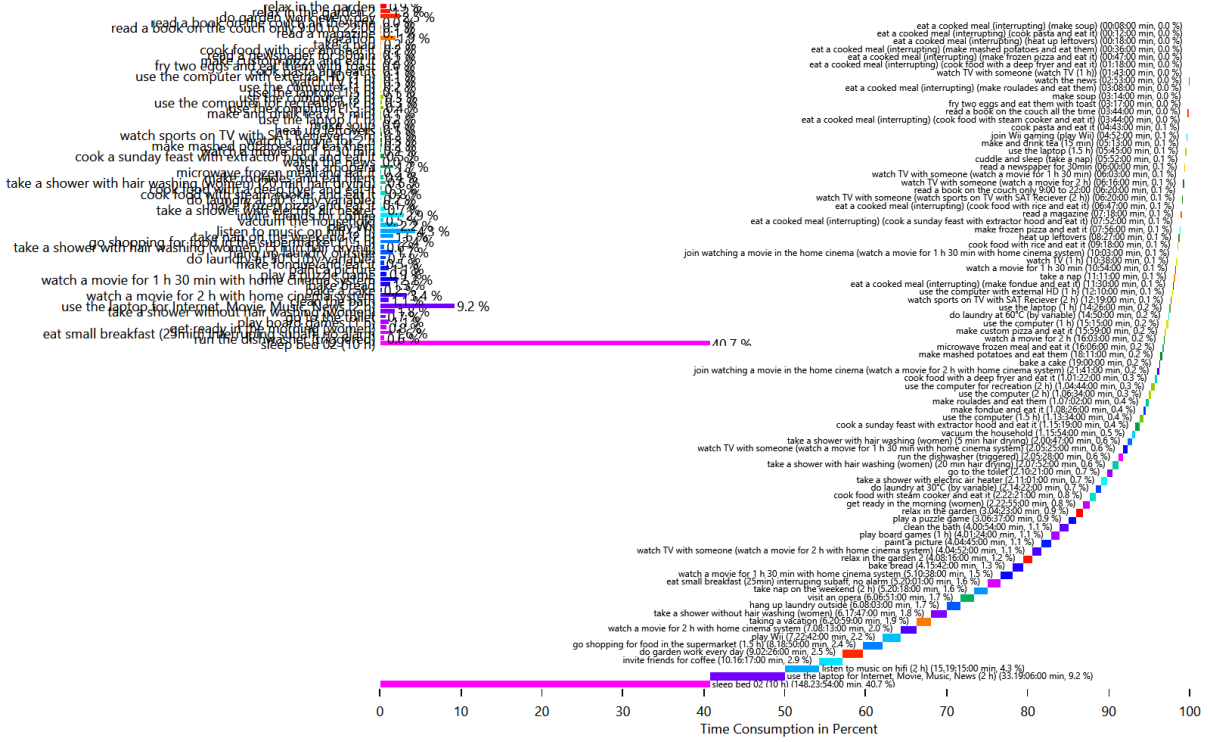
This is made from the files starting with: AffordanceTimeUse

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.

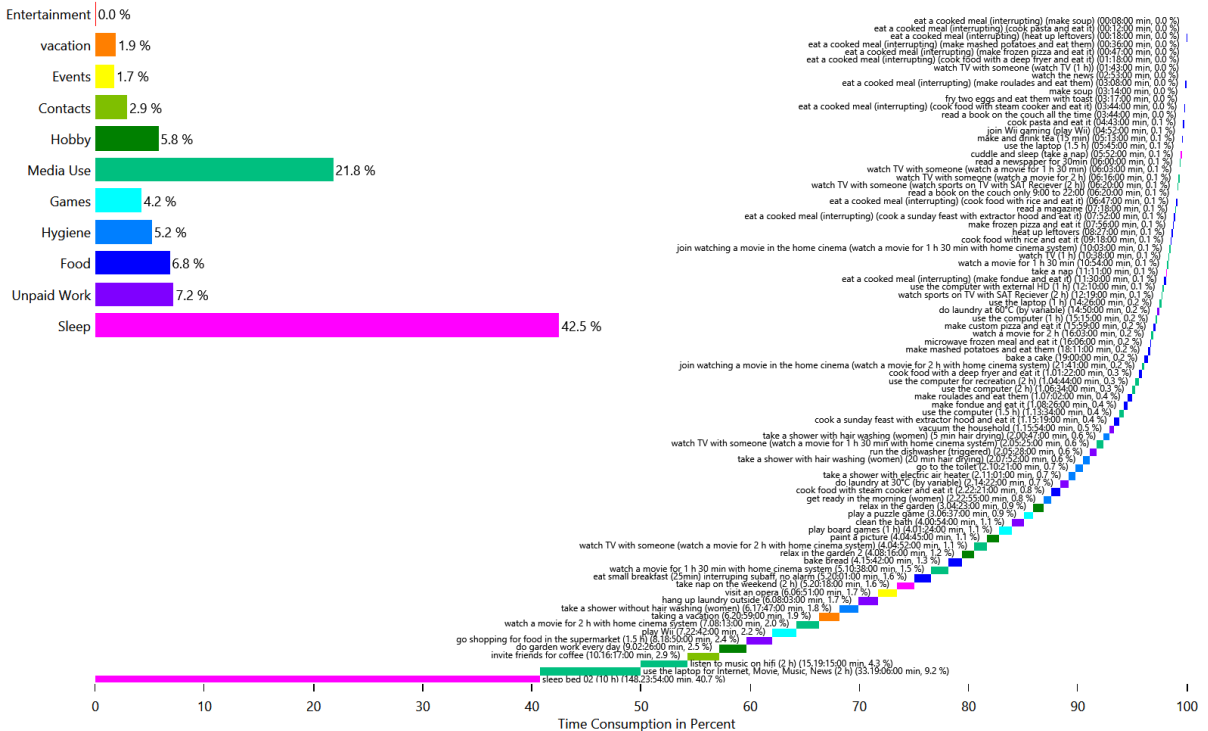
HH0 - CHR44 Barbara (43 Female)



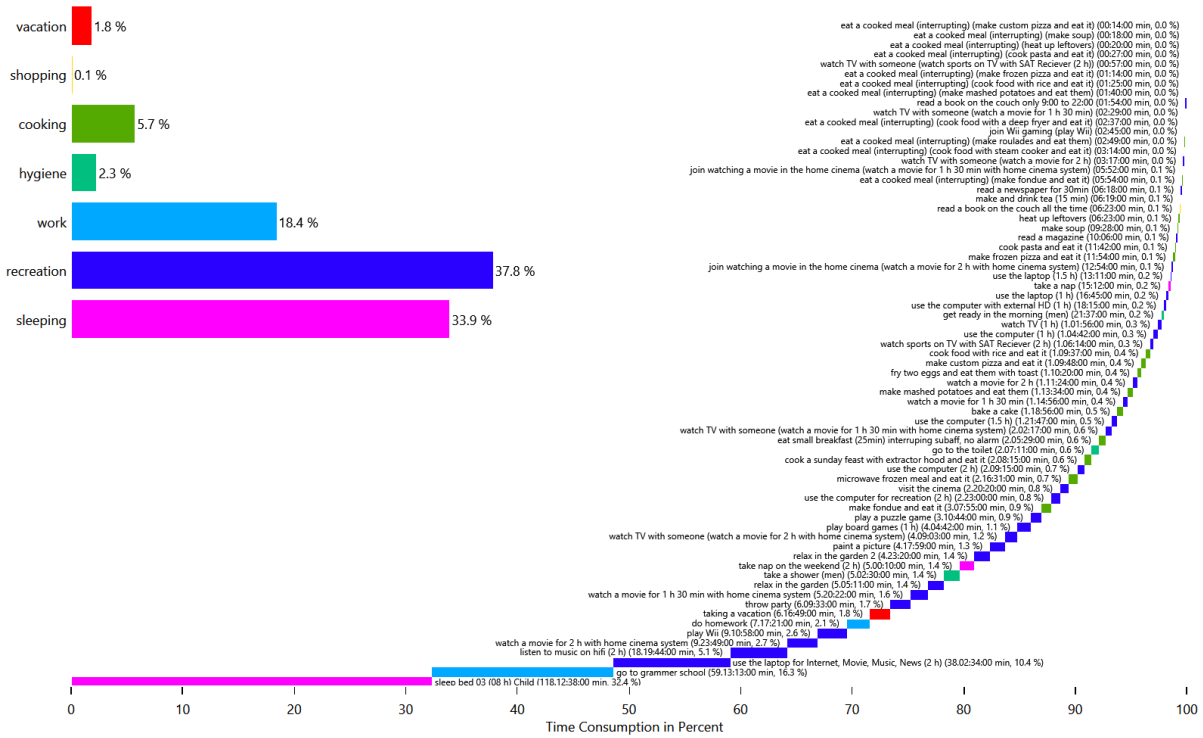
HH0 - CHR44 Barbara (43 Female)



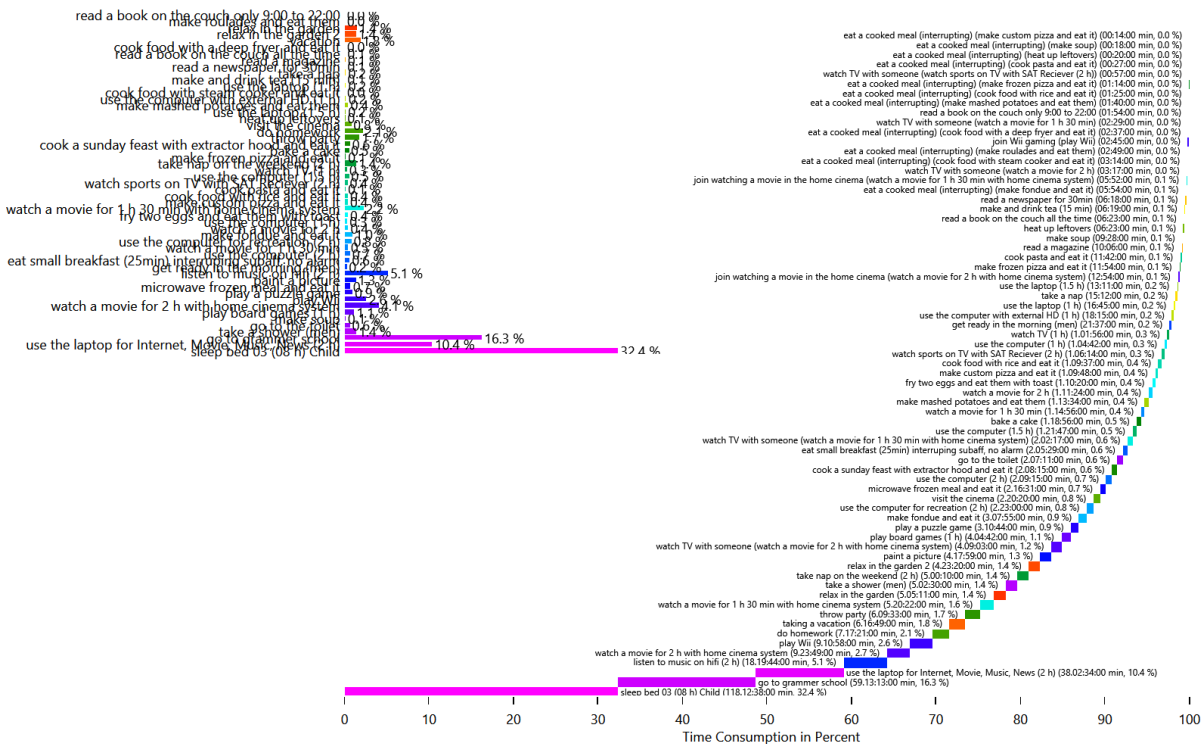
HH0 - CHR44 Barbara (43 Female)



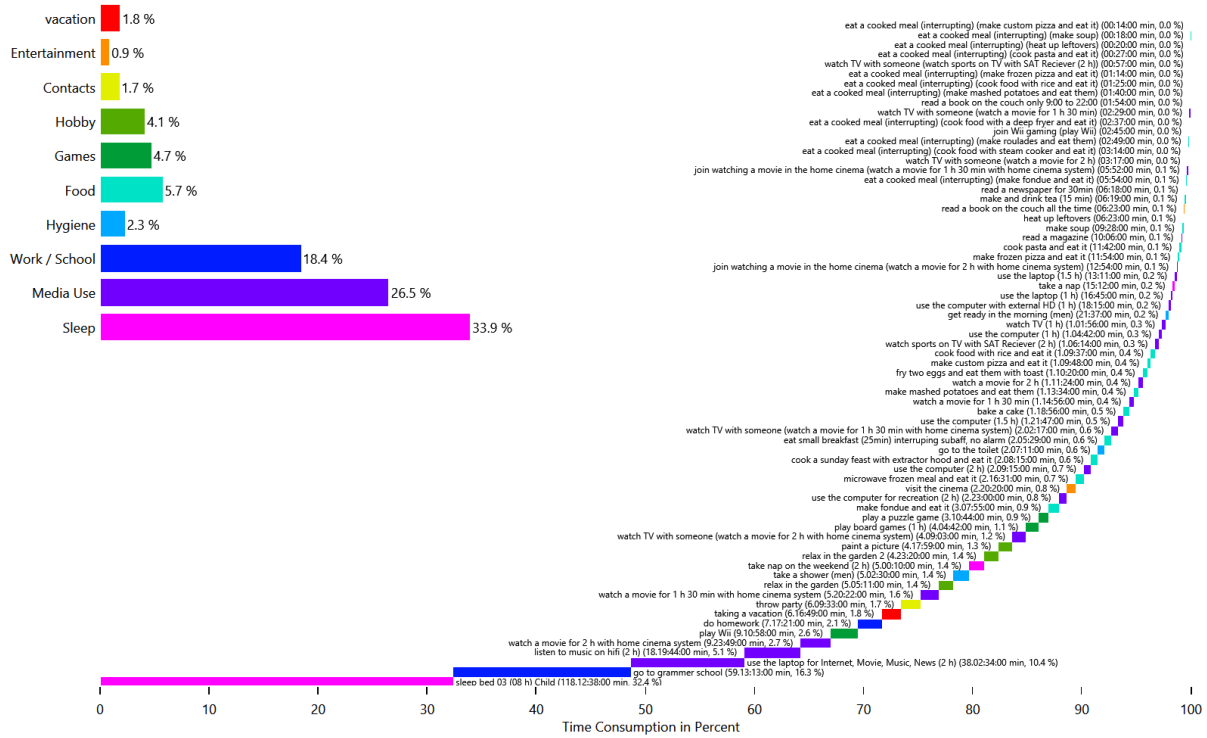
HH0 - CHR44 Christopher (16 Male)



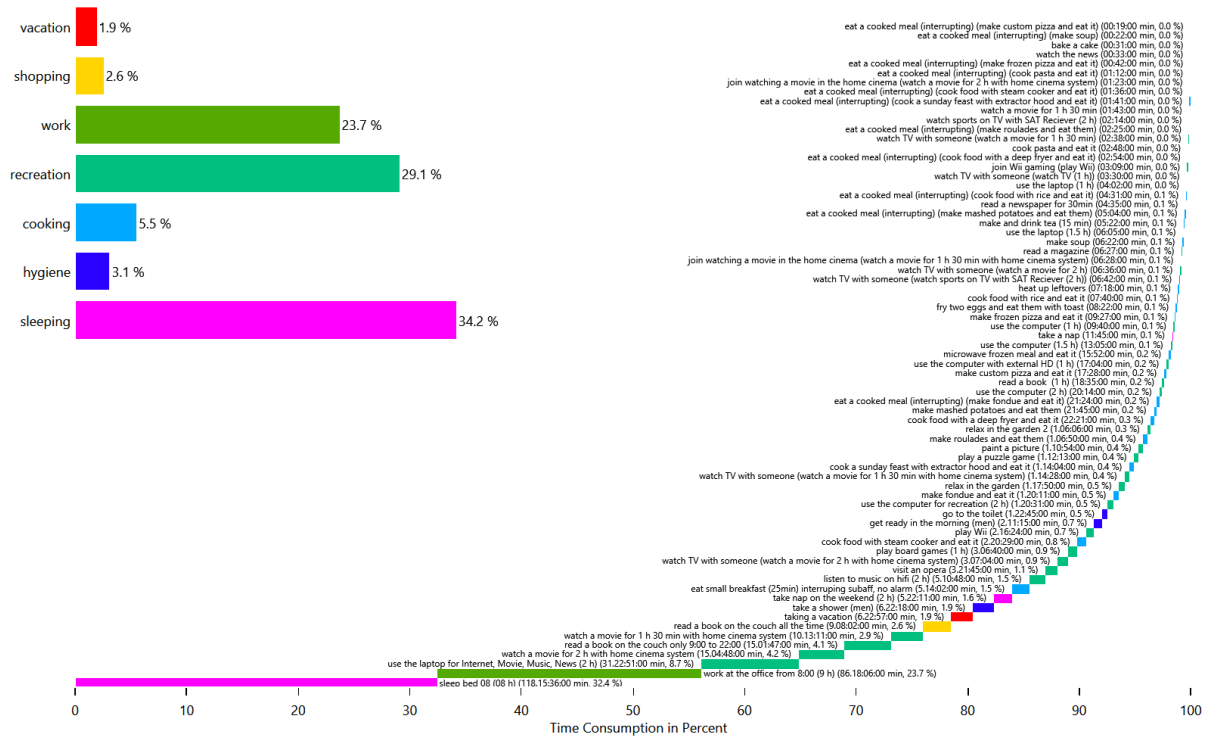
HH0 - CHR44 Christopher (16 Male)



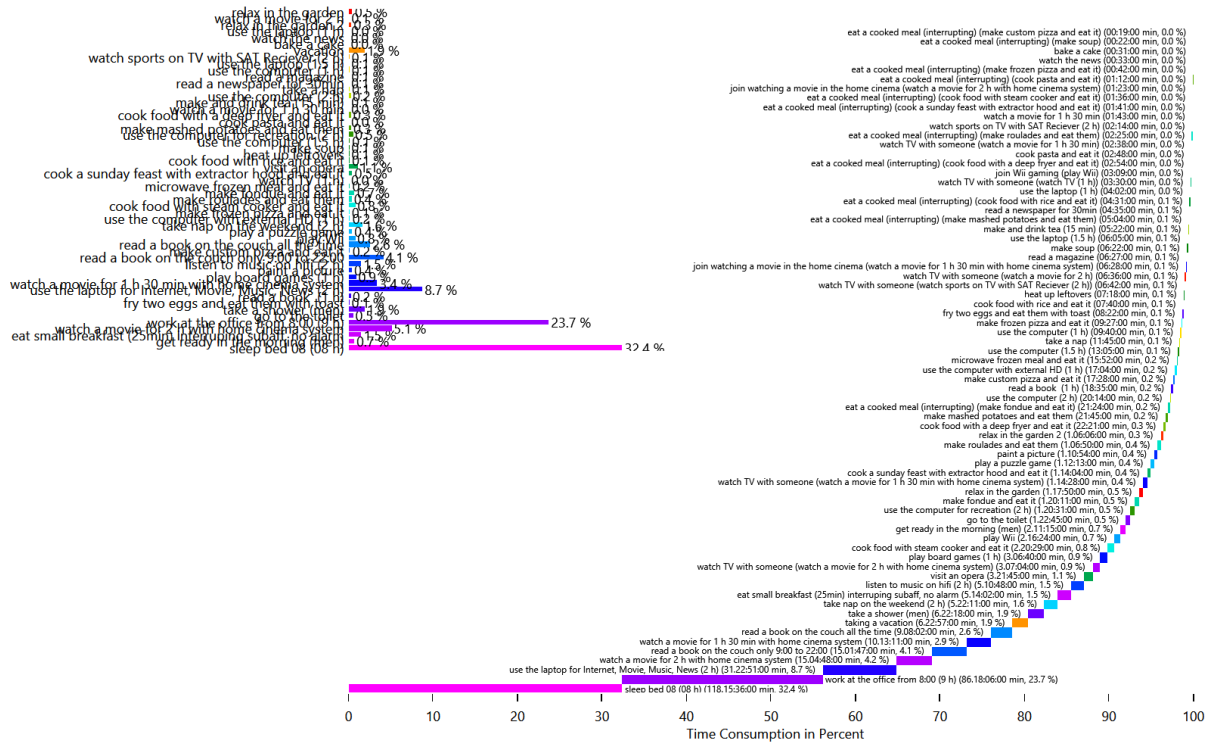
HH0 - CHR44 Christopher (16 Male)



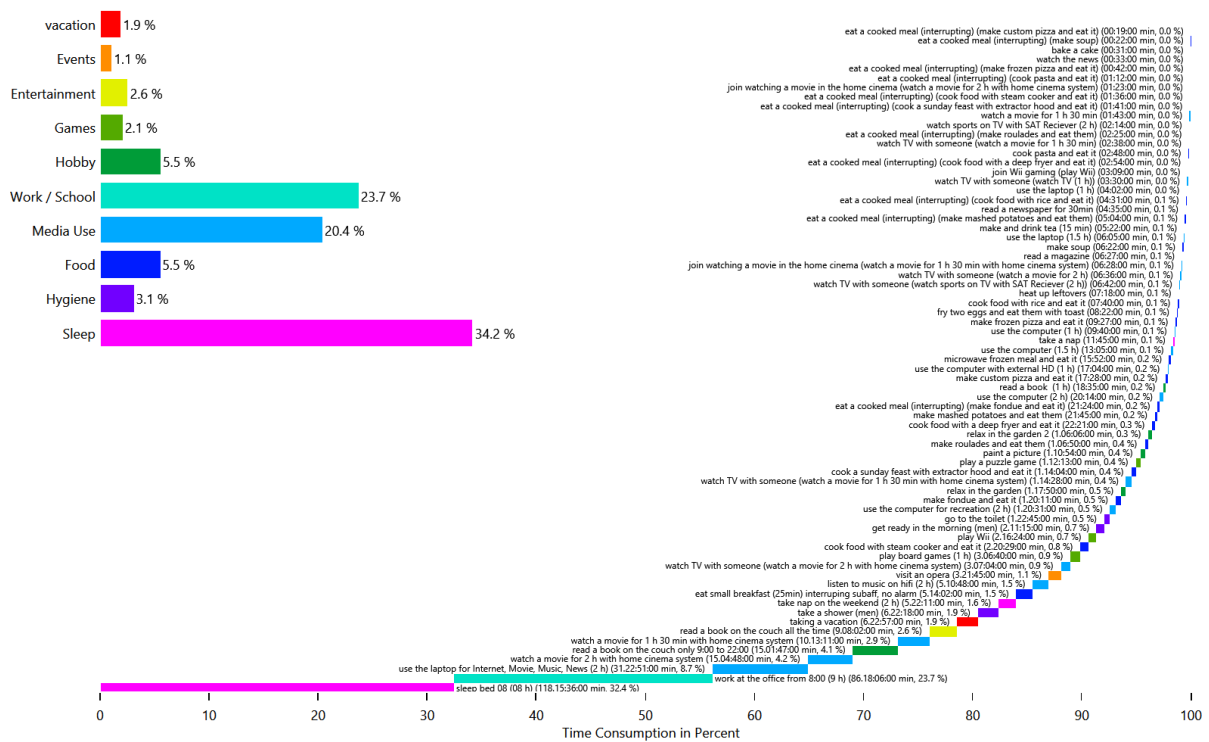
HH0 - CHR44 Rainer (45 Male)



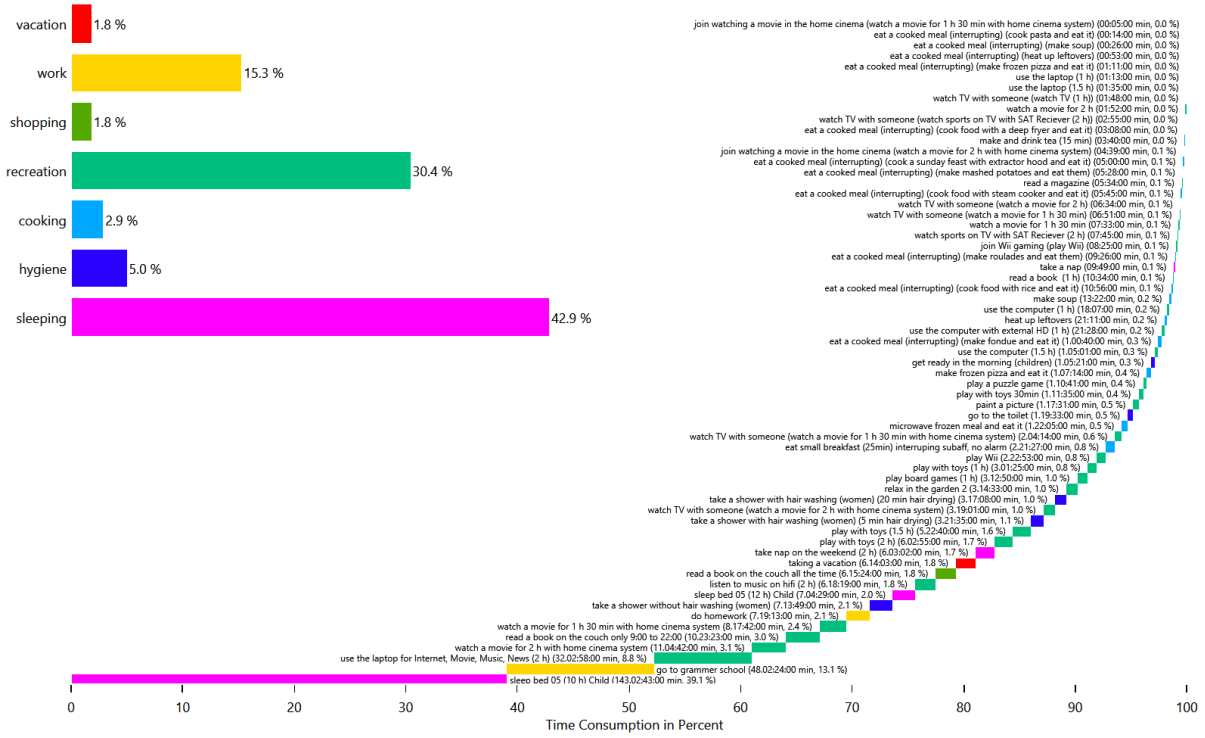
HH0 - CHR44 Rainer (45 Male)



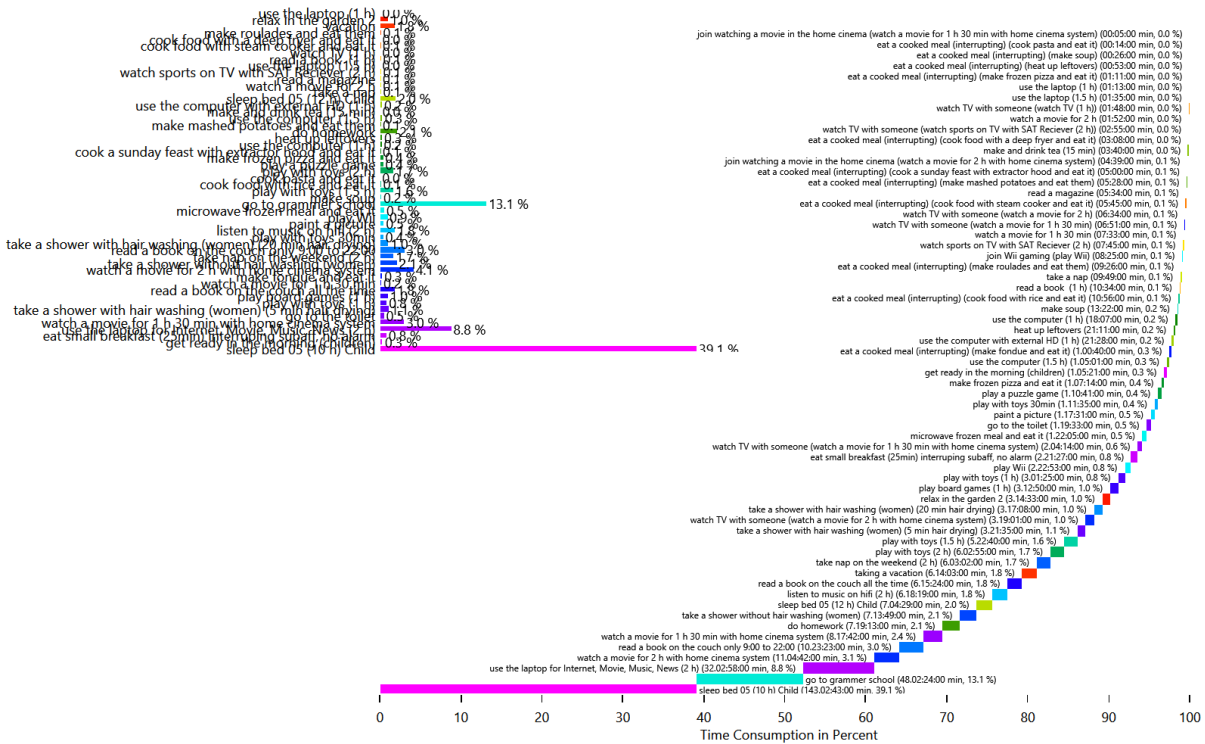
HH0 - CHR44 Rainer (45 Male)



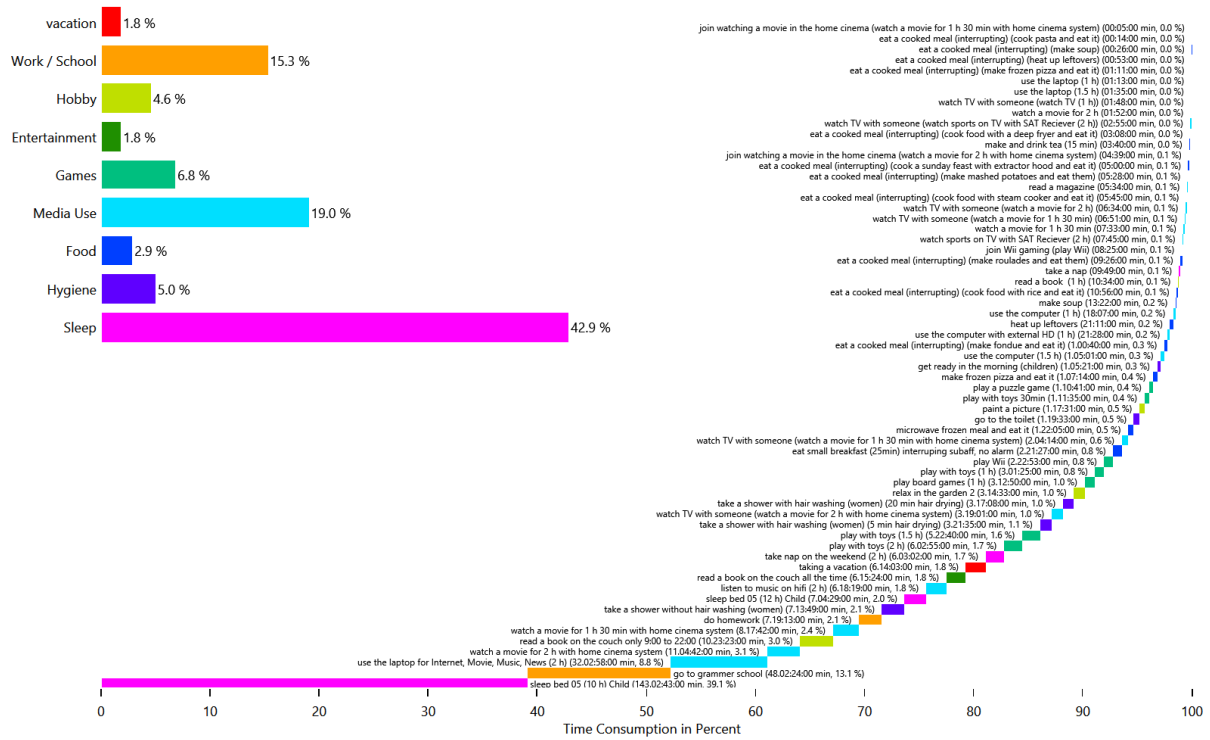
HH0 - CHR44 Sandy (14 Female)



HH0 - CHR44 Sandy (14 Female)



HH0 - CHR44 Sandy (14 Female)

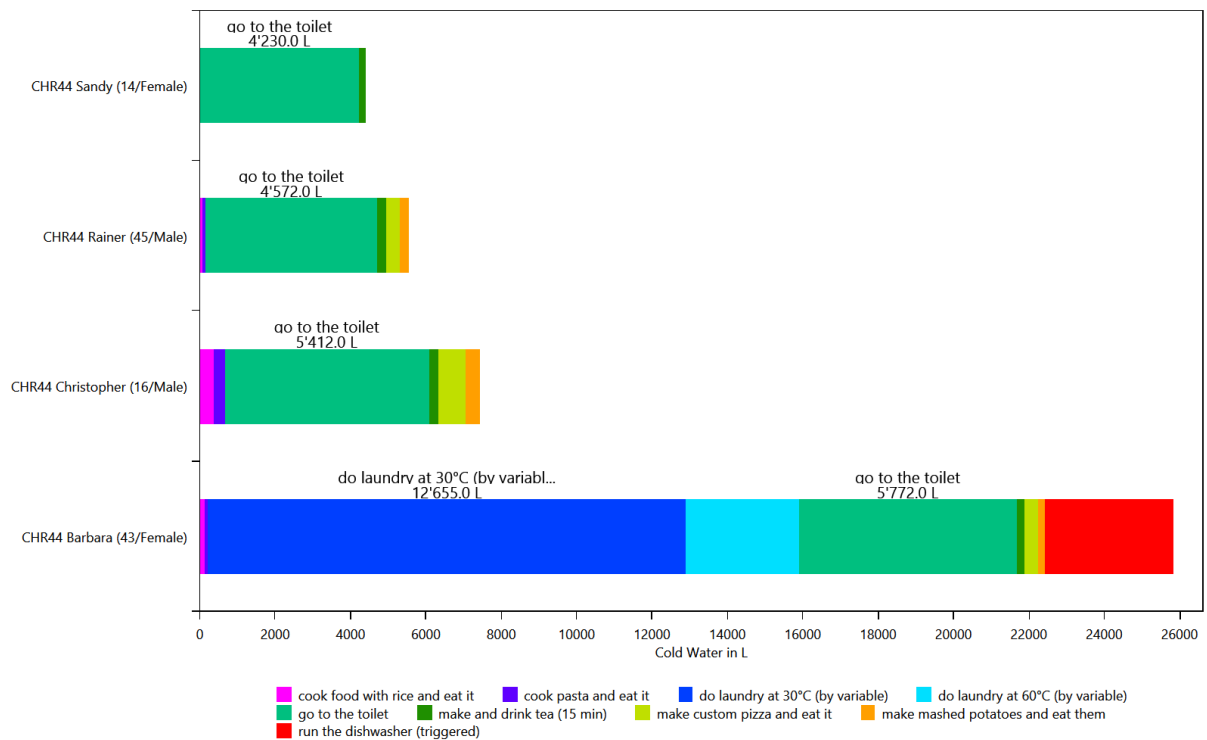


Energy use per person per affordance

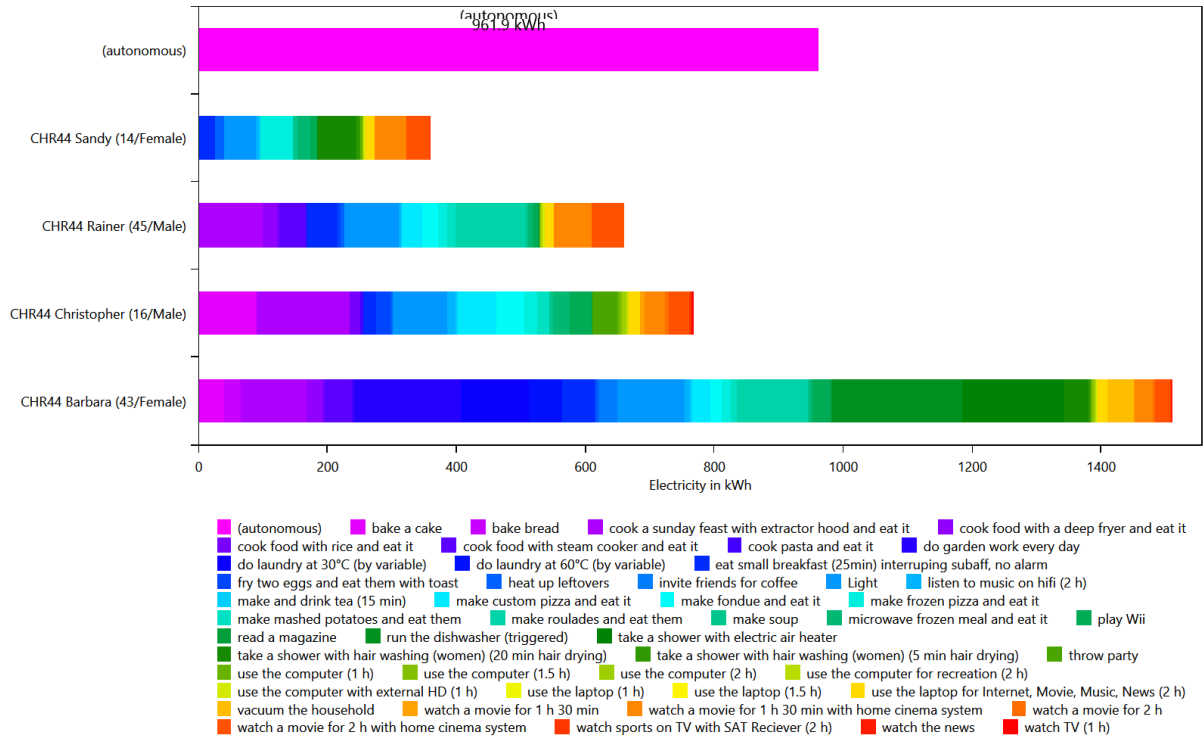
This is made from the files starting with: `AffordanceEnergyUsePerPerson`

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.

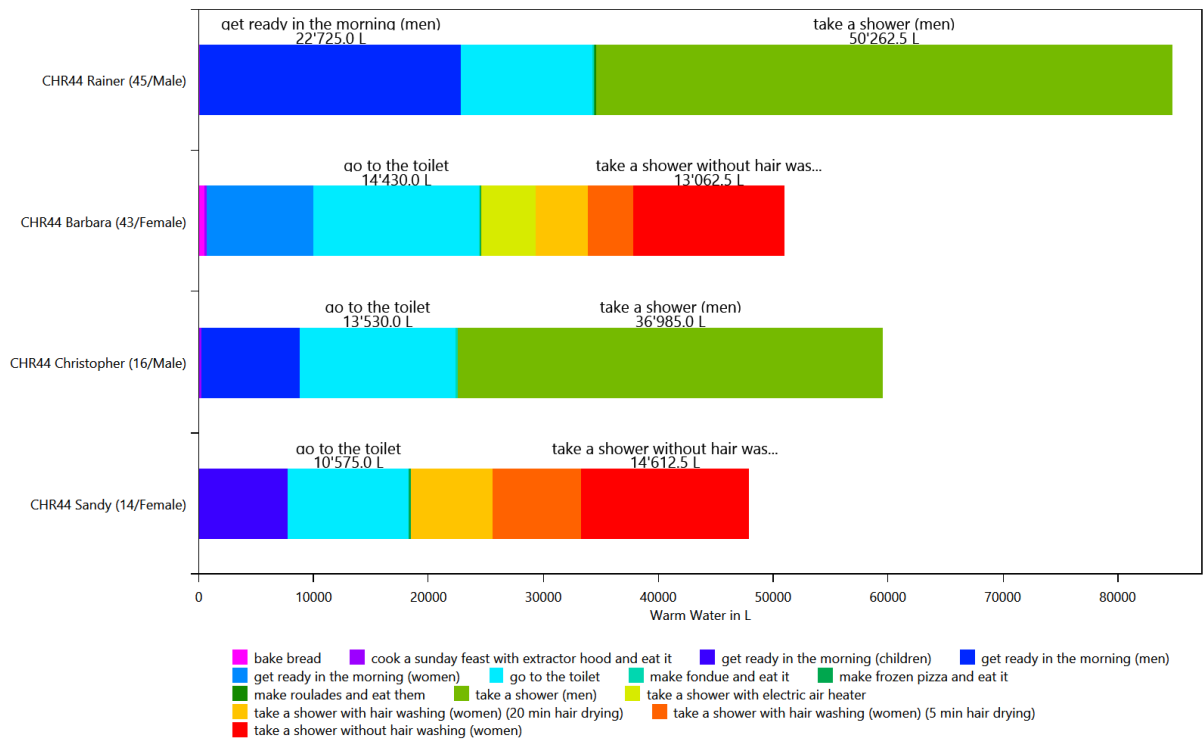
HH0 - Cold Water



HH0 - Electricity



HH0 - Warm Water

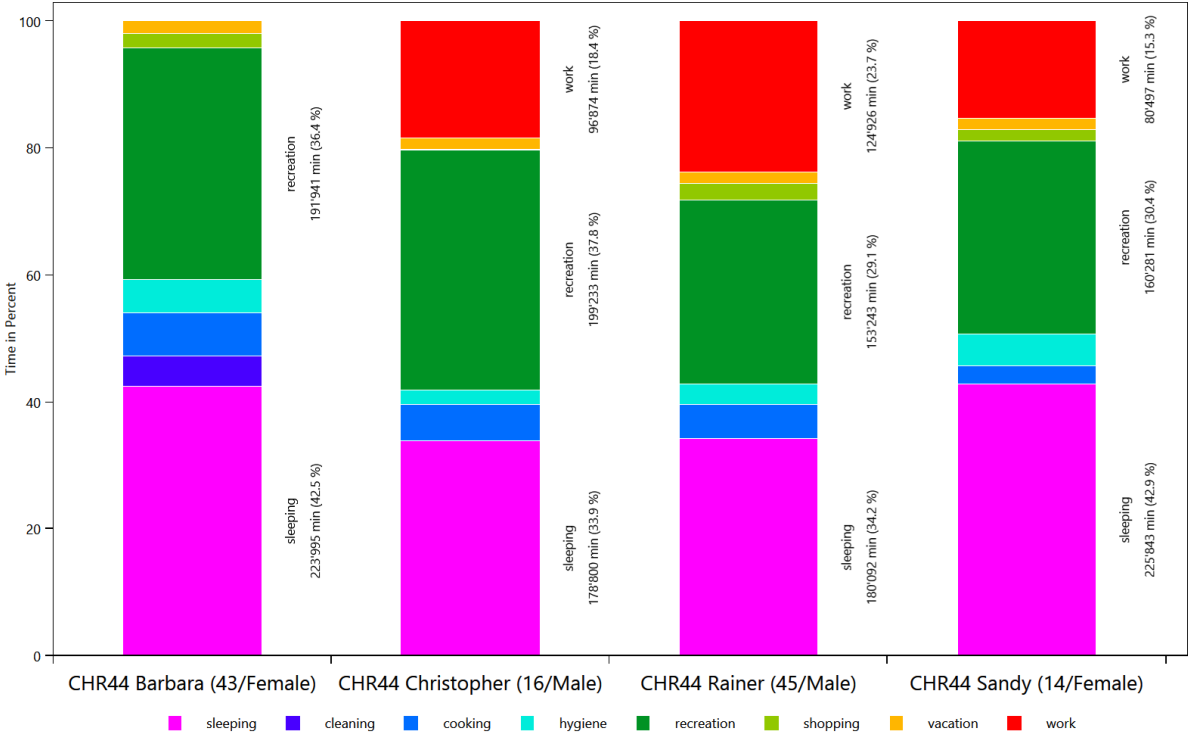


Time Use per Person Per Affordance according to different category definitions

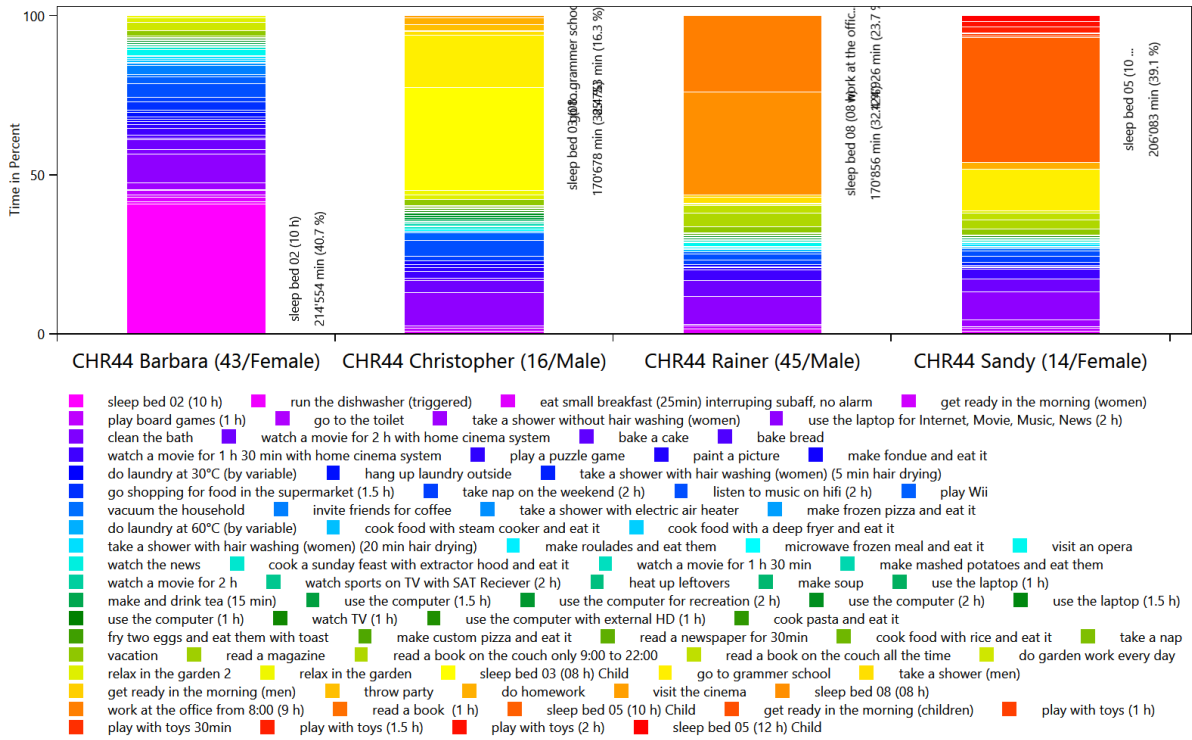
This is made from the files starting with: AffordanceTaggingSet

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.

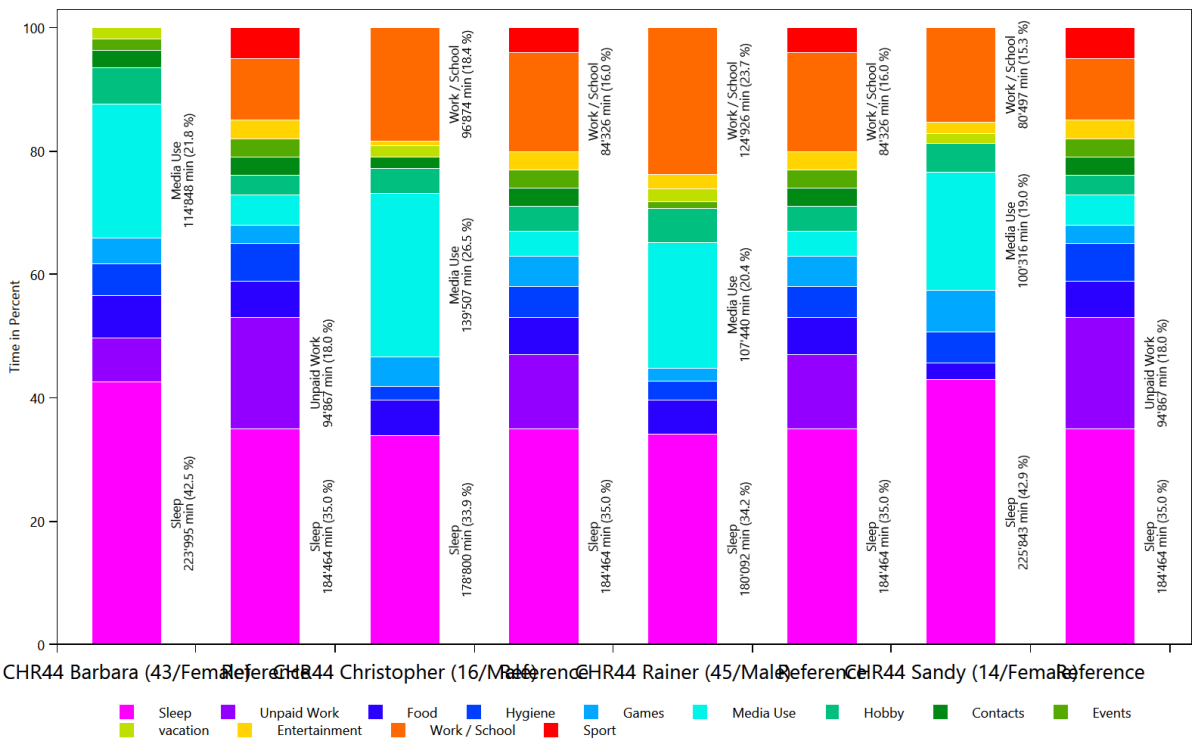
Basic Tagging - HH0



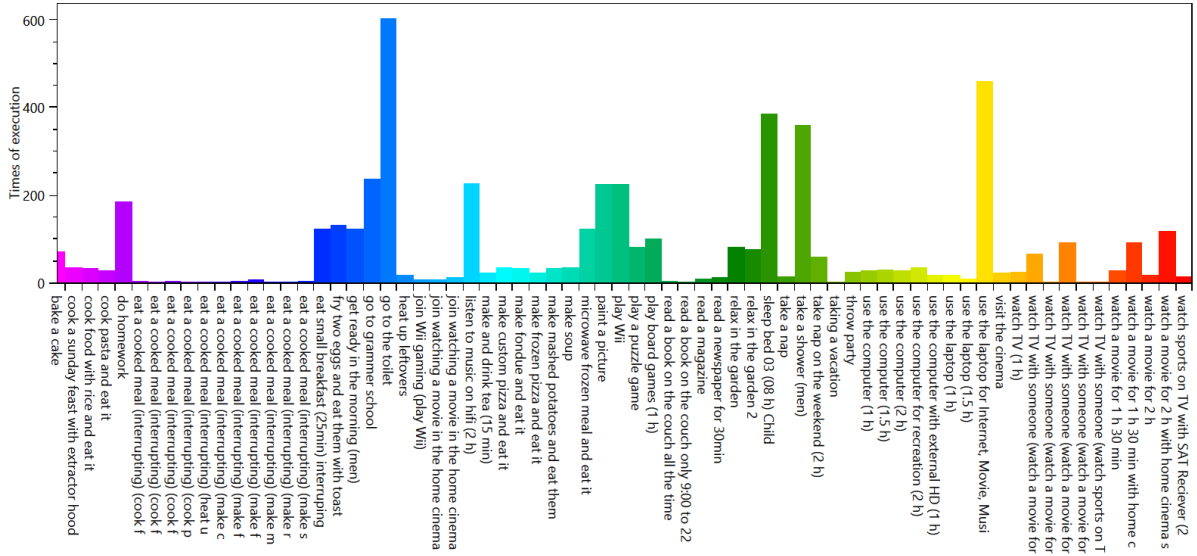
Tagging Set For Planning - HHO



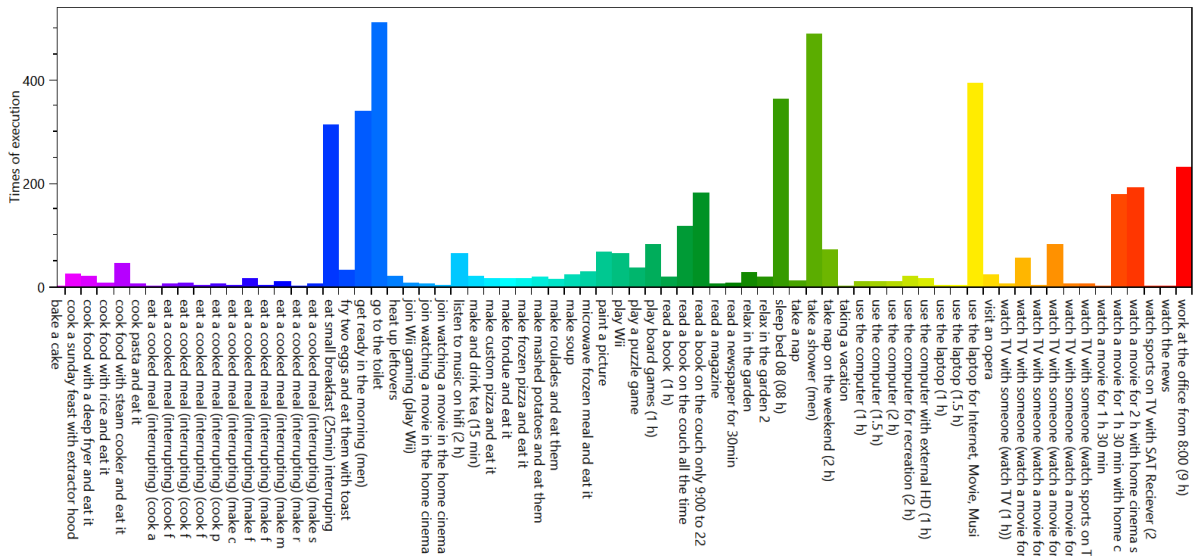
Wo bleibt die Zeit - HHO



HH0 - CHR44 Christopher (16 Male)



HH0 - CHR44 Rainer (45 Male)

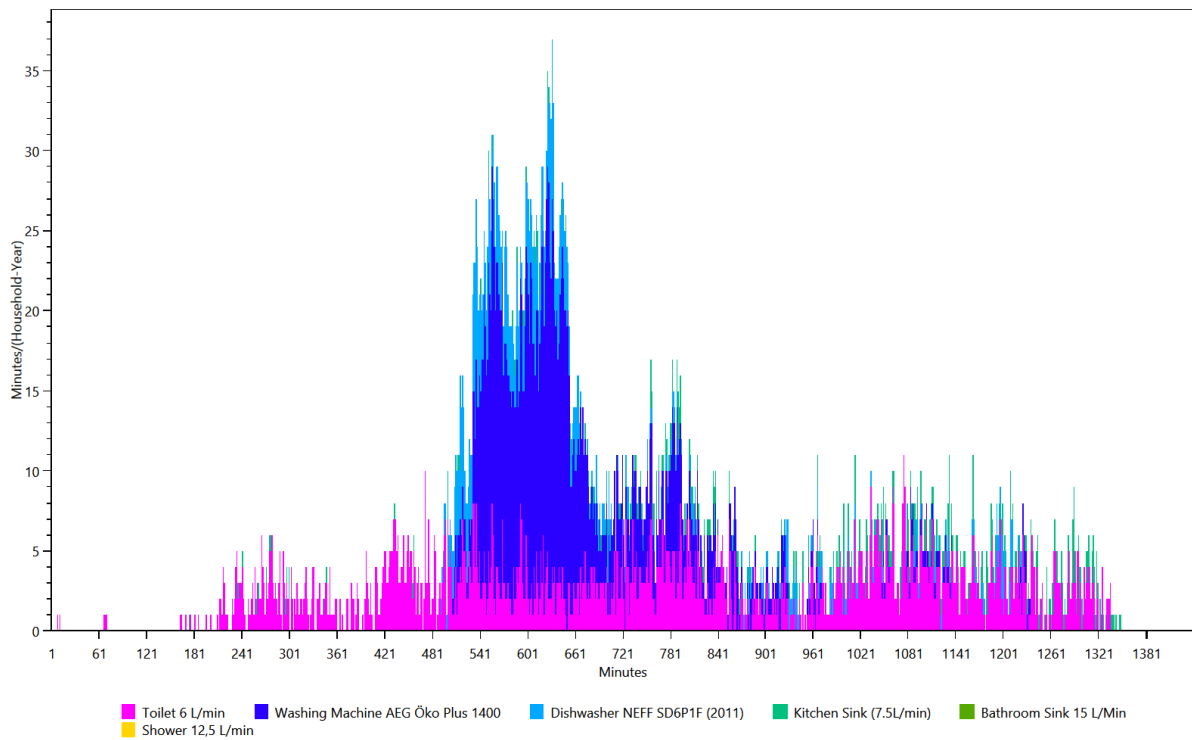


Overview of the time of the use per load type per device

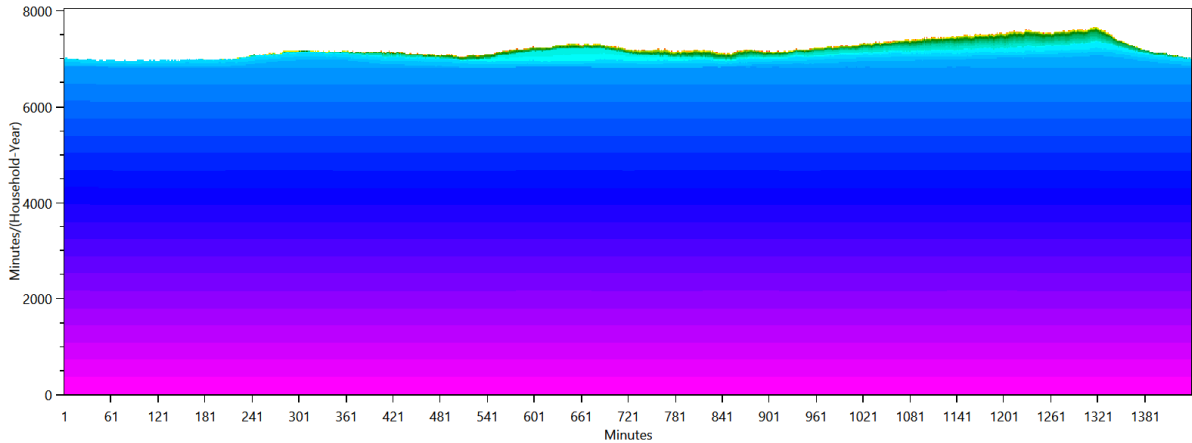
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

Cold Water

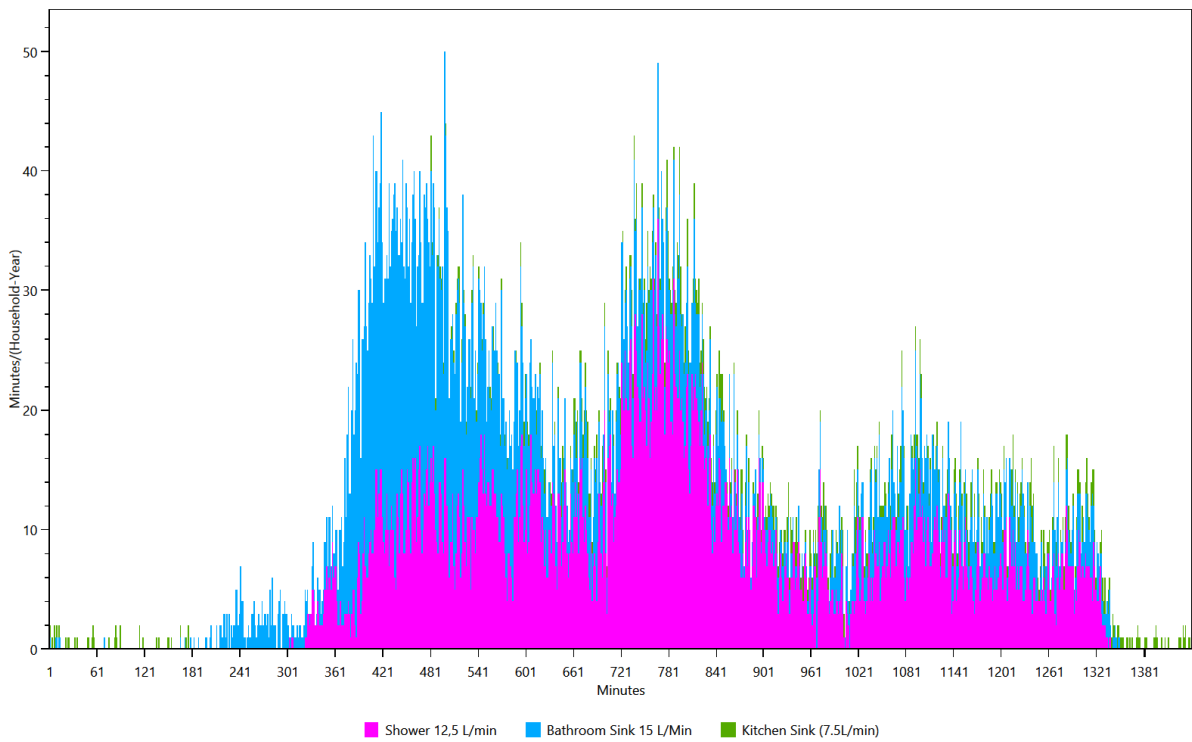


Electricity



- Electric Toothbrush Dondodent Professional Clean
- CD/DVD Player / Phillips HDR3810/31
- Phone Siemens Gigaset C320
- PC Monitor / Fujitsu Siemens Scaleview H19-1
- Kitchen radio / AEG KRC 4323 CD
- Dishwasher NEFF SD6P1F (2011)
- Bathroom Mirror Light 100W (Conventional)
- Extractor Hood / Miele DA 429-4
- Steam Cooker / Phillips HD9140
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right- full power
- Hedge Trimmer / Bosch AHS 550-24 ST
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind- semi aktiv
- Fancy Ceiling Lights with at least 3 Bulbs
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Canon CanoScan LIDE 110
- Laptop Sony Vaio SVE151G11M
- Panasonic Hifi System (unknown type)
- Yamaha RX-V667
- PC / Acer Aspire M3640
- Living Room Light (60W)
- Washing Machine AEG Öko Plus 1400
- Bread Baking Machine Unold 6595
- Electric Kettle / Petra WK288 1.5L
- Kitchen professional Hot Stone
- Atika LH 2500 G
- Toaster / Bosch TAT8SL1
- Children Room Light (200W)
- Bauknecht GTM 2511
- Children Room Light (100W)
- Bathroom Light (100W)
- Bedroom Light (20W)
- Single Stove Plate
- Heater / Honeywell BH-888E
- Miele DA 61
- TV Samsung LED UE40 B7090
- Home Cinema System / Samsung HT-D5550
- Nintendo Wii
- Epson Stylus Color 860
- TASKalfa 180
- SAT Receiver / Kathrein UFS913
- Electric Razor Braun Cruzer 5
- Router / AVM FRITZ! Box Fon WLAN 7390
- Beamer / Acer H7531D
- Siemens KI 20 LA 65 (A+)
- Kitchen Light (200W)
- Fondue / Unold 48746 Asia
- External Harddrive Iomega 3.5"
- Heater / Honeywell BH-888E
- Lawn Mower / Sabo 32-EL
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Ricecooker / Tristar RK-6112
- Coffee Machine / Braun Impression KF 600
- Handmixer / Phillips Robust HR 1581
- Children Room Light (200W)

Warm Water



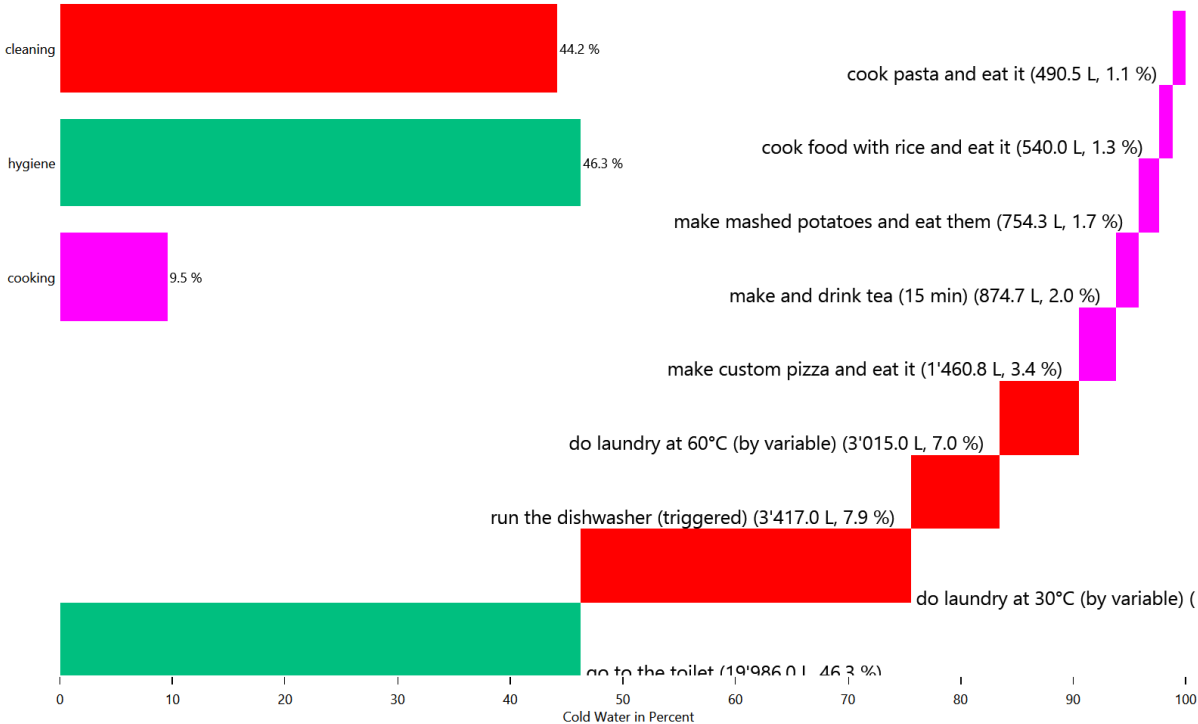
- Shower 12.5 L/min
- Bathroom Sink 15 L/Min
- Kitchen Sink (7.5L/min)

Energy/Resource use distribution per load type per affordance

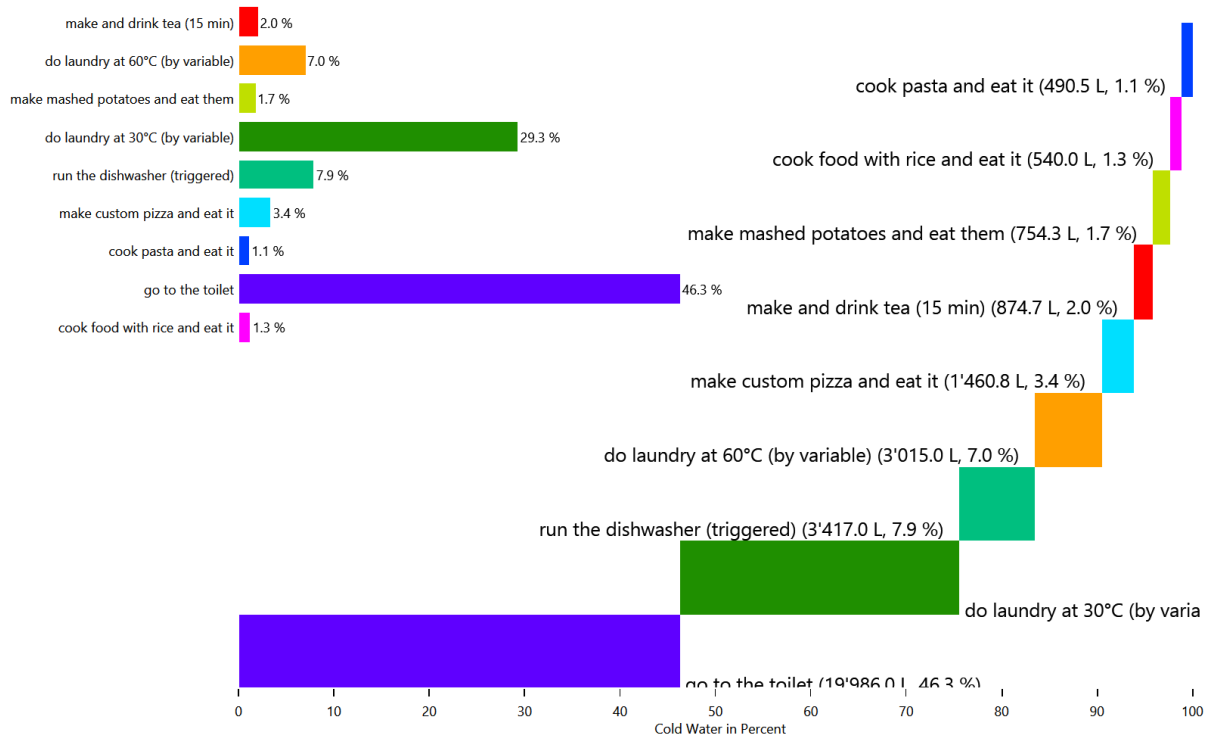
This is made from the files starting with: AffordanceEnergyUse

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

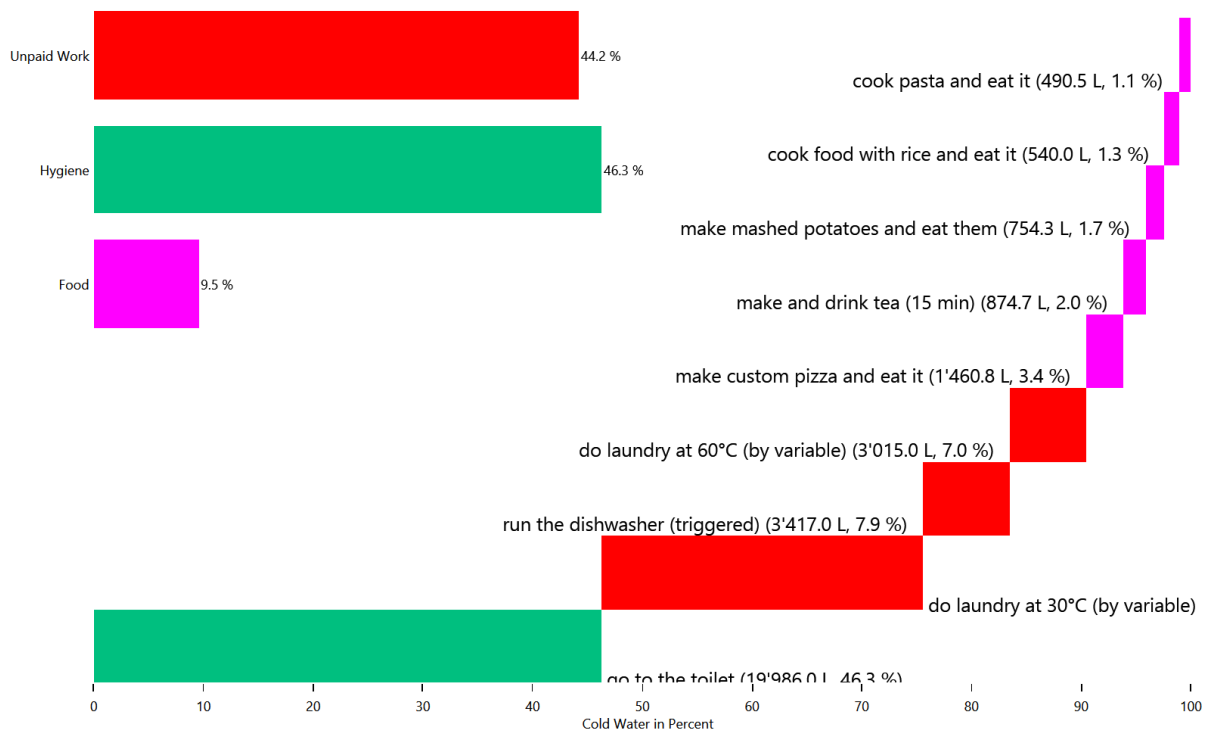
HH0 - Cold Water



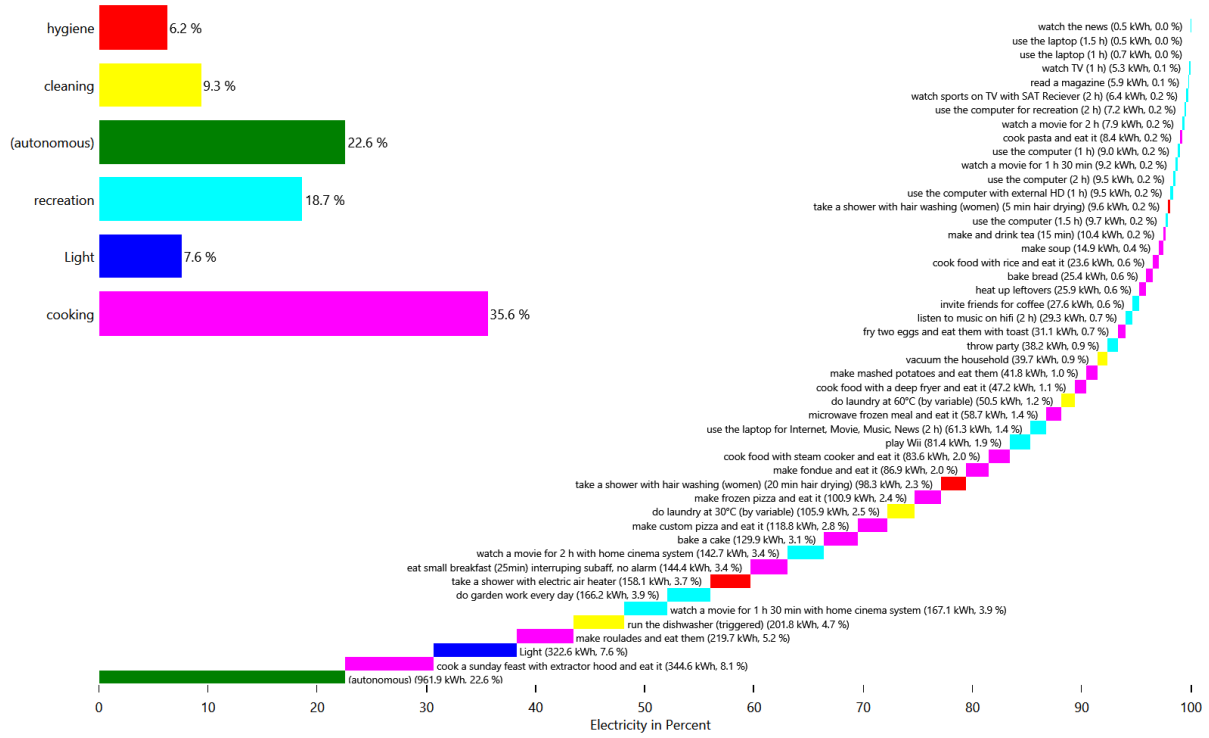
HH0 - Cold Water



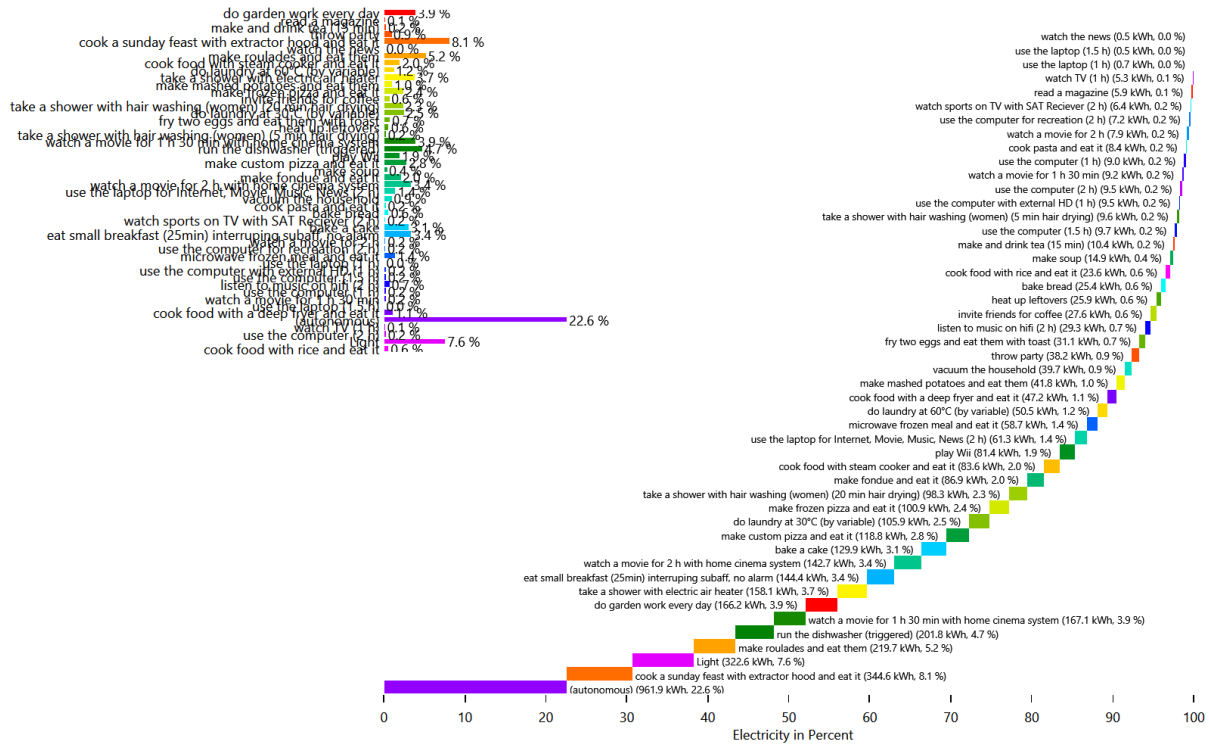
HH0 - Cold Water



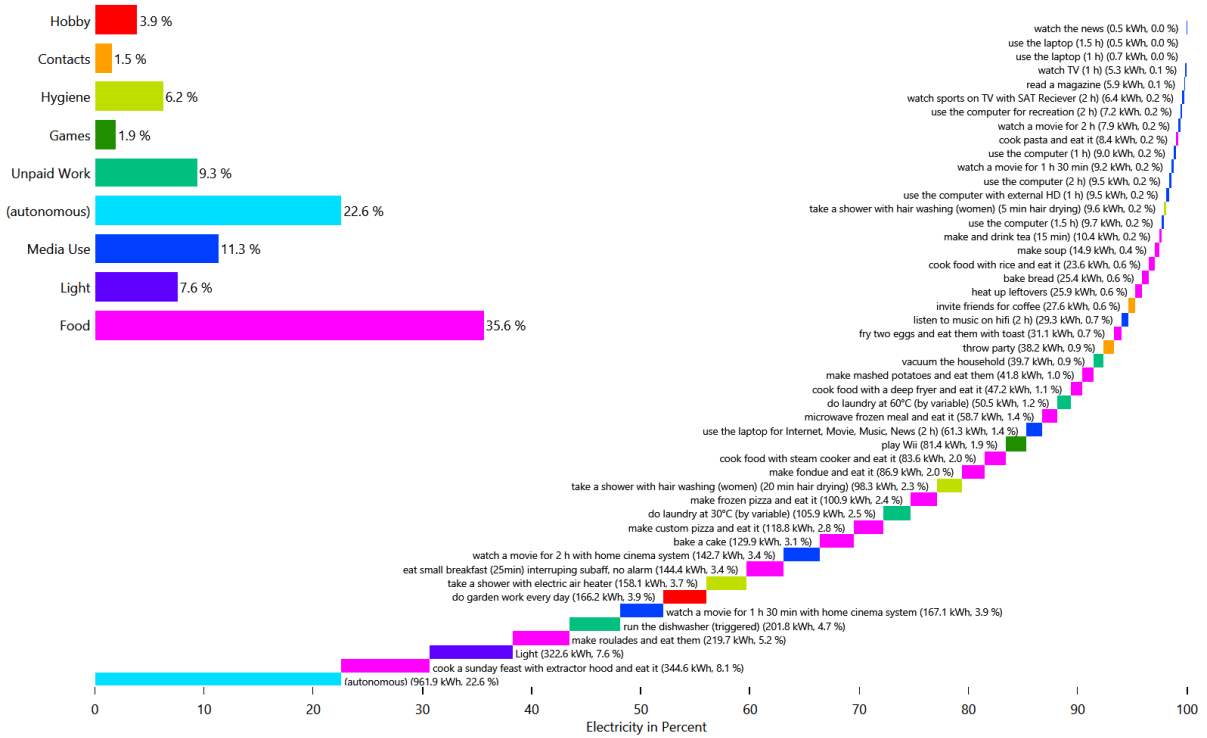
HH0 - Electricity



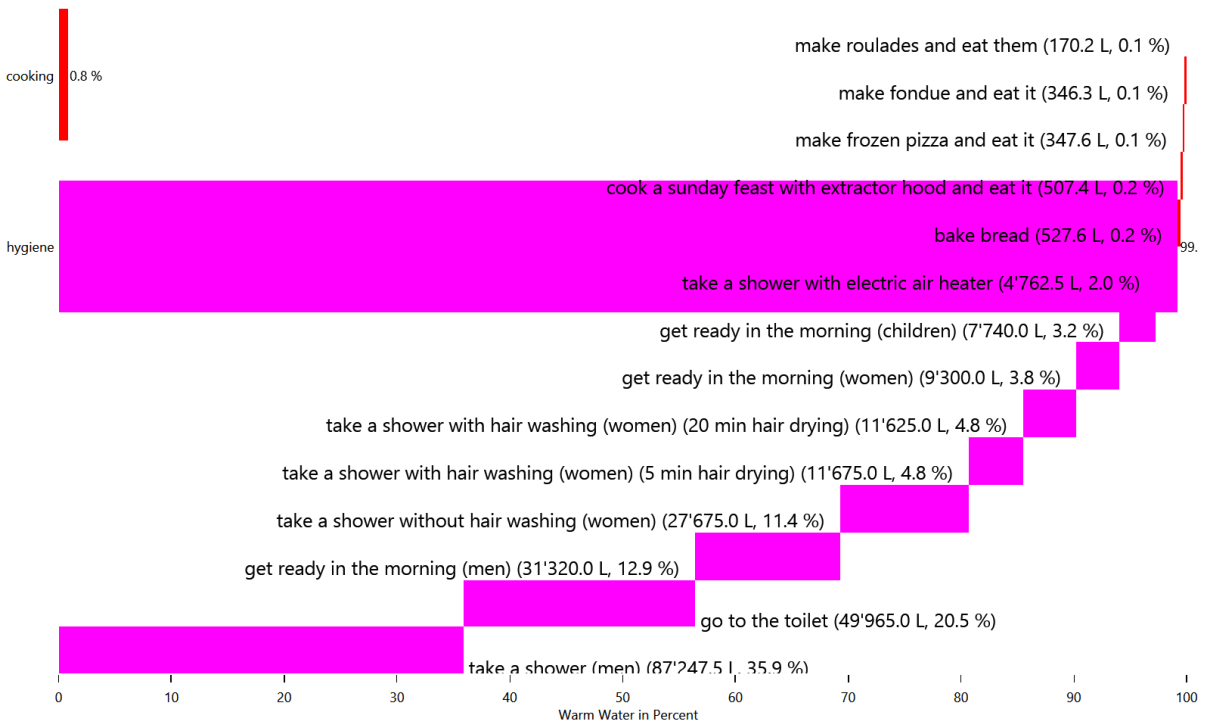
HH0 - Electricity



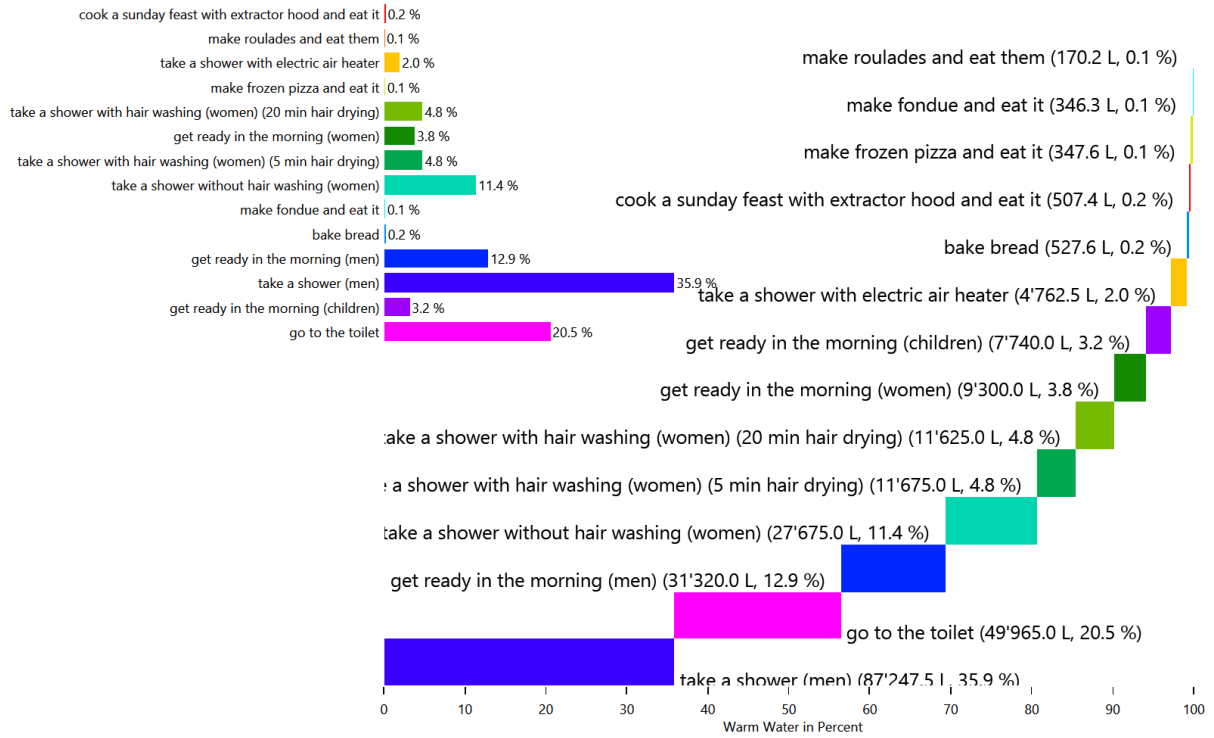
HH0 - Electricity



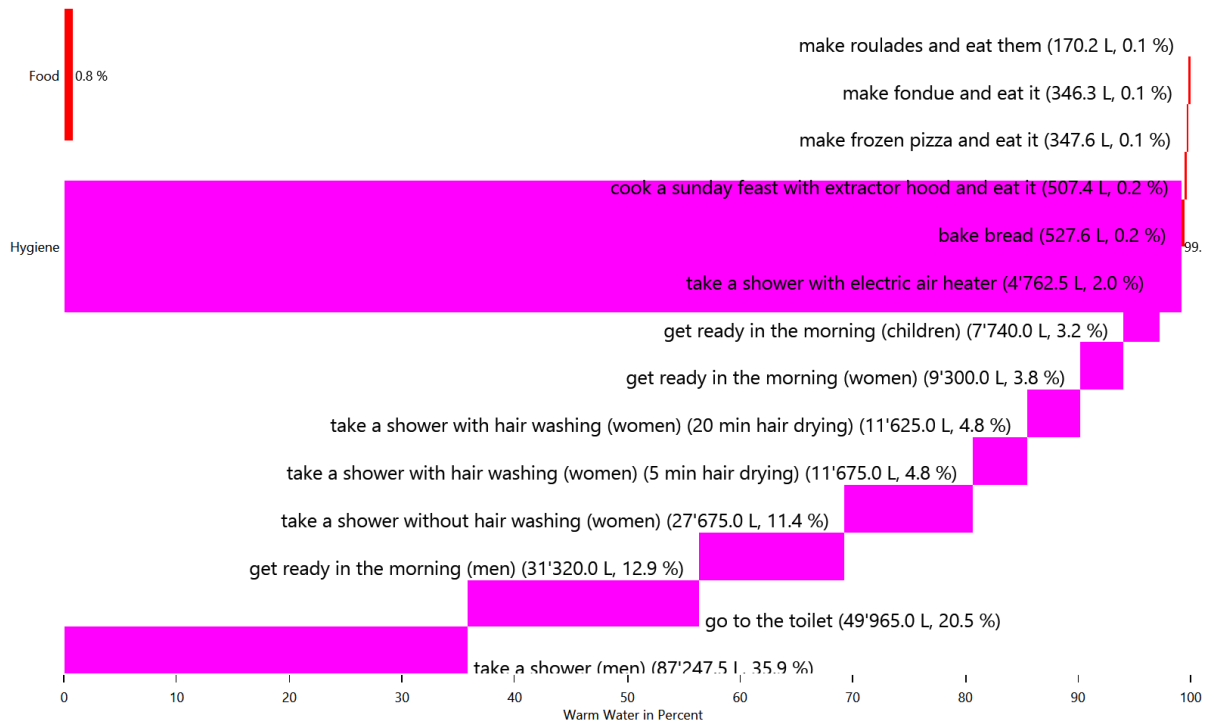
HH0 - Warm Water



HH0 - Warm Water



HH0 - Warm Water

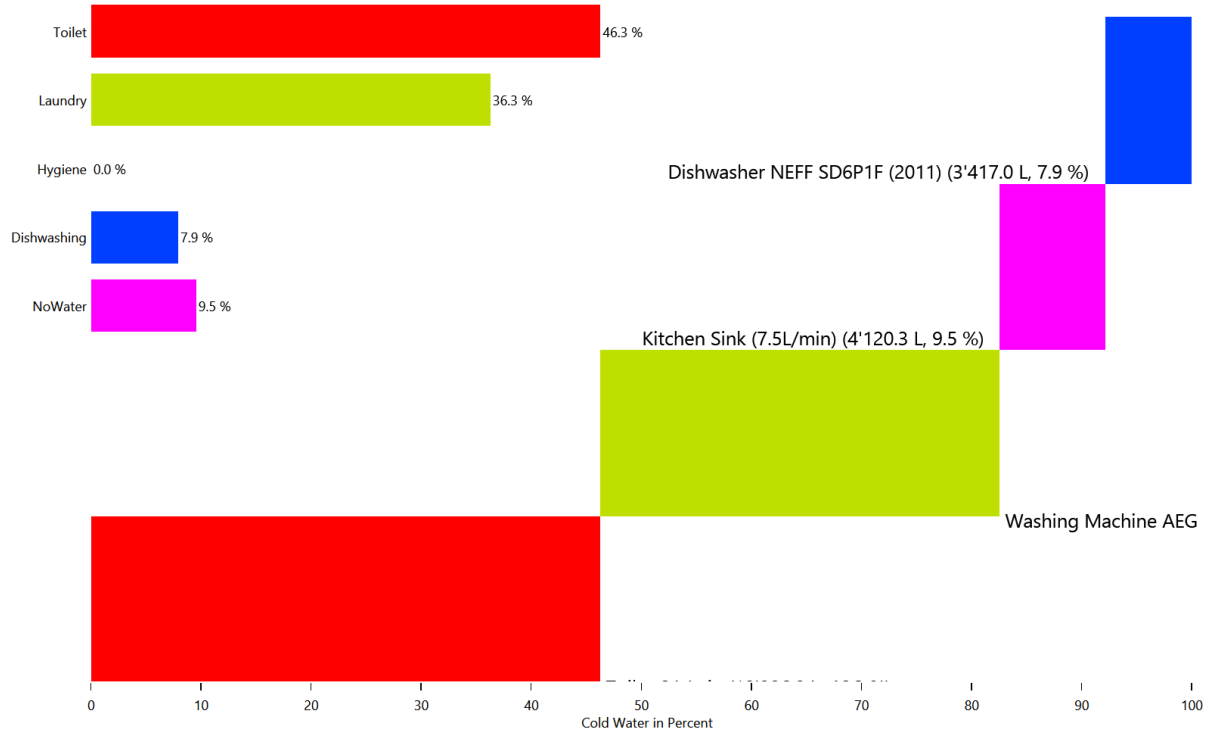


Energy use for each load type for each device

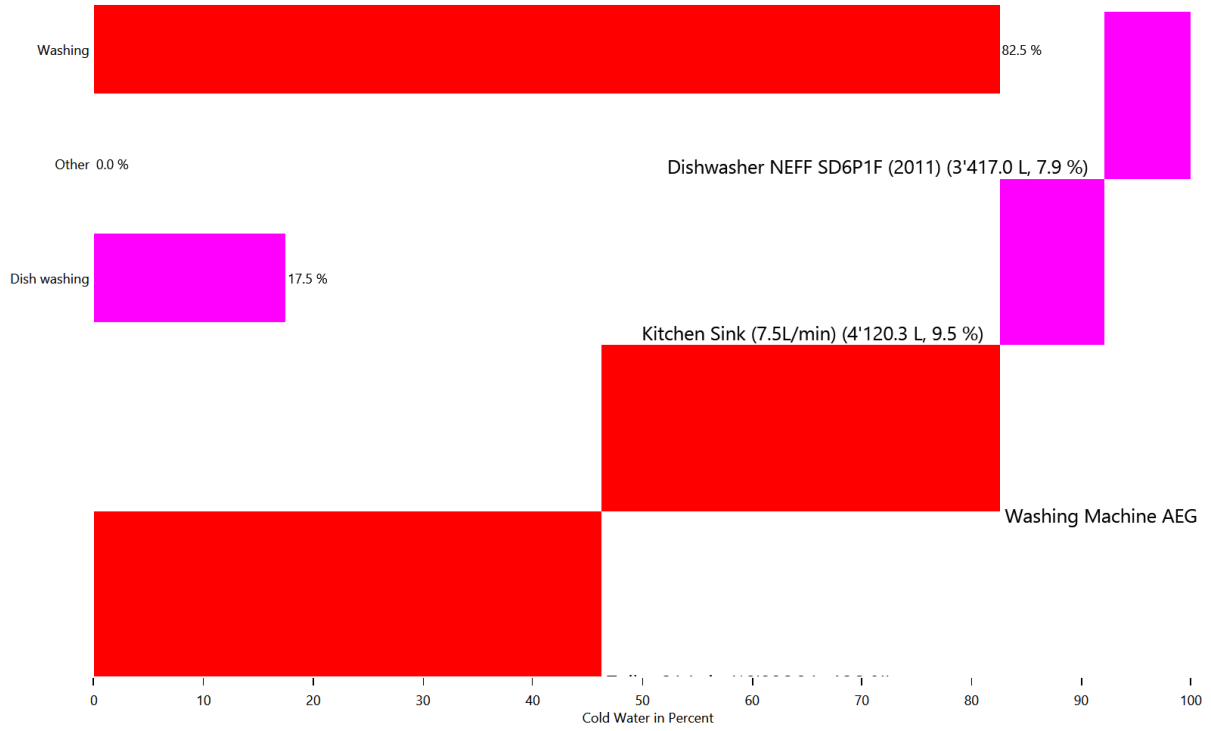
This is made from the files starting with: DeviceSums

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

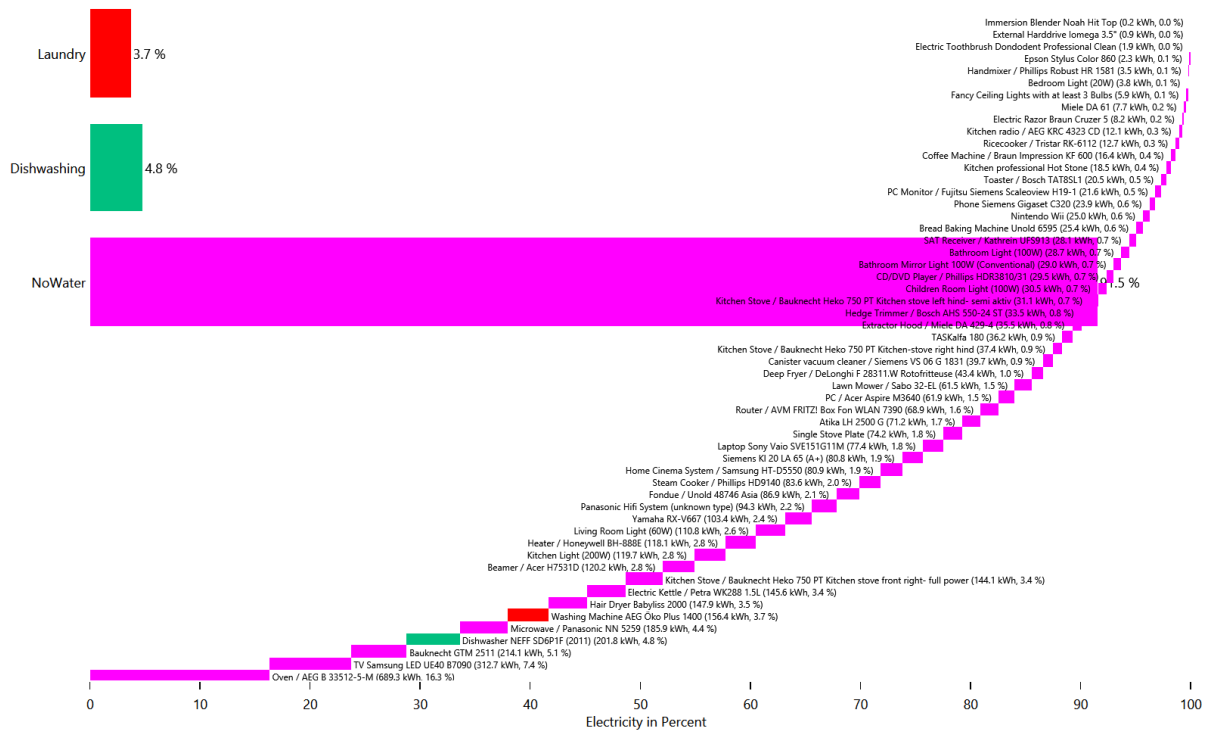
Cold Water



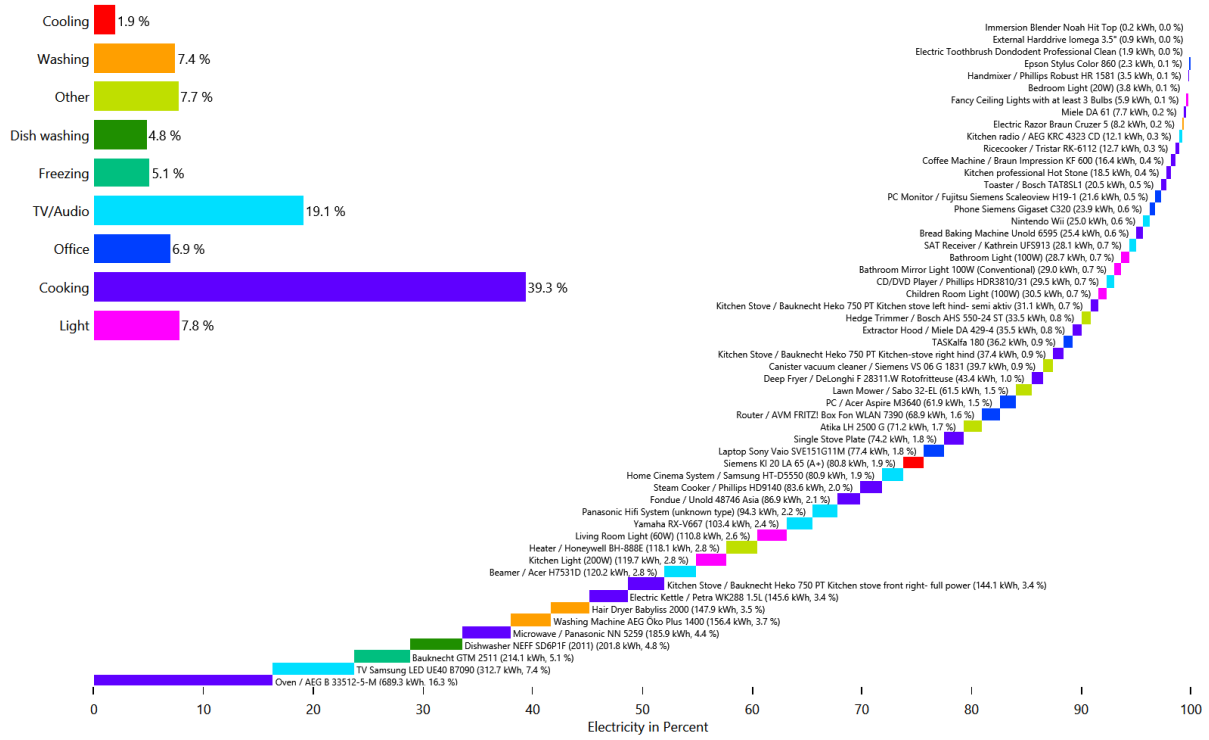
Cold Water



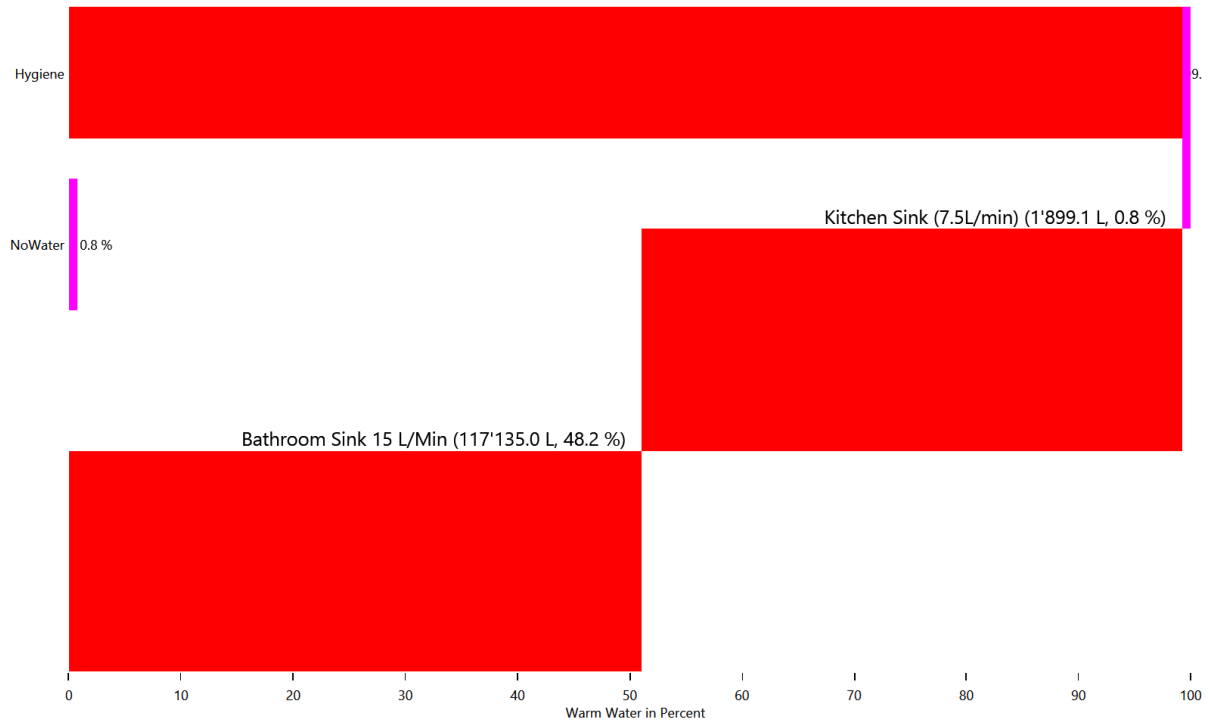
Electricity



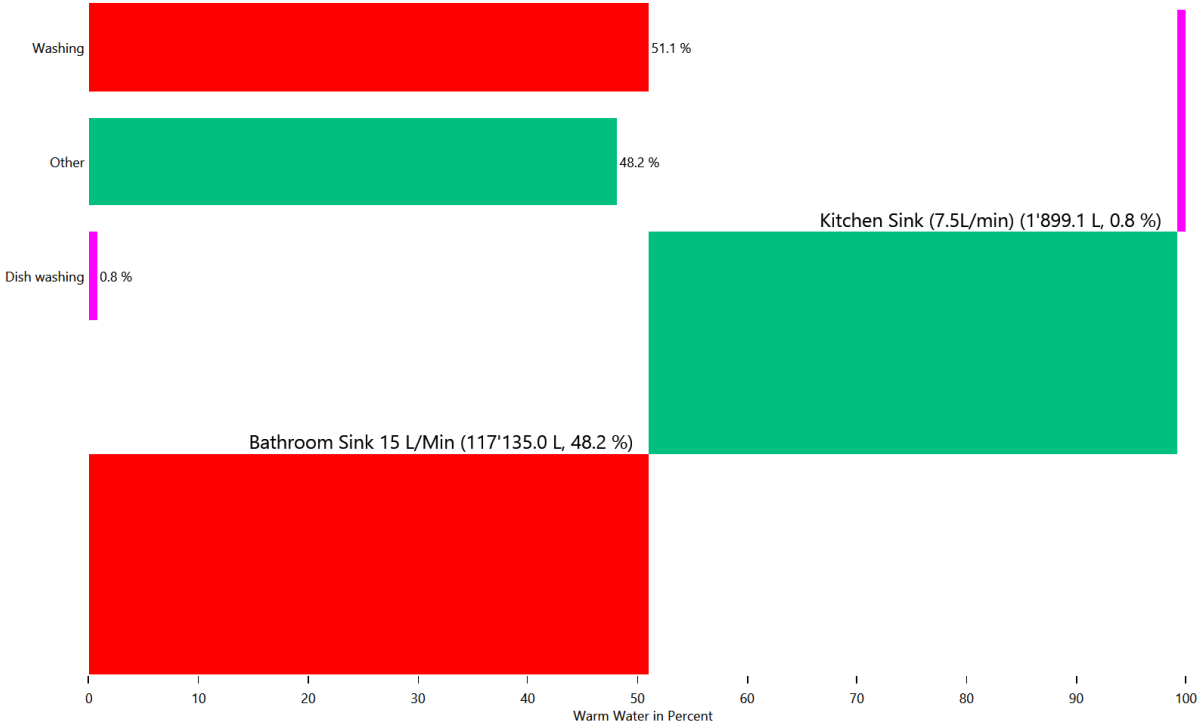
Electricity



Warm Water



Warm Water

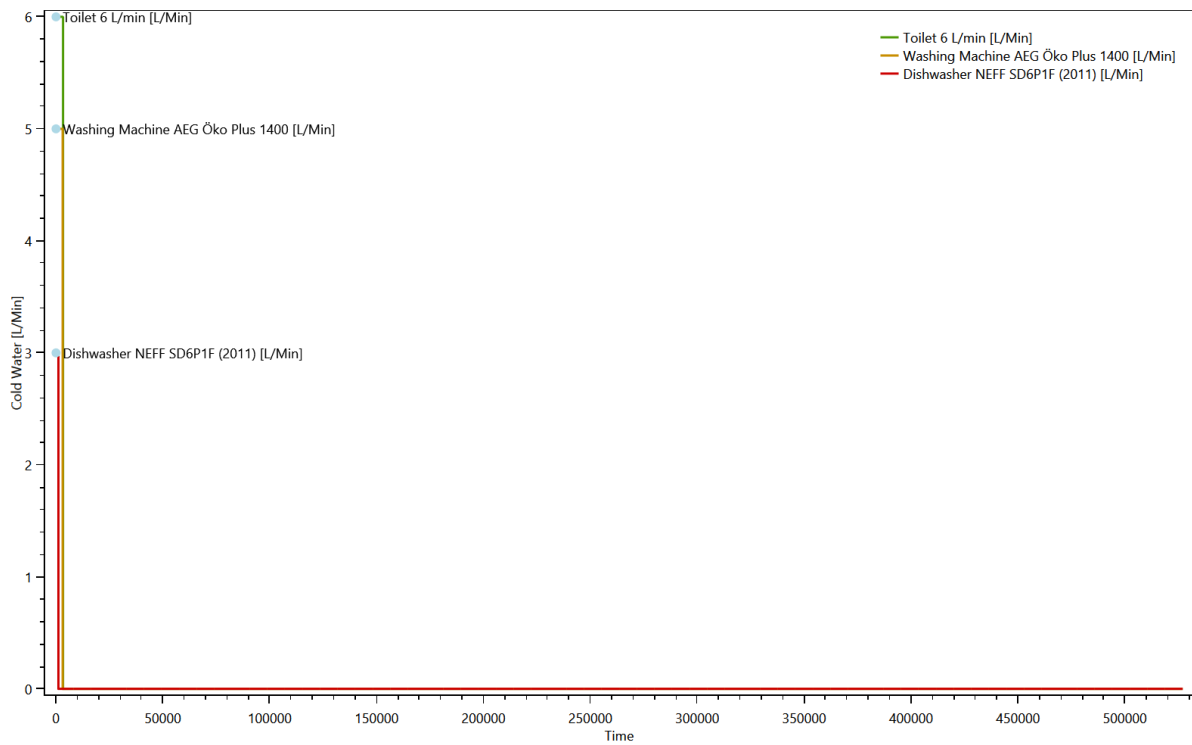


Duration curve for each device for each load type

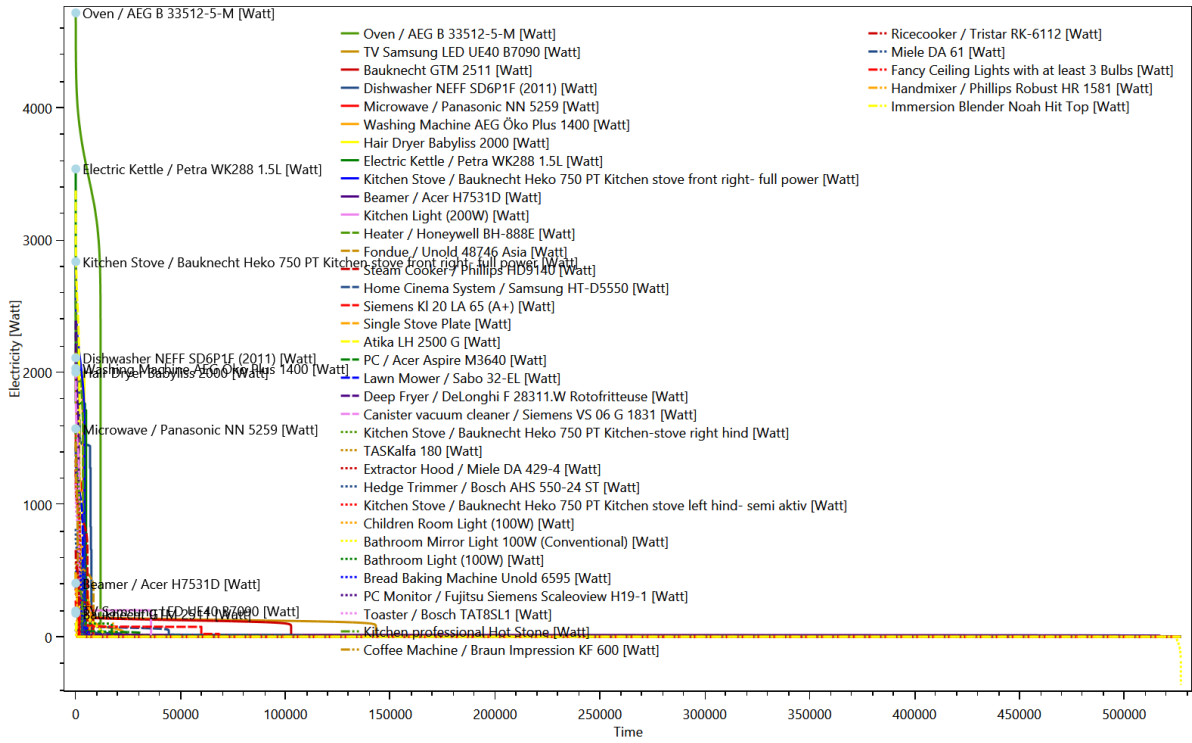
This is made from the files starting with: DeviceDurationCurves

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

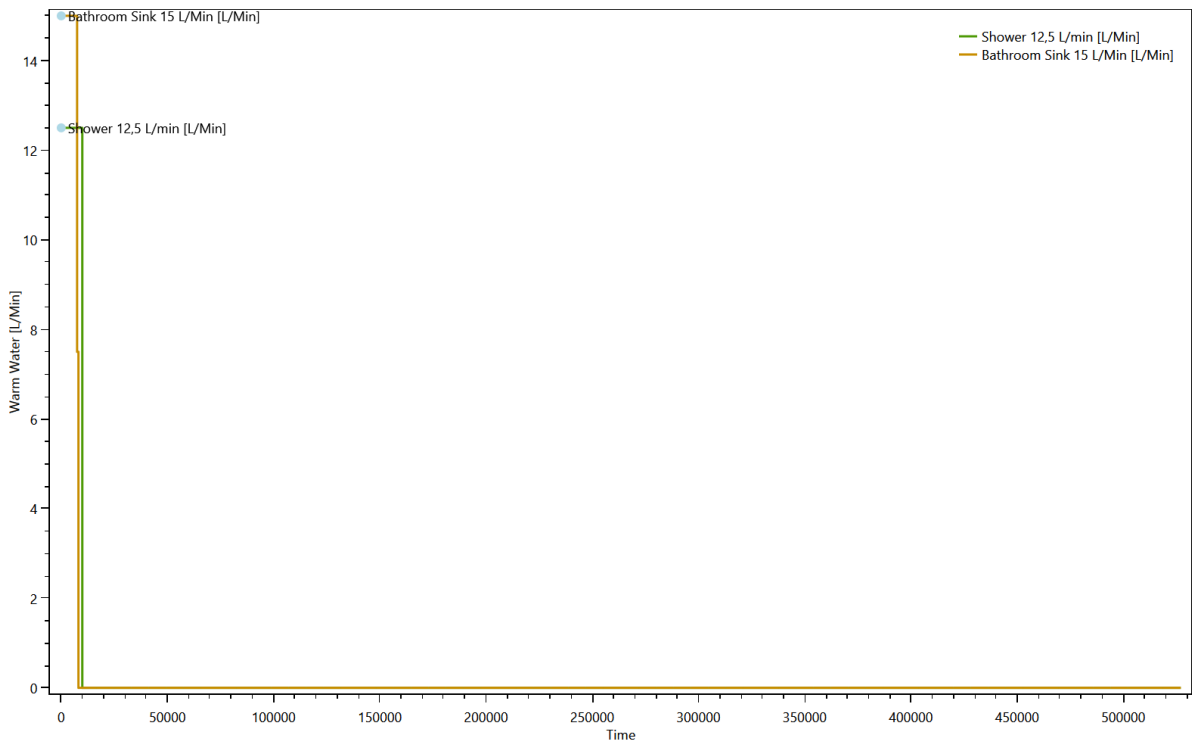
Cold Water



Electricity



Warm Water

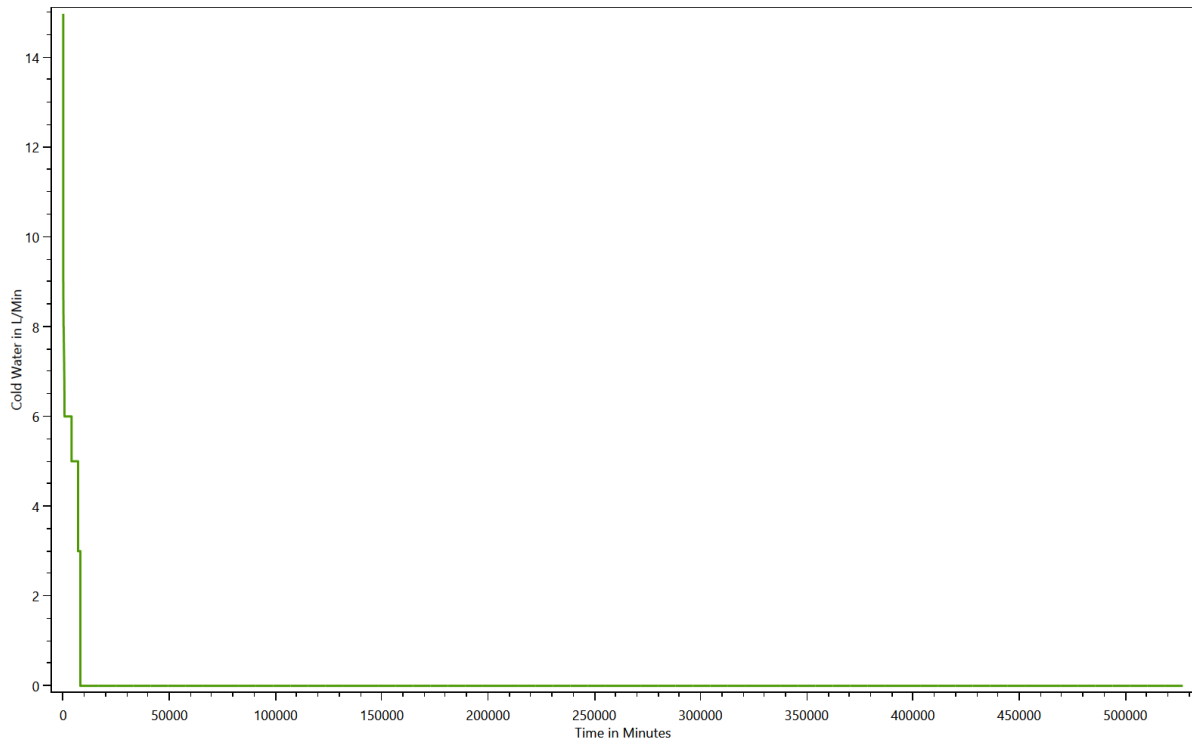


Duration curve for each load type

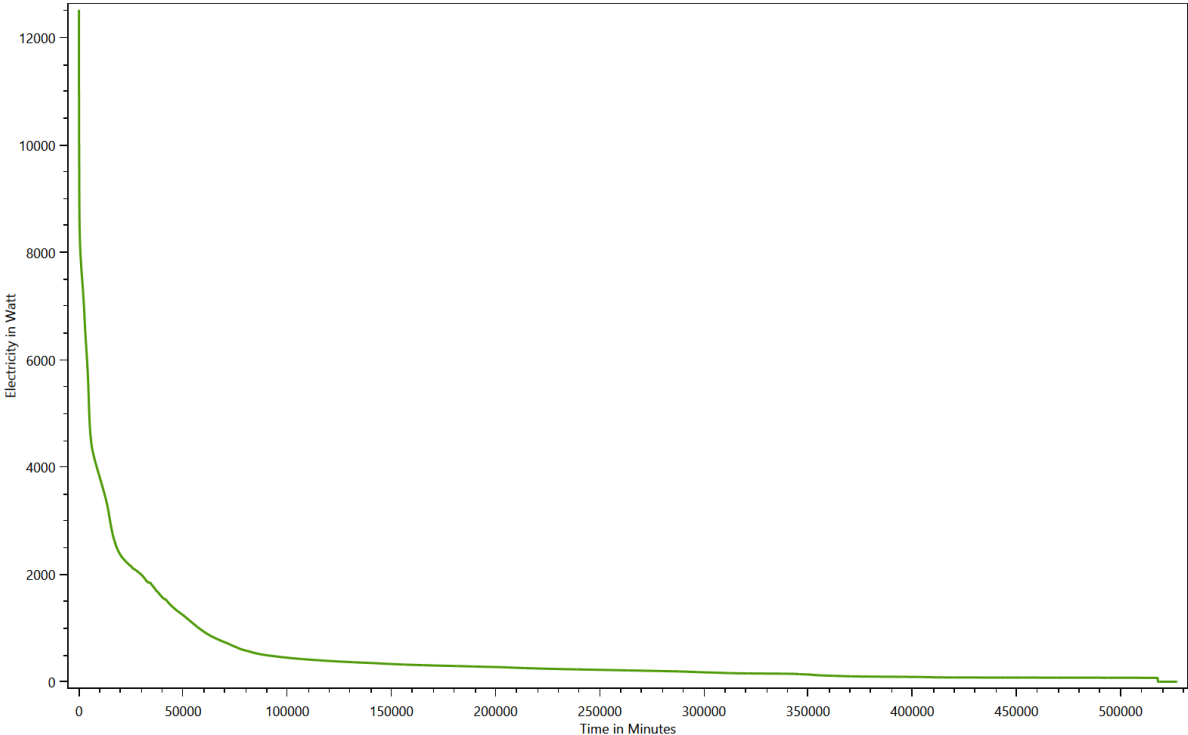
This is made from the files starting with: **DurationCurve**

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

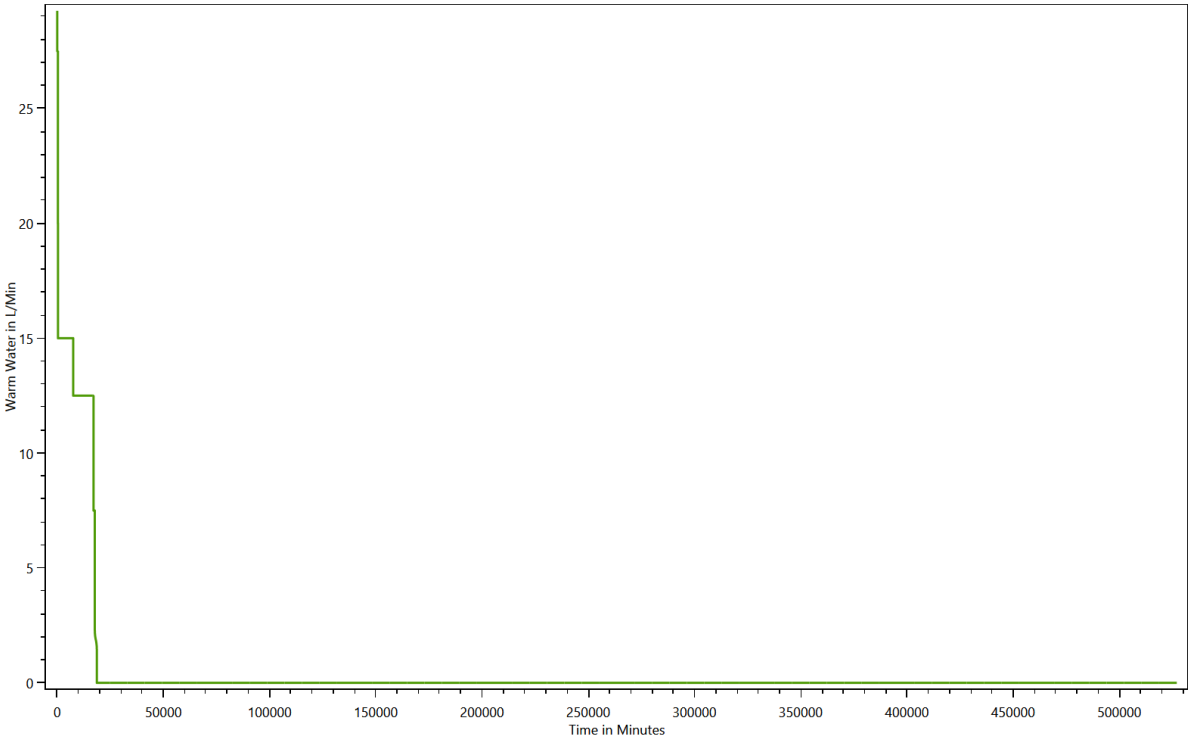
Cold Water



Electricity



Warm Water

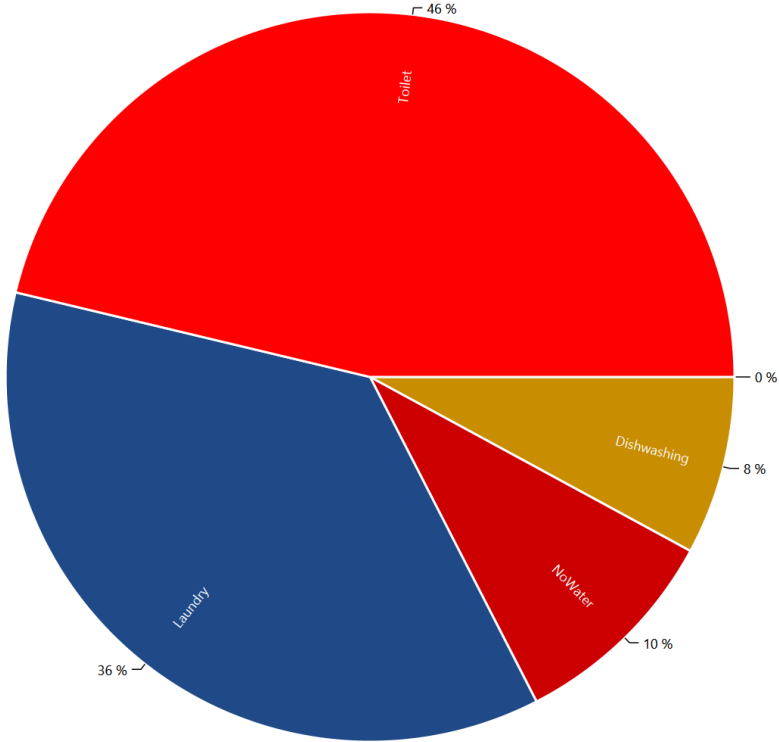


Grouped energy use for each load type for each device

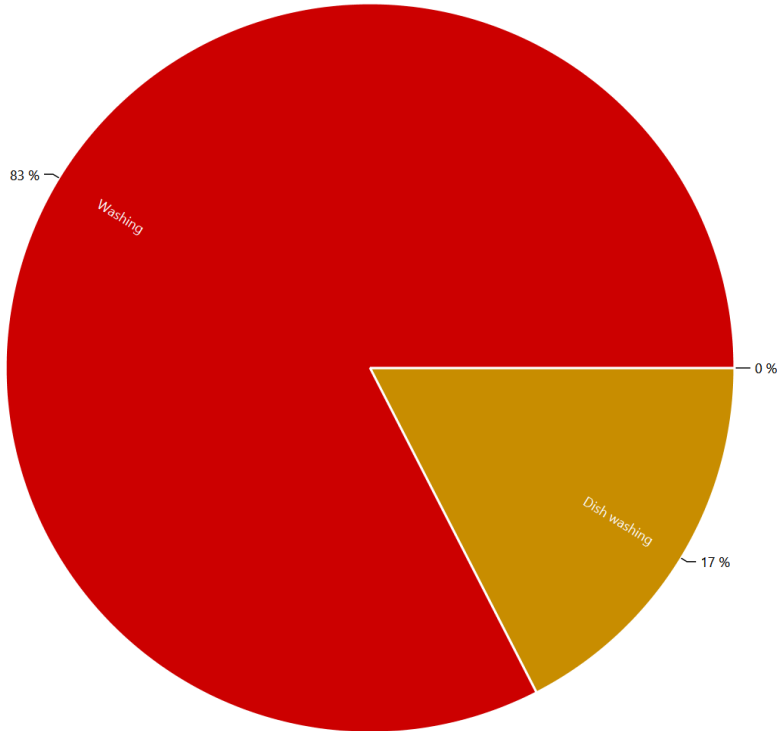
This is made from the files starting with: DeviceTaggingSet

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

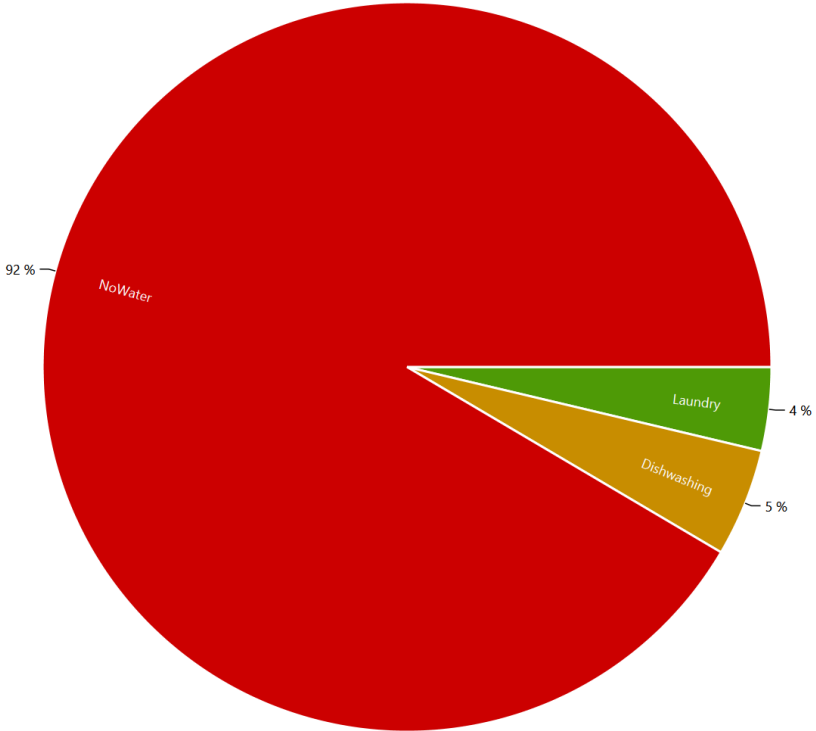
HH0 - Destatis Water Usage Statistics - Cold Water



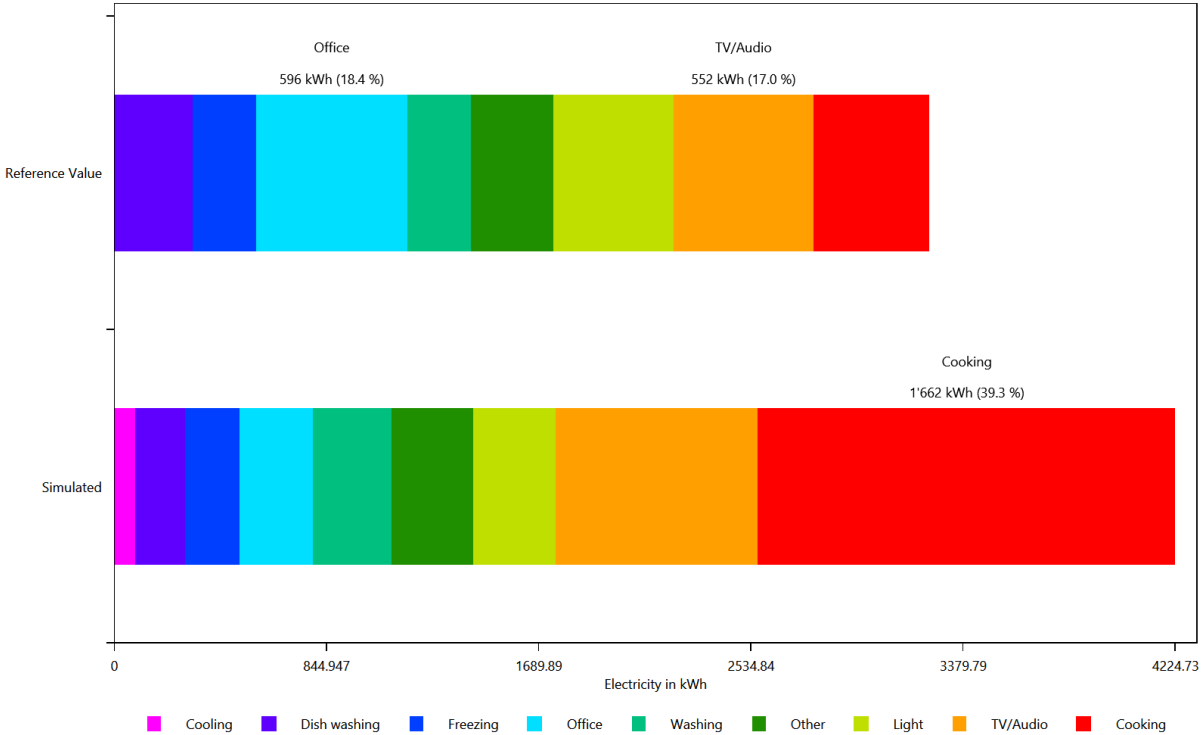
HH0 - Energieagentur - Cold Water



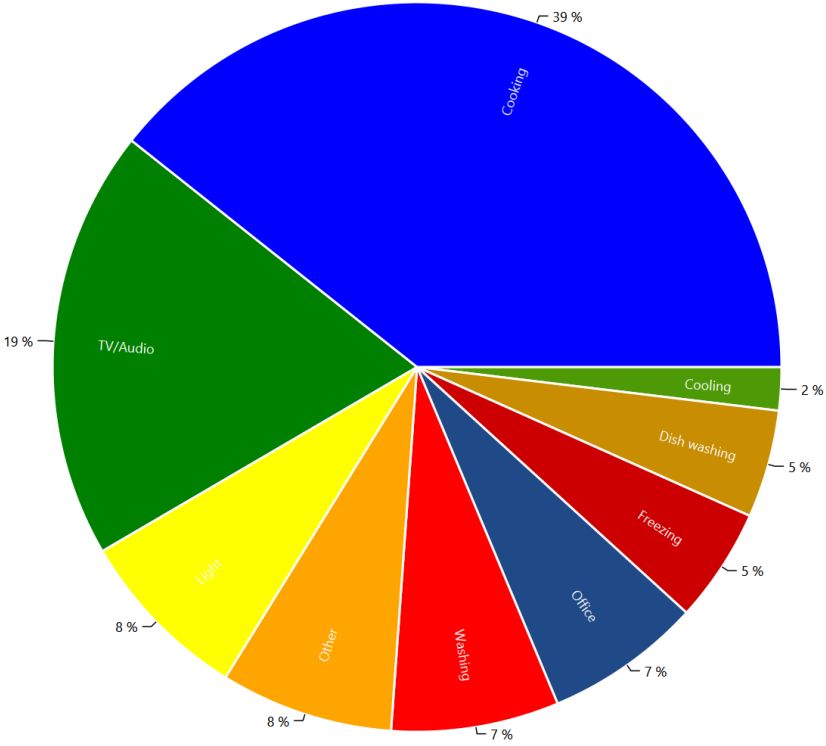
HH0 - Destatis Water Usage Statistics - Electricity



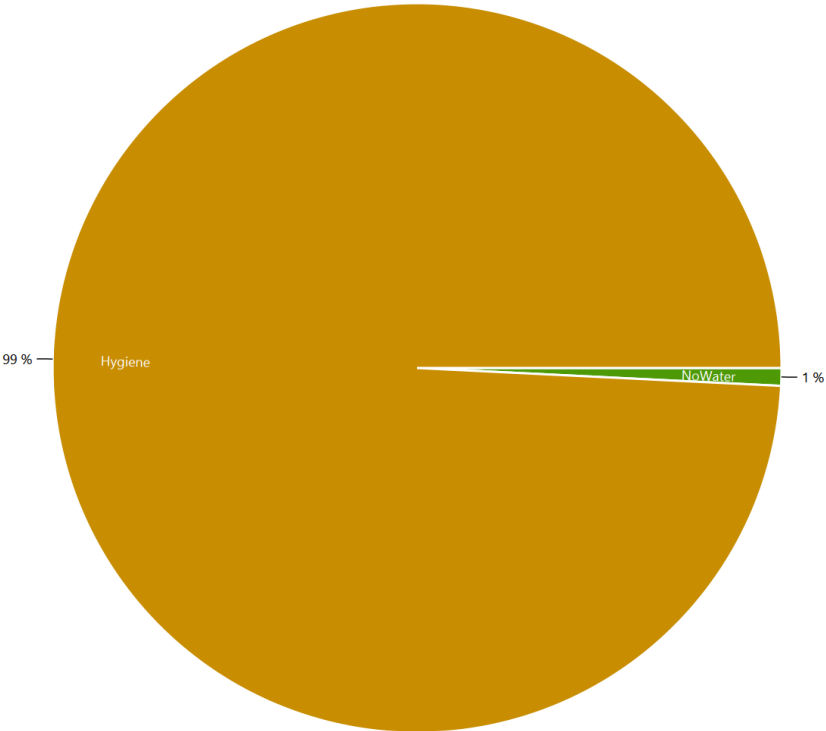
HH0 - Energieagentur - Electricity



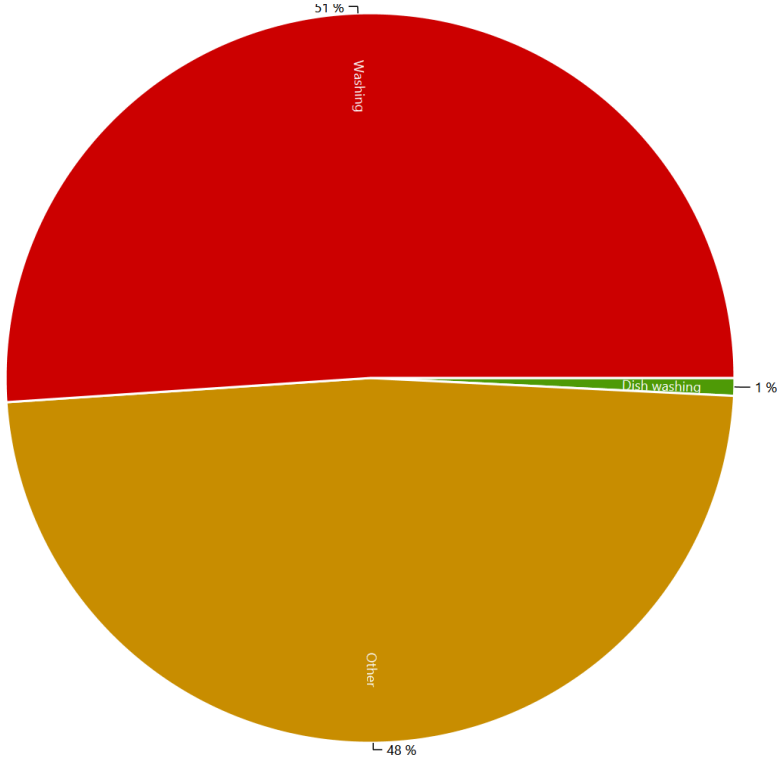
HH0 - Energieagentur - Electricity



HH0 - Destatis Water Usage Statistics - Warm Water



HH0 - Energieagentur - Warm Water

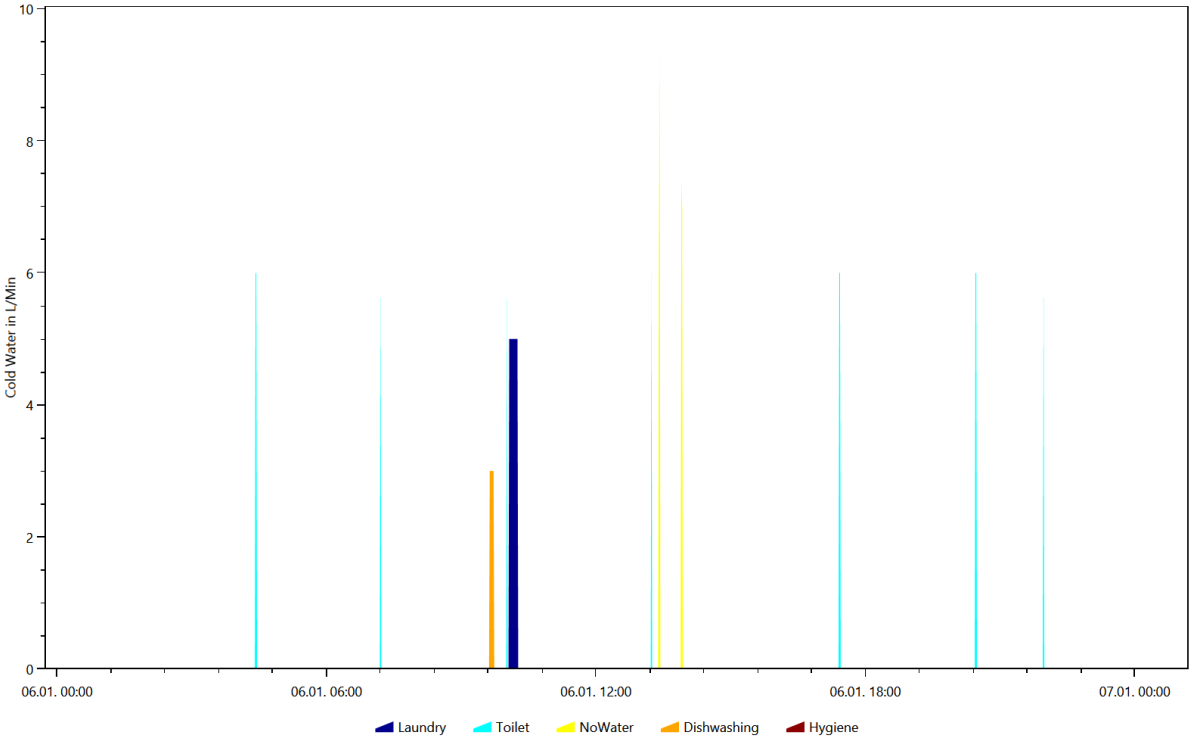


Example of the device profiles for each load type

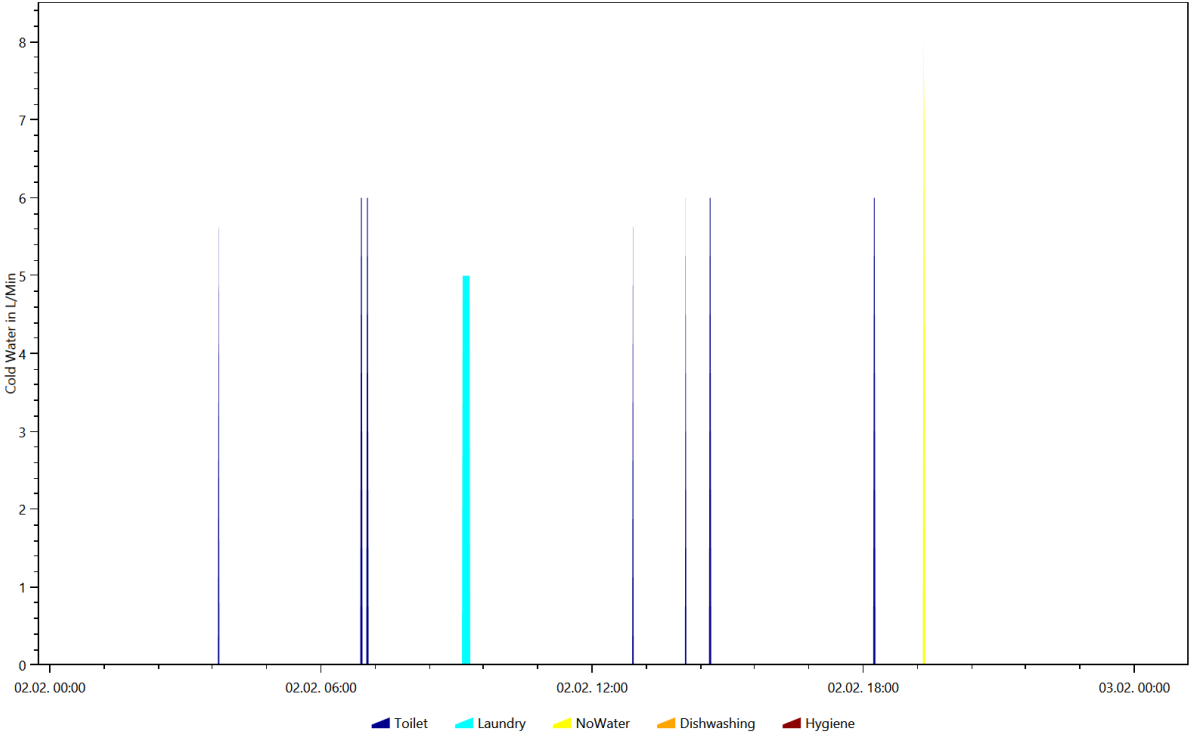
This is made from the files starting with: DeviceProfiles

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

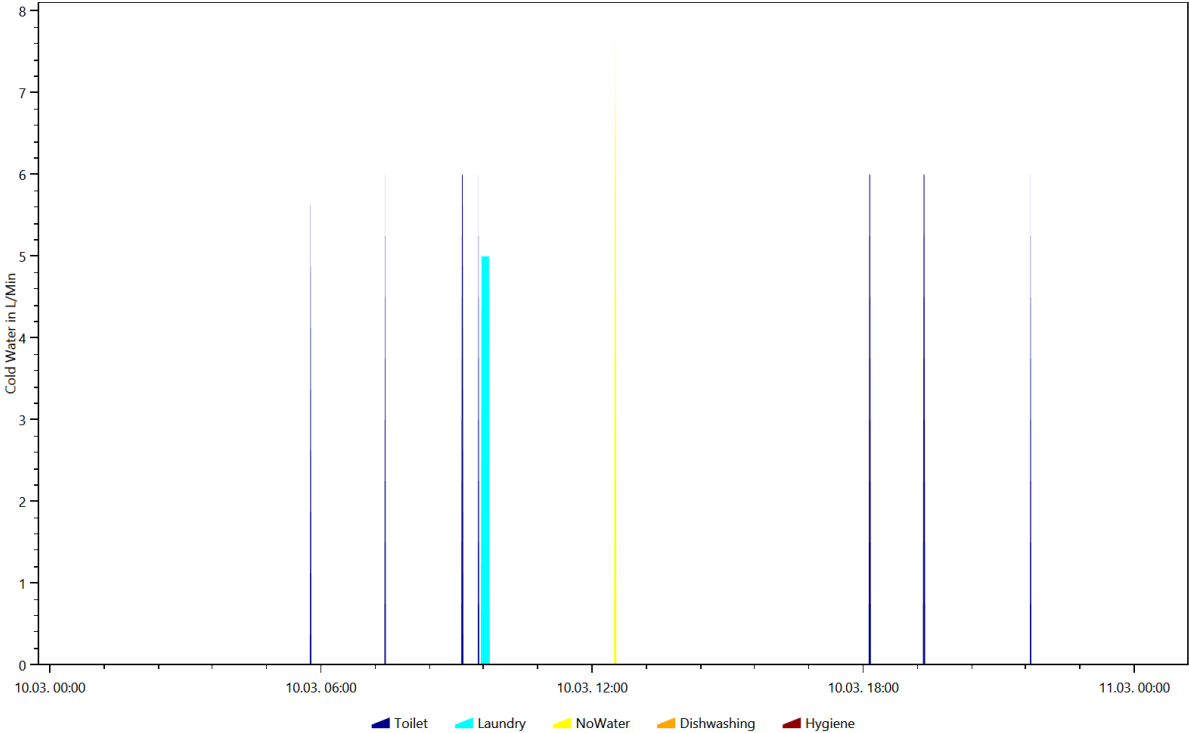
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.6



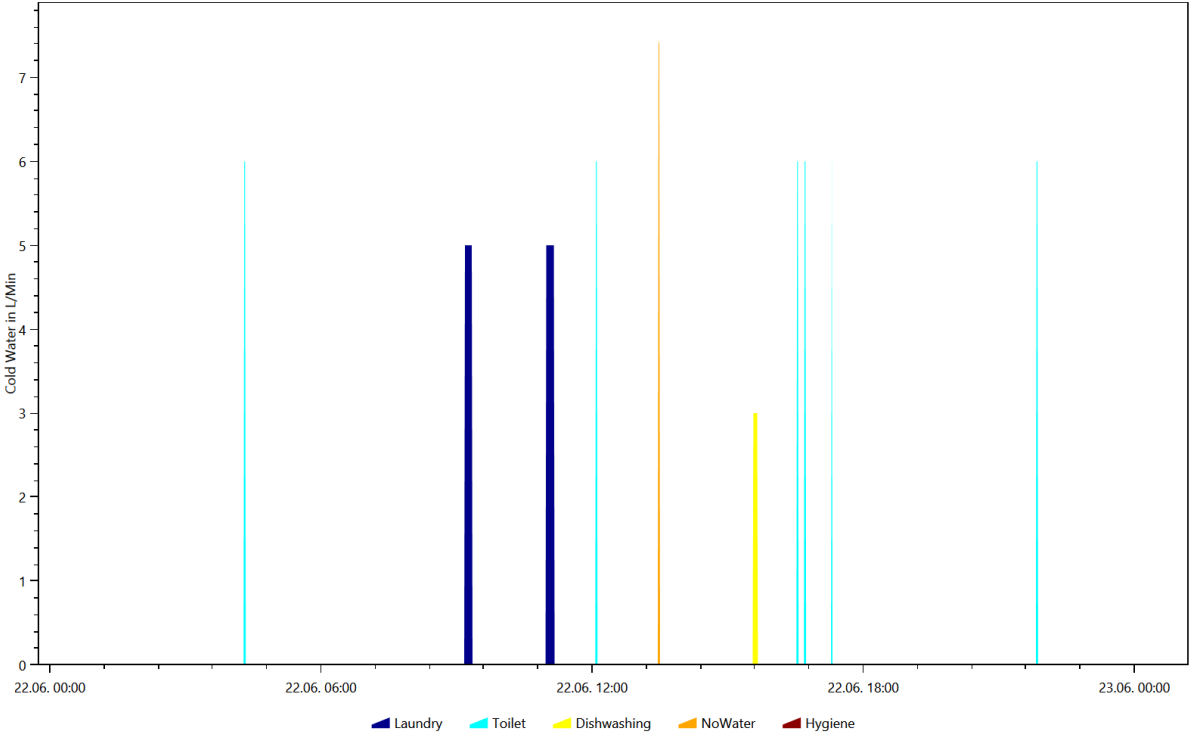
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.2



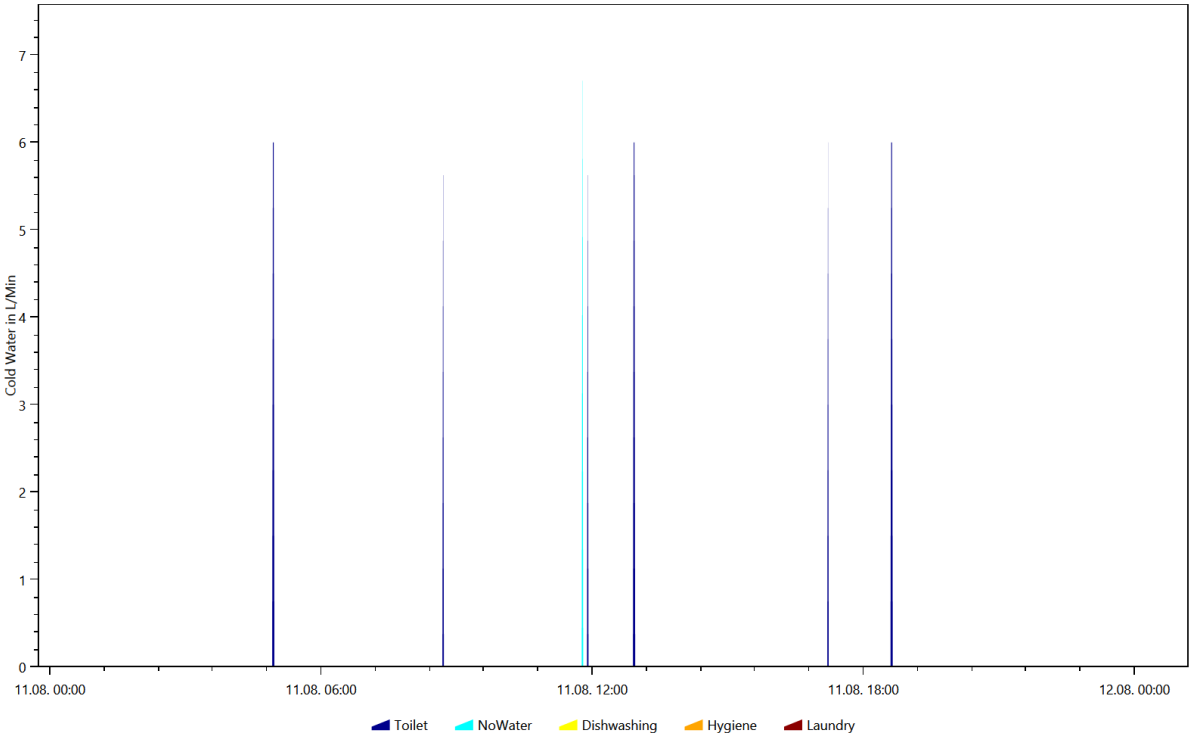
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.3.10



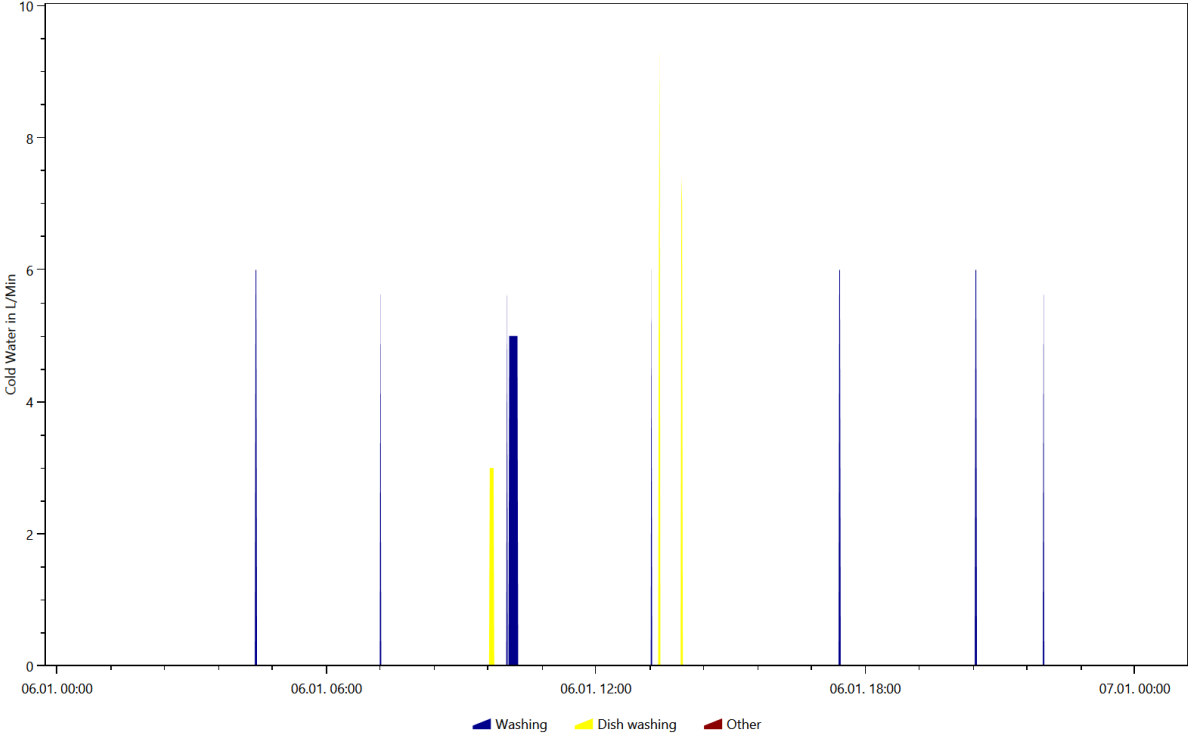
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.6.22



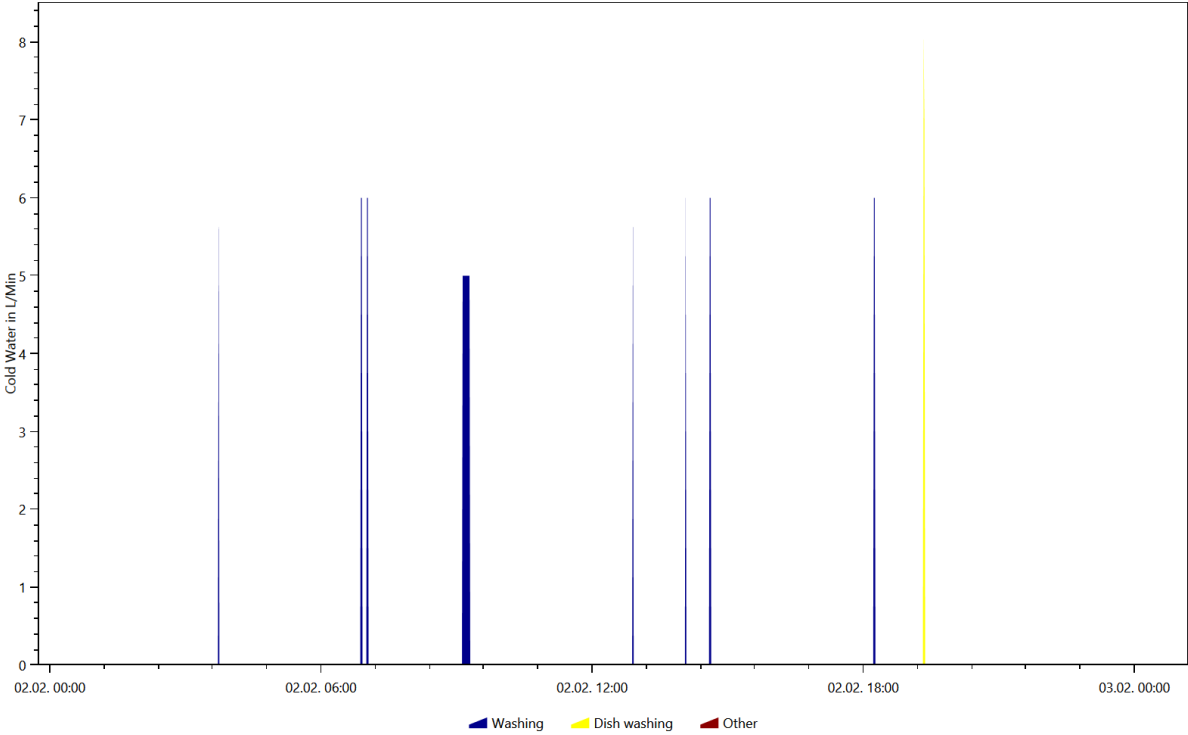
Cold Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.8.11



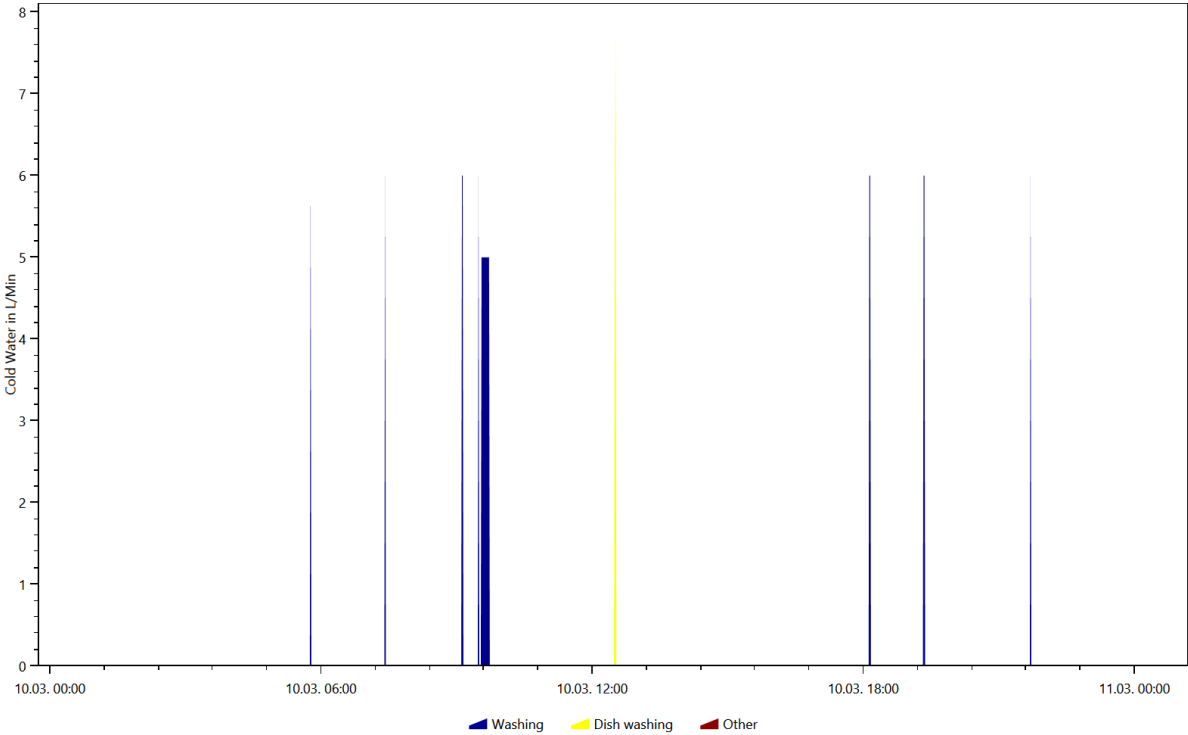
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.6



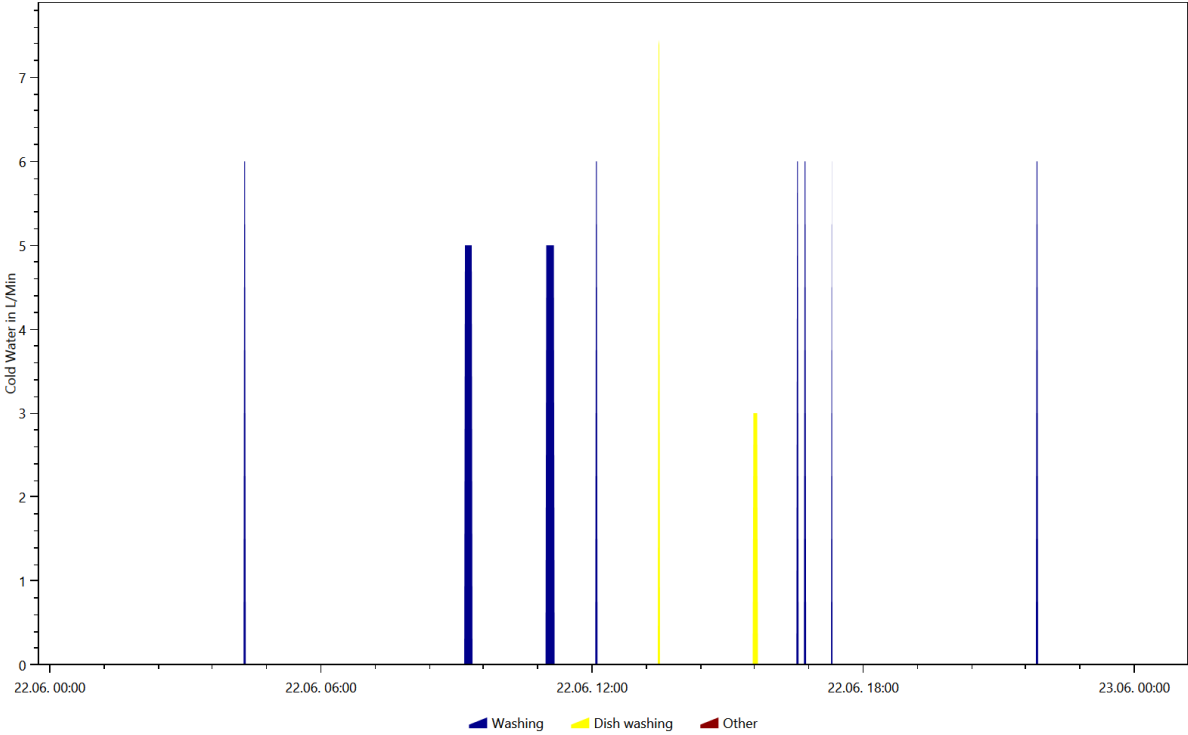
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.2



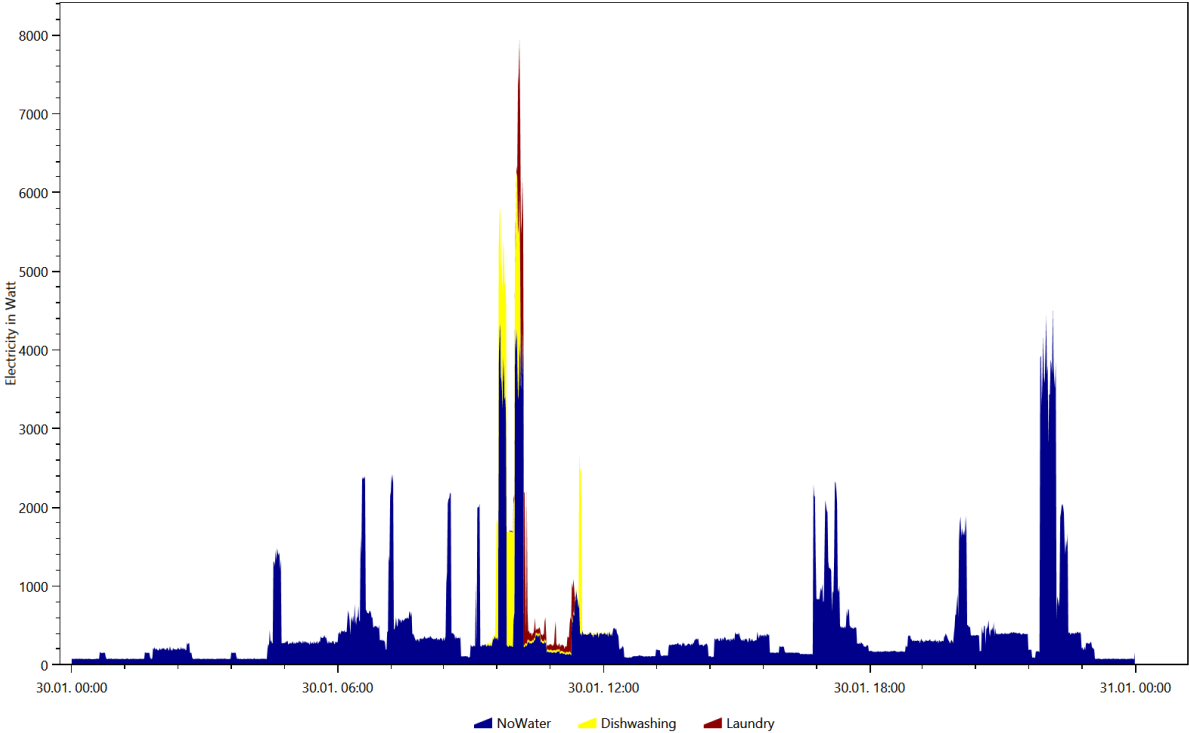
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.3.10



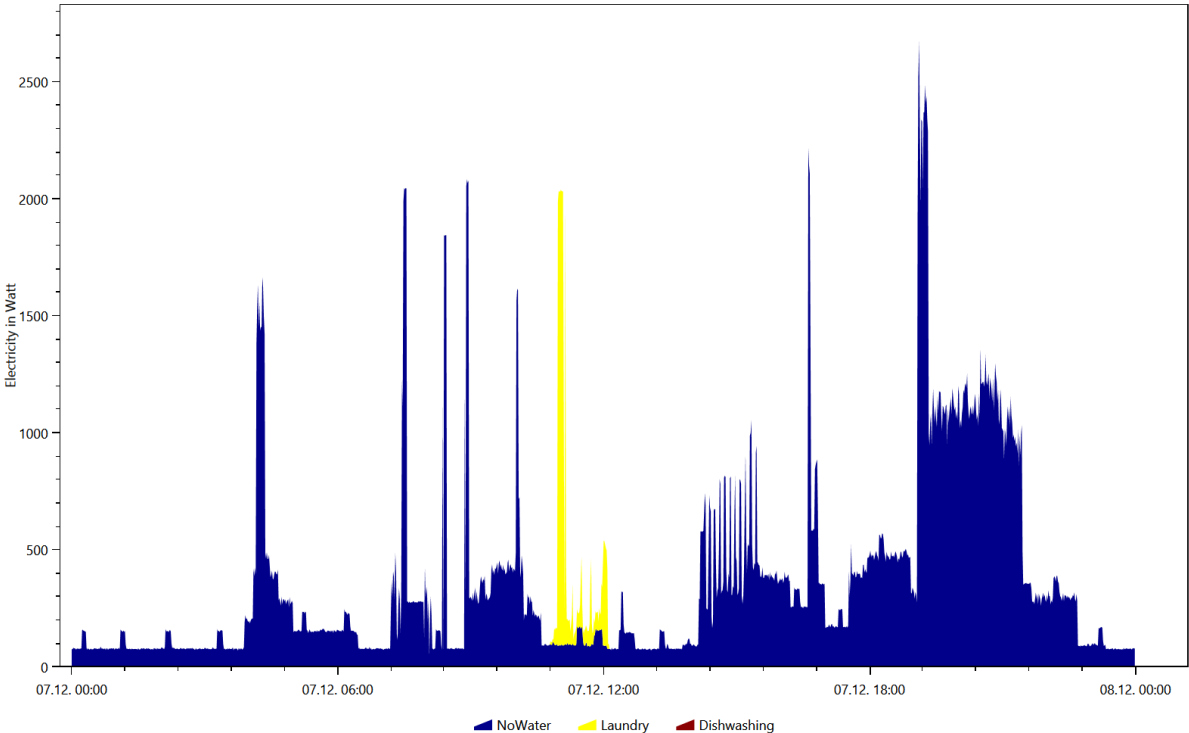
Cold Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.6.22



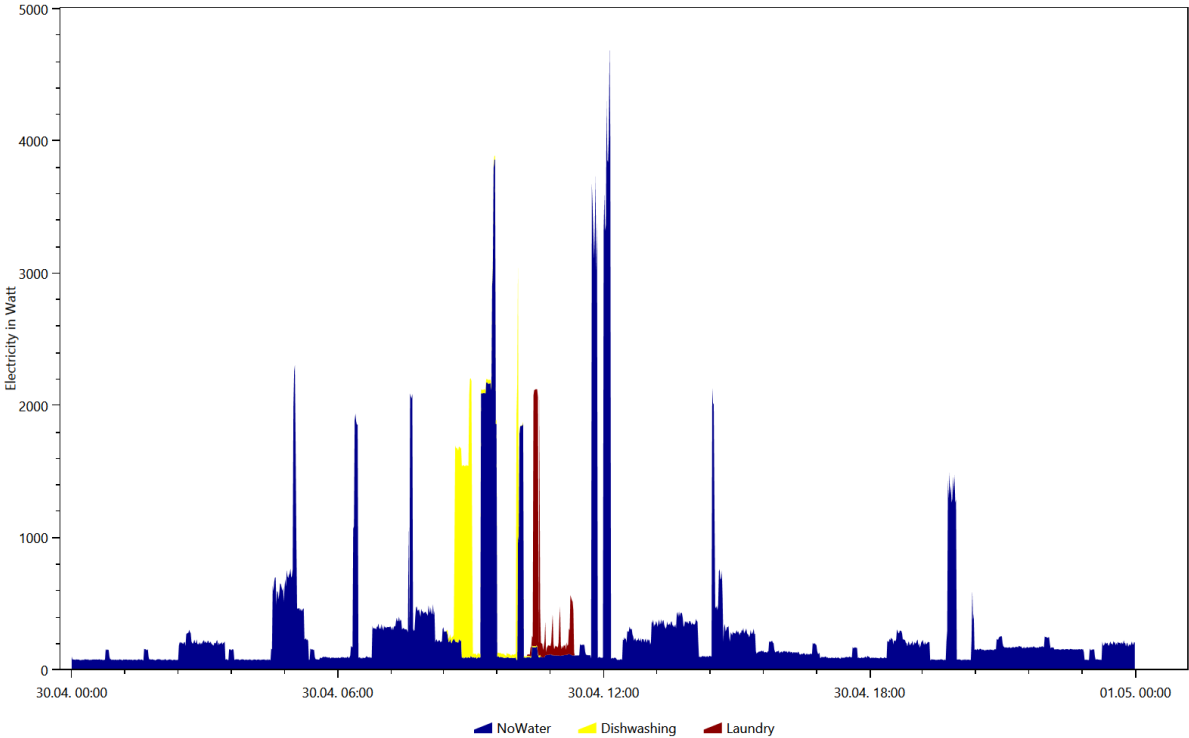
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.1.30



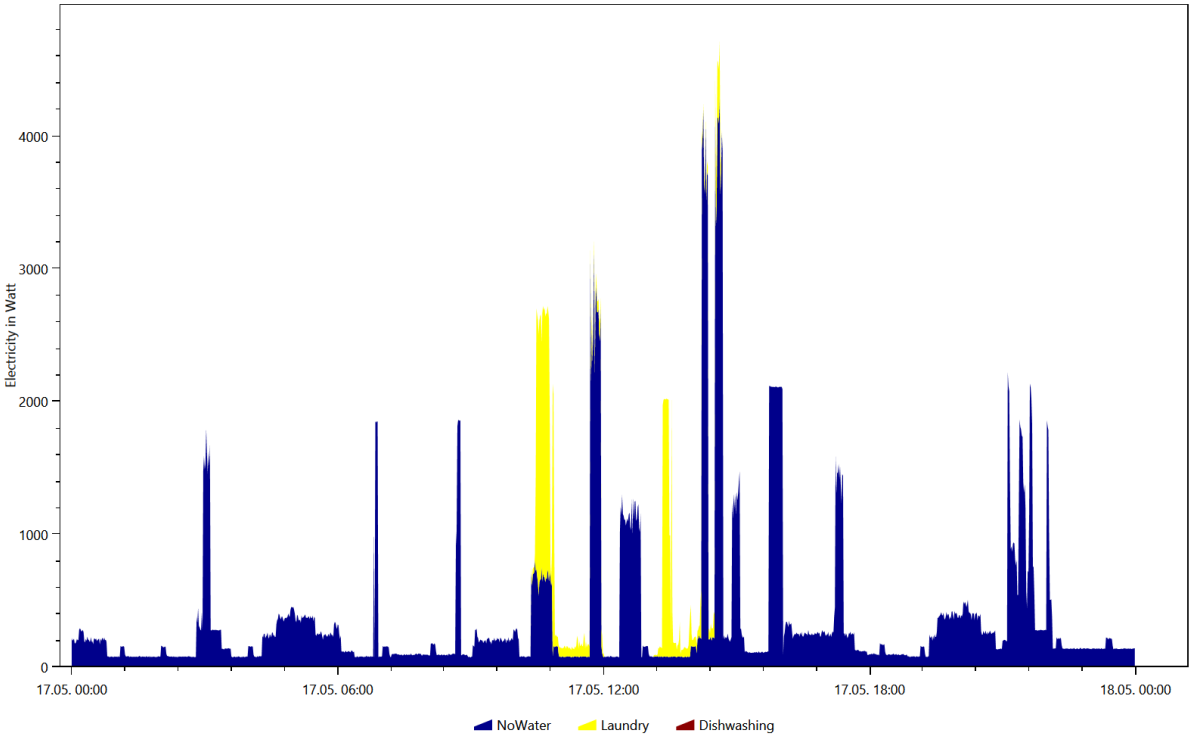
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.12.7



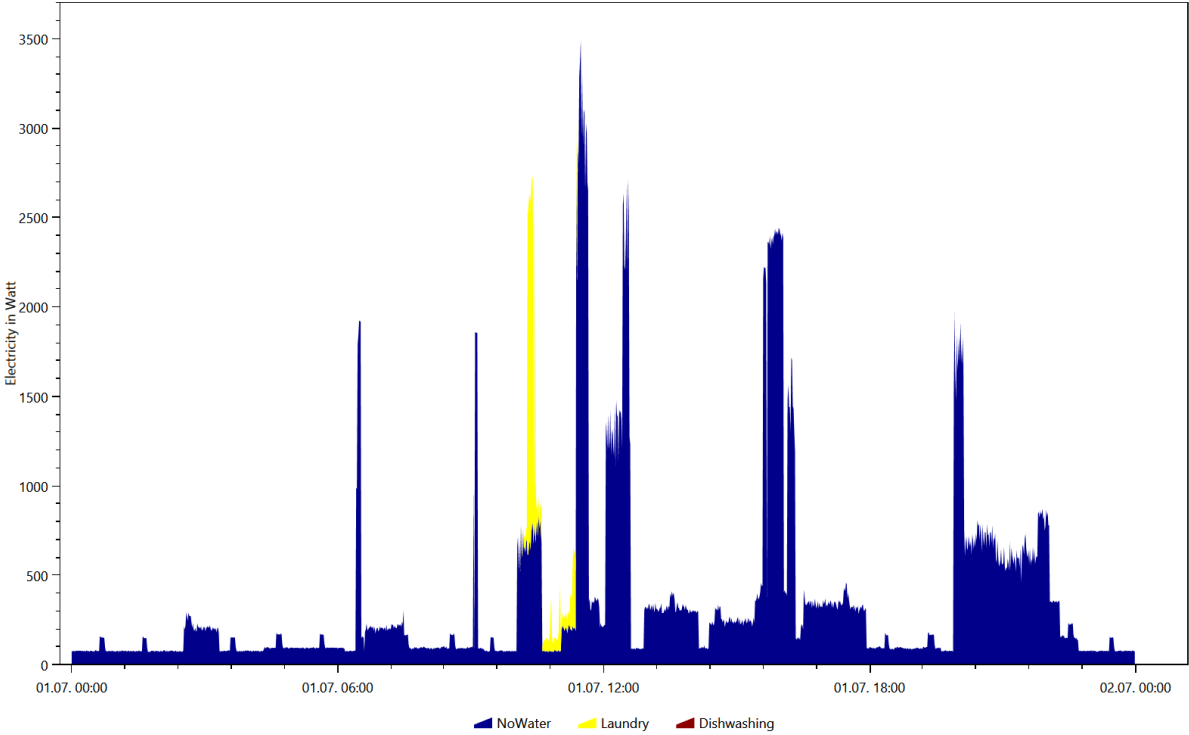
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.4.30



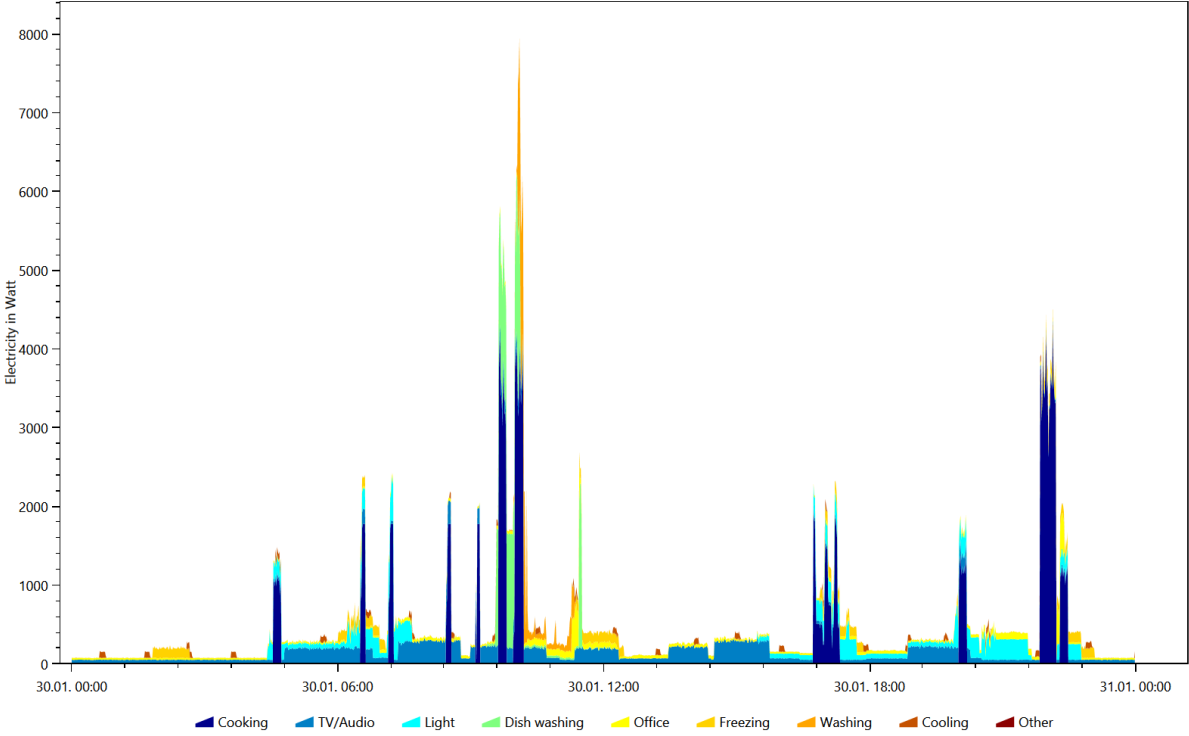
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.5.17



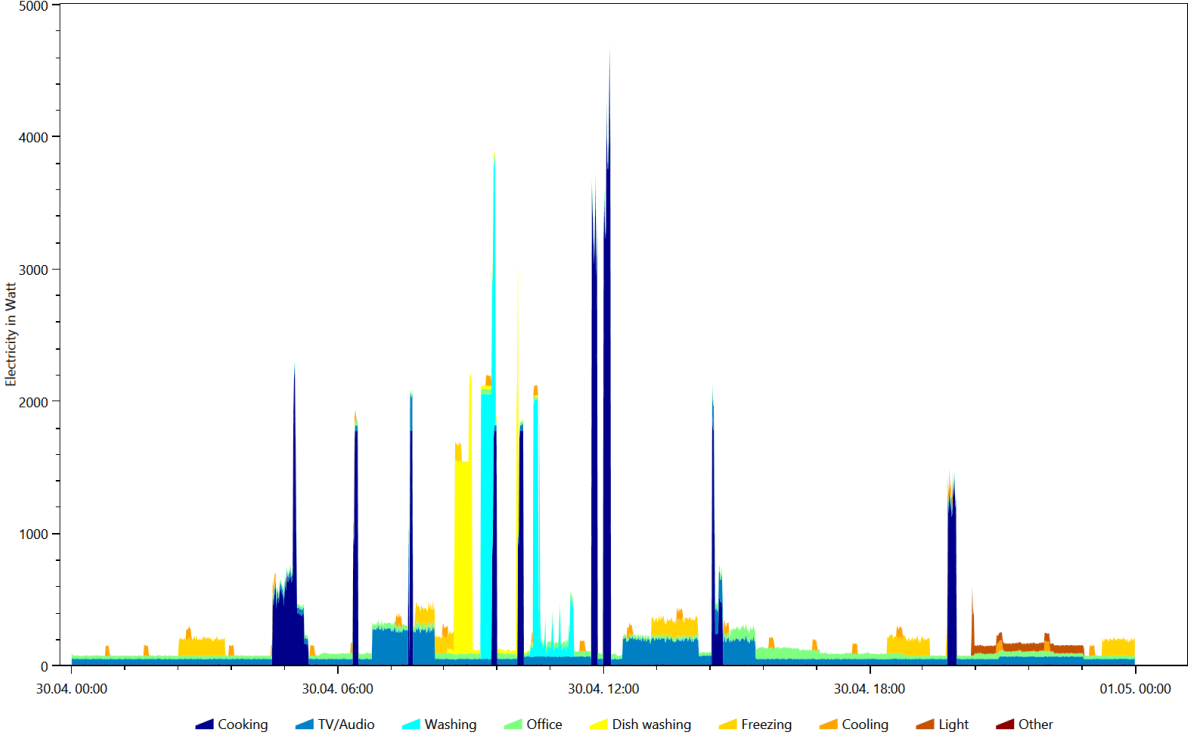
Electricity, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.1



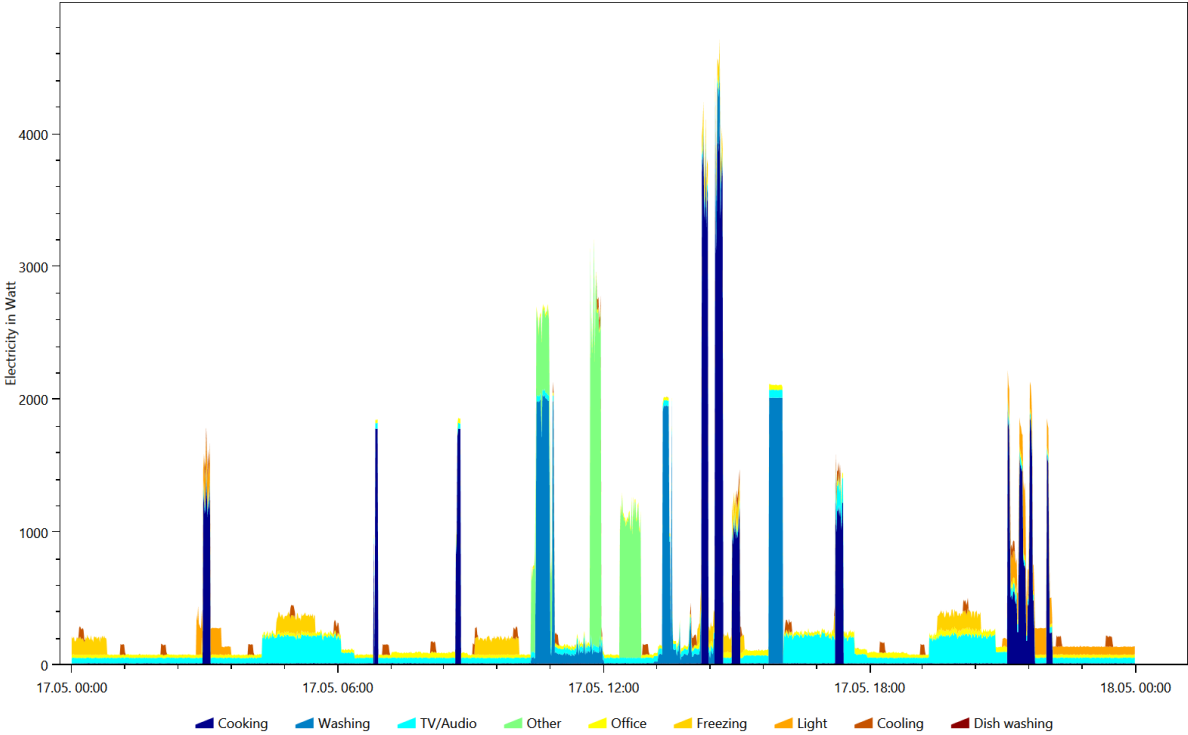
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.1.30



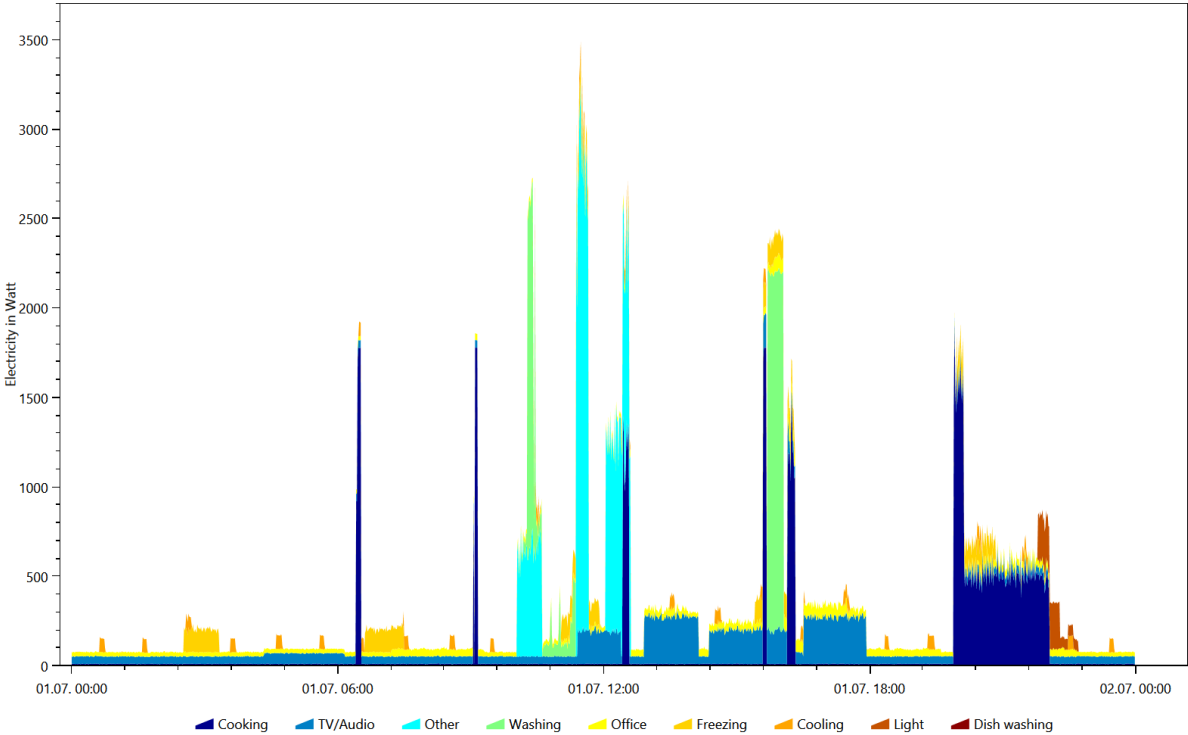
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.4.30



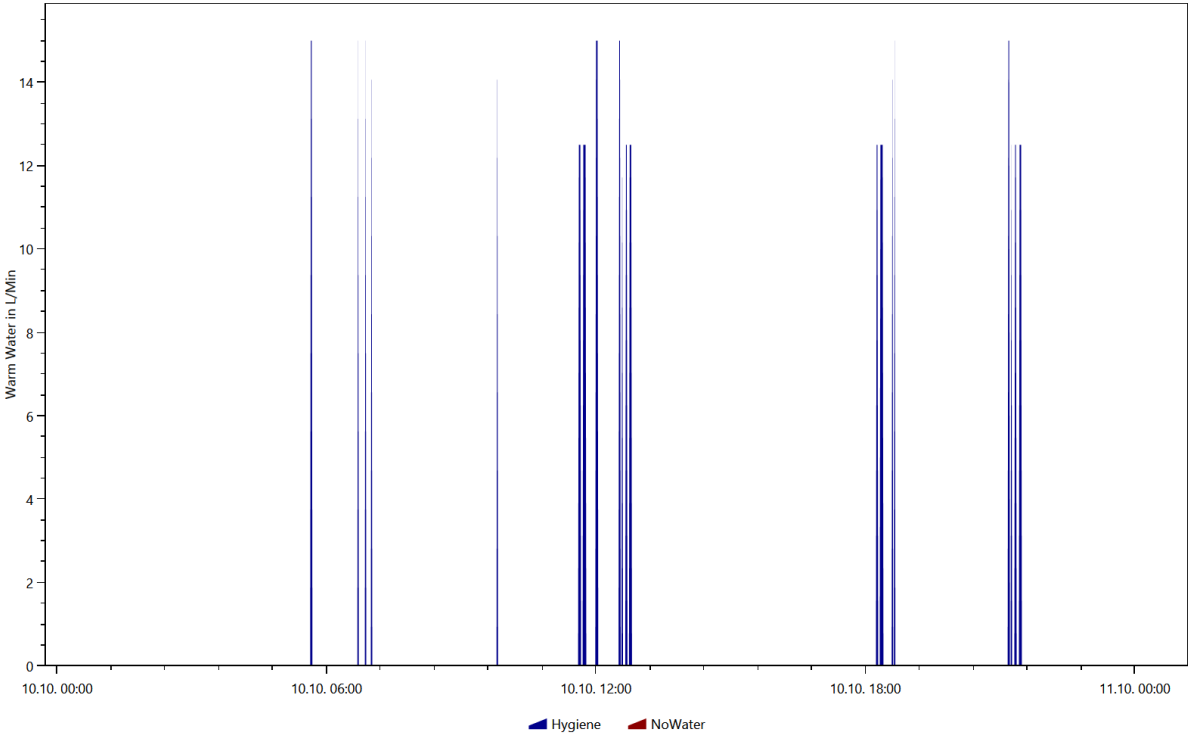
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.5.17



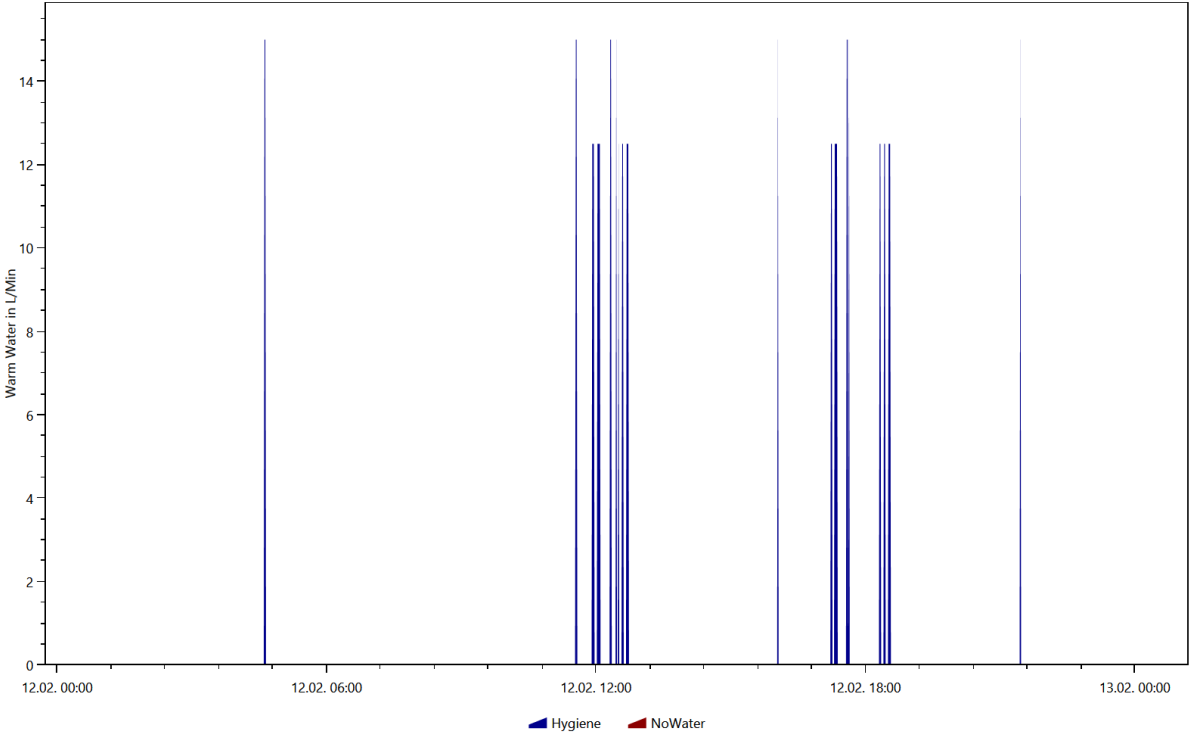
Electricity, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.1



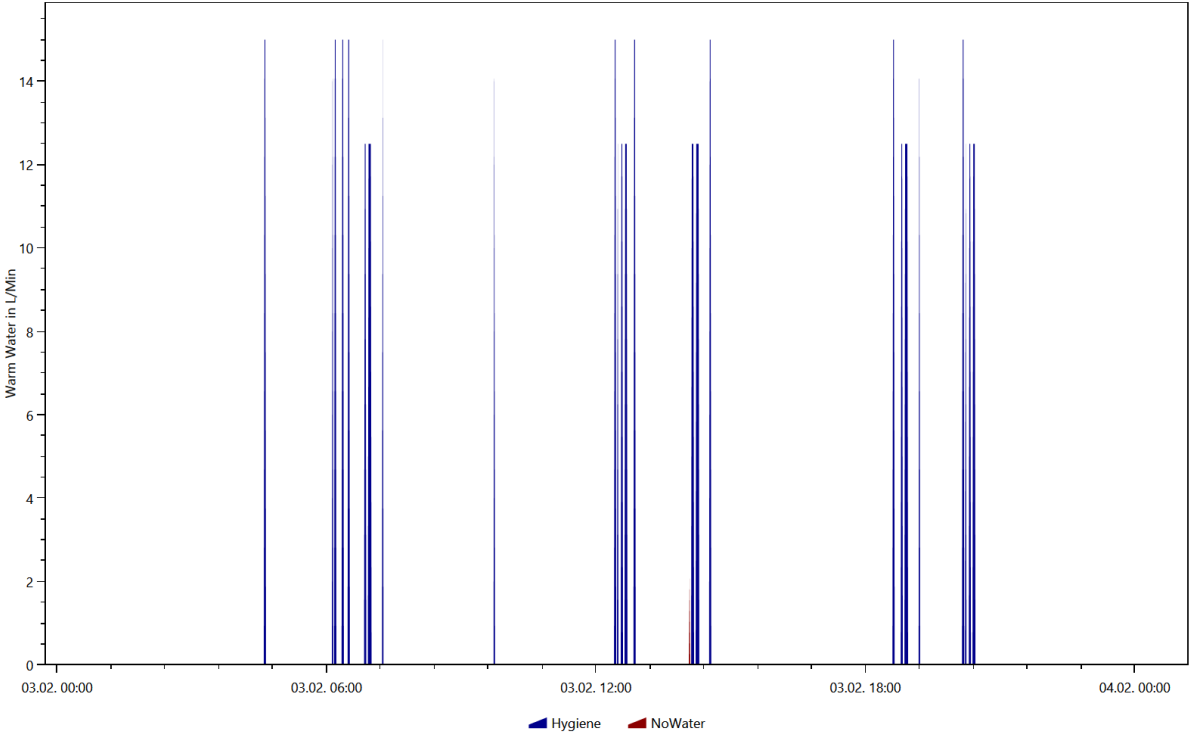
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.10.10



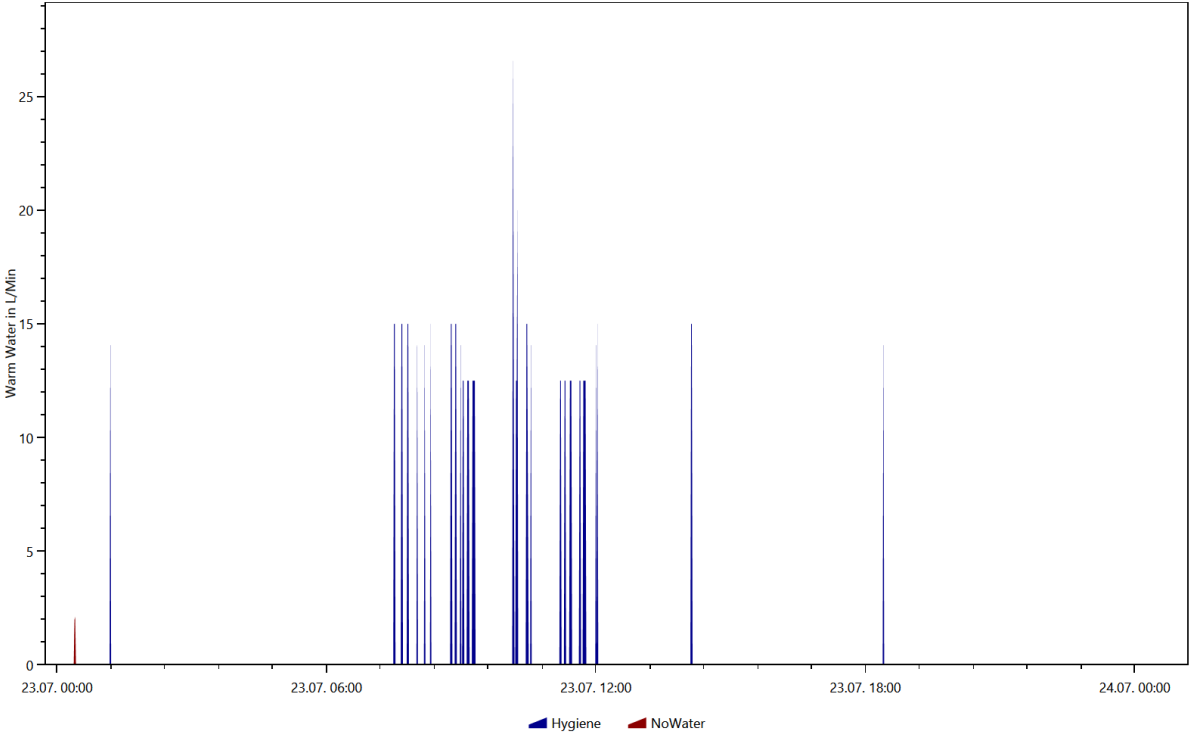
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.12



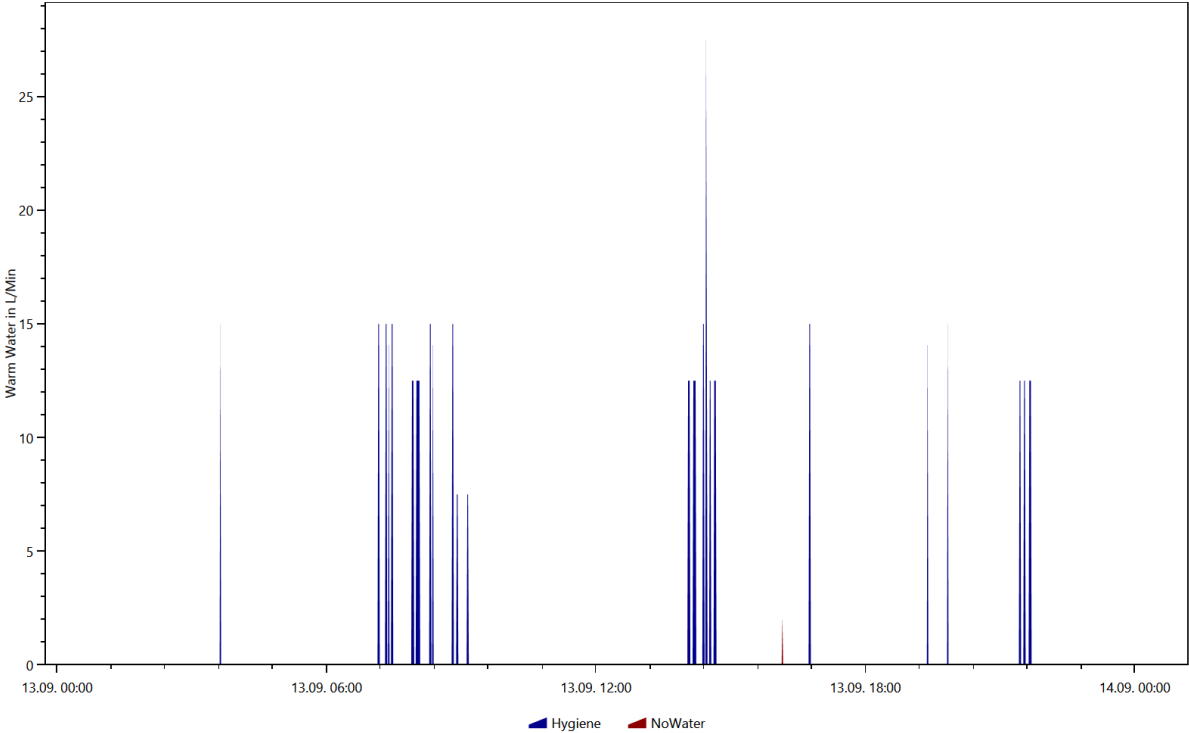
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.2.3



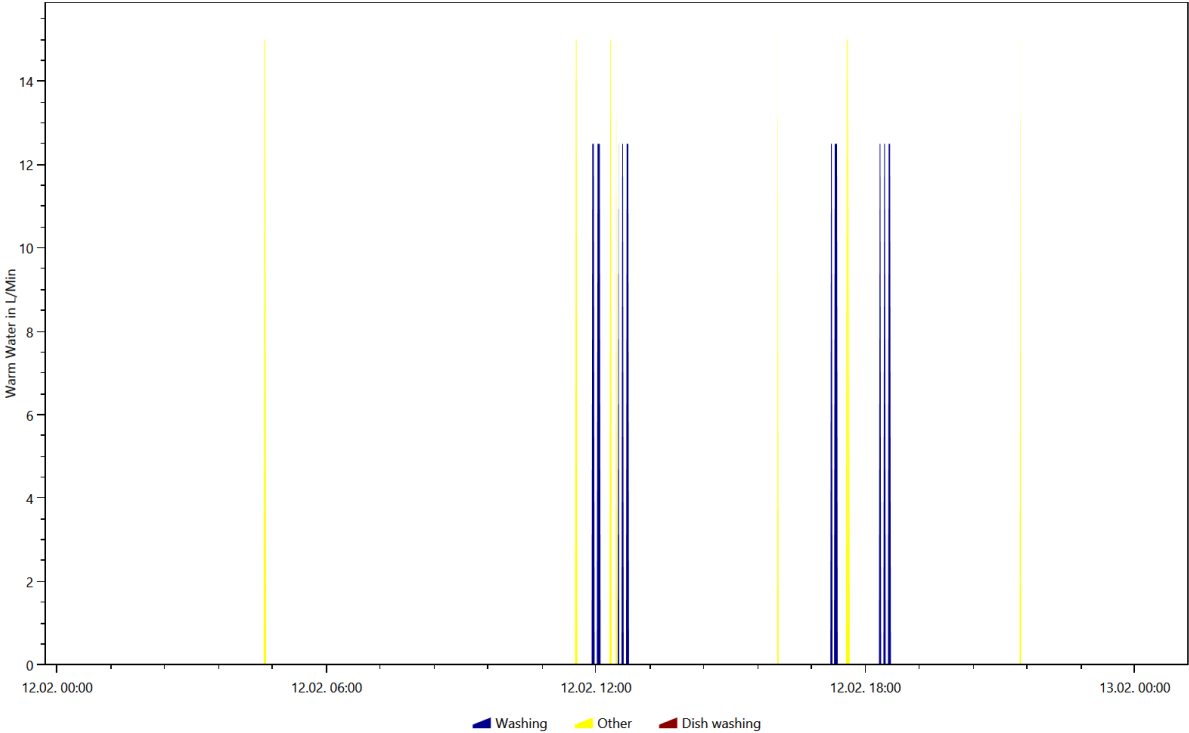
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.7.23



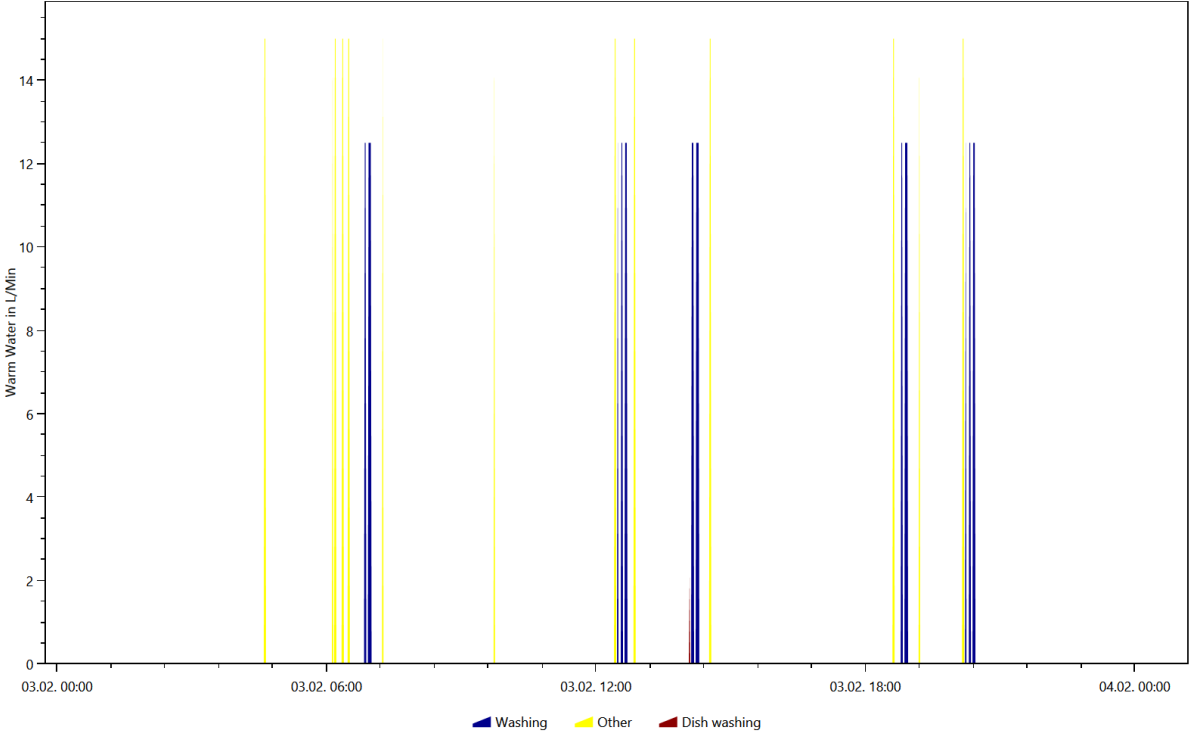
Warm Water, Coloring Scheme: Destatis Water Usage Statistics, Date 2016.9.13



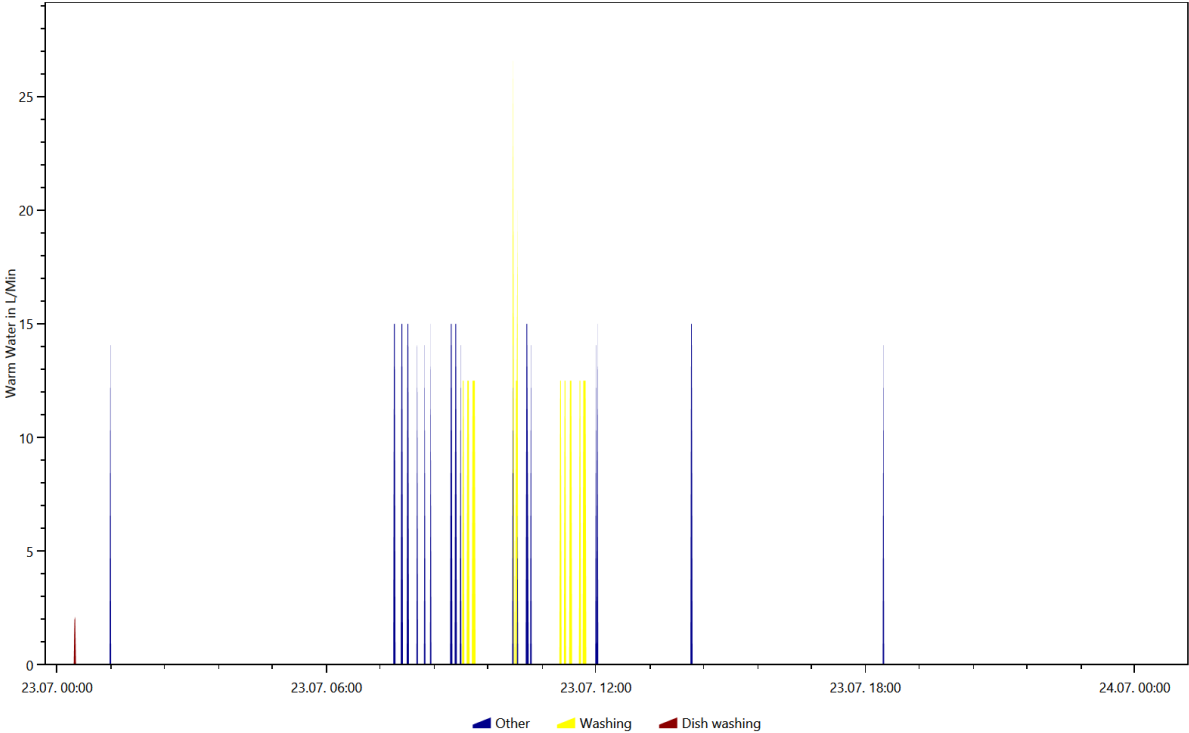
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.12



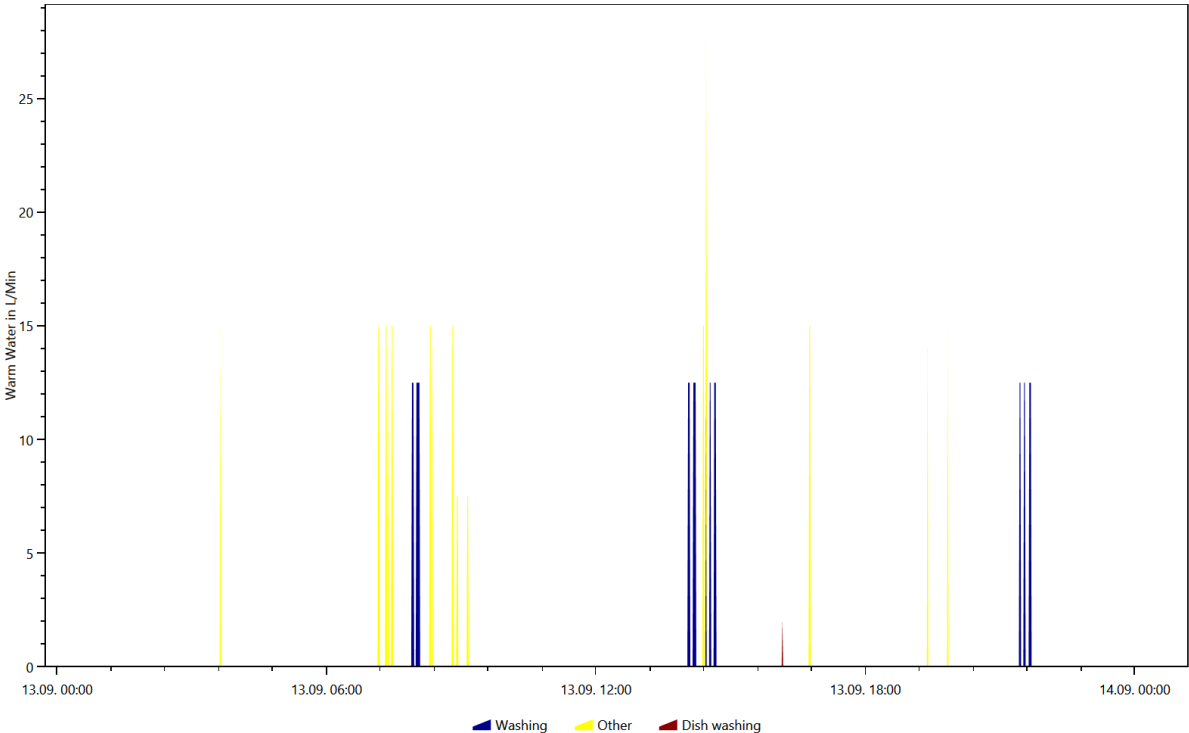
Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.2.3



Warm Water, Coloring Scheme: Energieagentur.NRW Tags, Date 2016.7.23



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

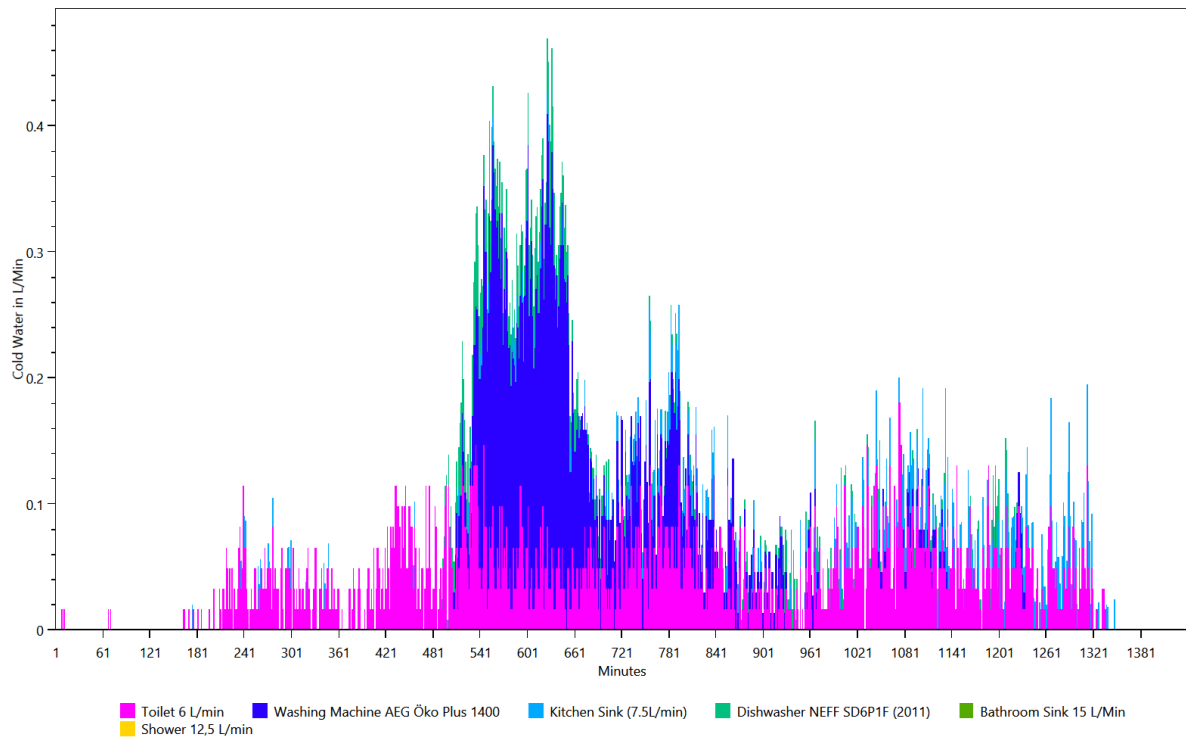


Overview of the time and power of the use per load type per device

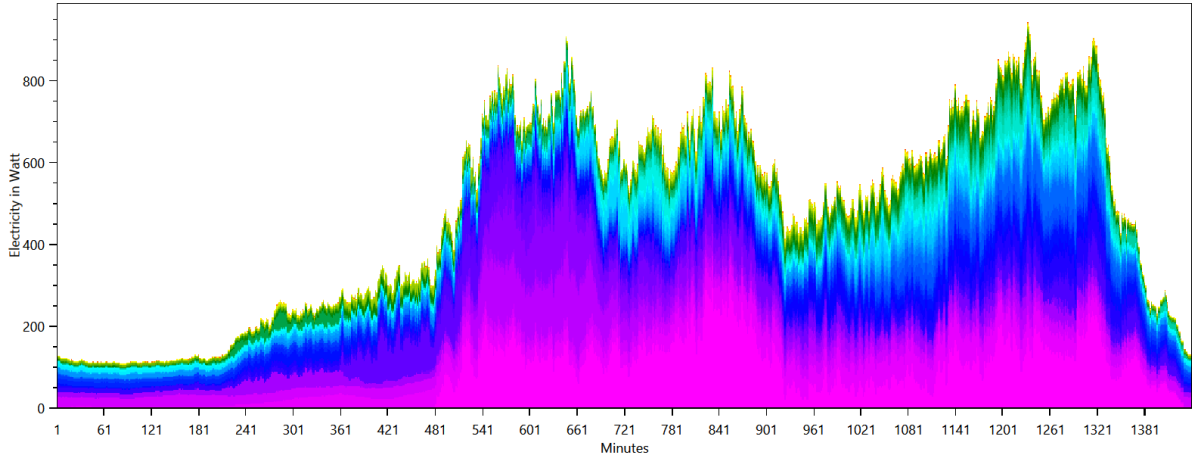
This is made from the files starting with: **TimeOfUseEnergyProfiles**

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

Cold Water

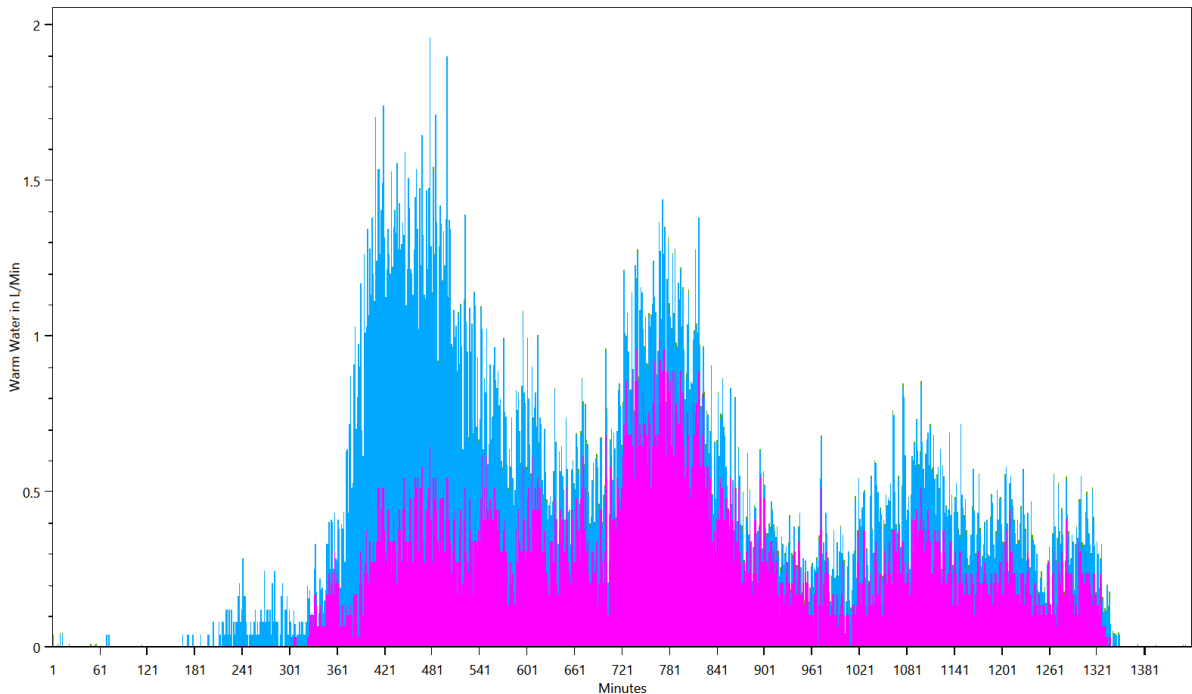


Electricity



- Oven / AEG B 33512-5-M
- TV Samsung LED UE40 B7090
- Bauknecht GTM 2511
- Dishwasher NEFF SD6P1F (2011)
- Microwave / Panasonic NN 5259
- Washing Machine AEG Öko Plus 1400
- Hair Dryer Babylliss 2000
- Electric Kettle / Petra WK288 1.5L
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove front right - full power
- Beamer / Acer H7531D
- Kitchen Light (200W)
- Heater / Honeywell BH-888E
- Living Room Light (60W)
- Yamaha RX-V667
- Panasonic HiFi System (unknown type)
- Fondue / Unold 48746 Asia
- Steam Cooker / Phillips HD9140
- Home Cinema System / Samsung HT-D5550
- Siemens KI 20 LA 65 (A+)
- Laptop Sony Vaio SVE151G11M
- Single Stove Plate
- Atika LH 2500 G
- Router / AVM FRITZ! Box Fon WLAN 7390
- PC / Acer Aspire M3640
- Lawn Mower / Sabo 32-EL
- Deep Fryer / DeLonghi F 28311.W Rotofritteuse
- Canister vacuum cleaner / Siemens VS 06 G 1831
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen-stove right hind
- TASKalfa 180
- Extractor Hood / Miele DA 429-4
- Hedge Trimmer / Bosch AHS 550-24 ST
- Kitchen Stove / Bauknecht Heko 750 PT Kitchen stove left hind- semi aktiv
- Children Room Light (100W)
- CD/DVD Player / Phillips HDR3810/31
- Bathroom Mirror Light 100W (Conventional)
- Bathroom Light (100W)
- SAT Receiver / Kathrein UFS913
- Bread Baking Machine Unold 6595
- Nintendo Wii
- Phone Siemens Gigaset C320
- PC Monitor / Fujitsu Siemens Scaleoview H19-1
- Toaster / Bosch TAT8SL1
- Kitchen professional Hot Stone
- Coffee Machine / Braun Impression KF 600
- Ricecooker / Tristar RK-6112
- Kitchen radio / AEG KRC 4323 CD
- Electric Razor Braun Cruzer 5
- Miele DA 61
- Fancy Ceiling Lights with at least 3 Bulbs
- Bedroom Light (20W)
- Handmixer / Phillips Robust HR 1581
- Epson Stylus Color 860
- Electric Toothbrush Dondodent Professional Clean
- External Harddrive lomega 3.5"
- Immersion Blender Noah Hit Top
- Canon CanoScan LIDE 110
- Children Room Light (200W)

Warm Water



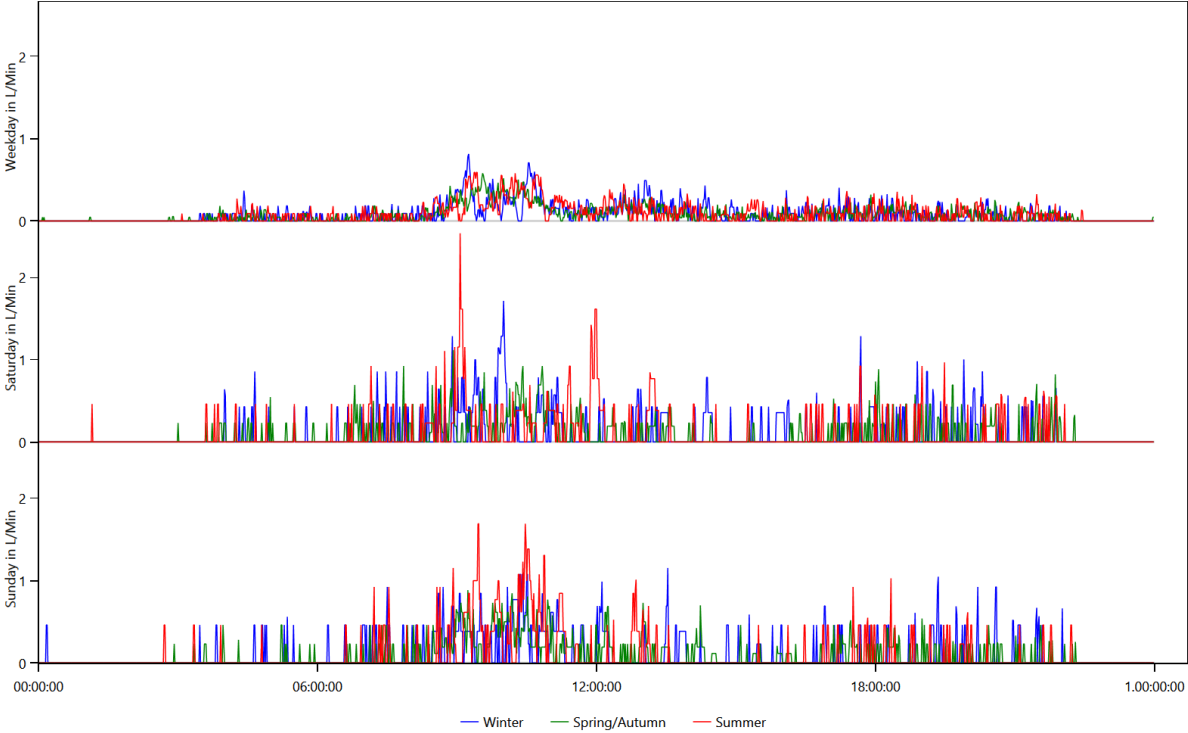
- Shower 12,5 L/min
- Bathroom Sink 15 L/Min
- Kitchen Sink (7.5L/min)

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

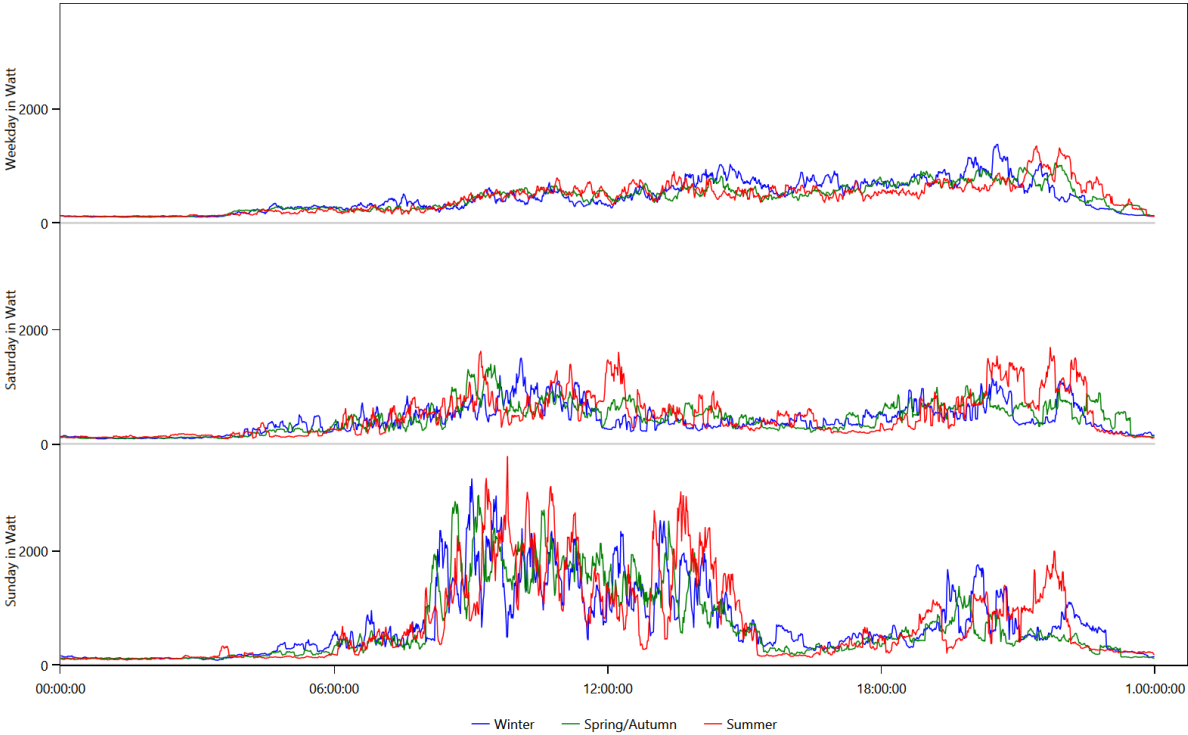
This is made from the files starting with: WeekdayProfiles

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

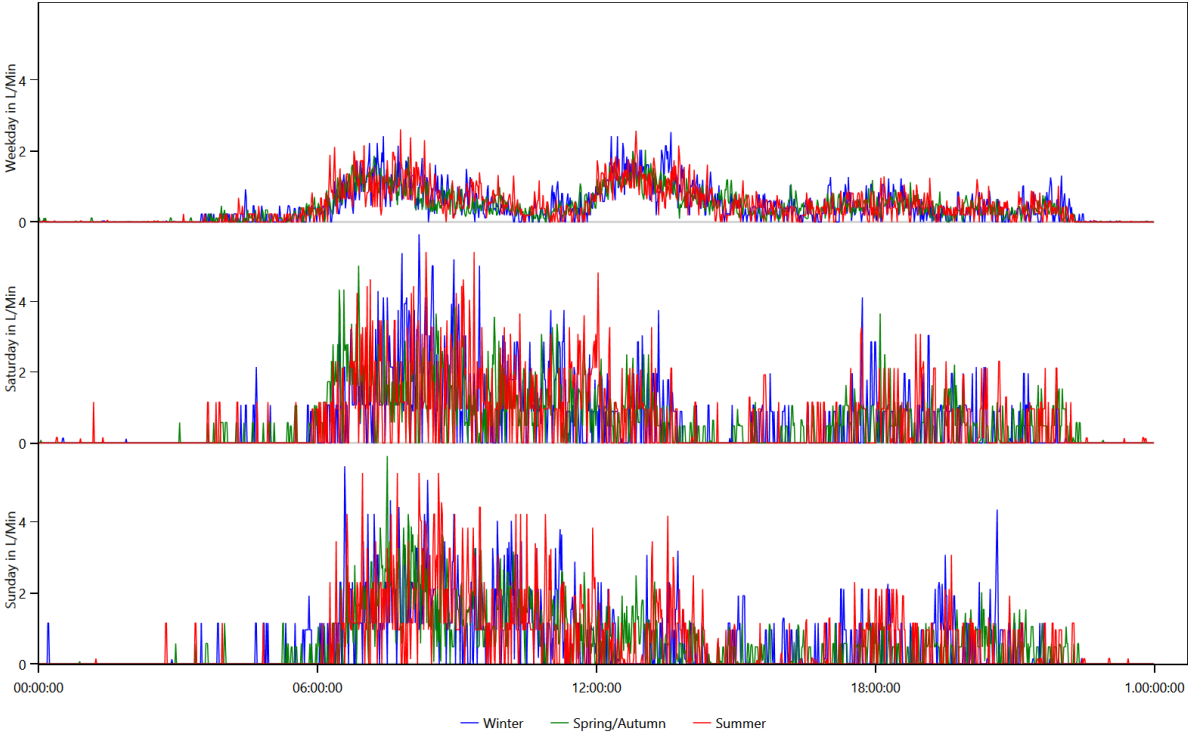
Cold Water



Electricity



Warm Water

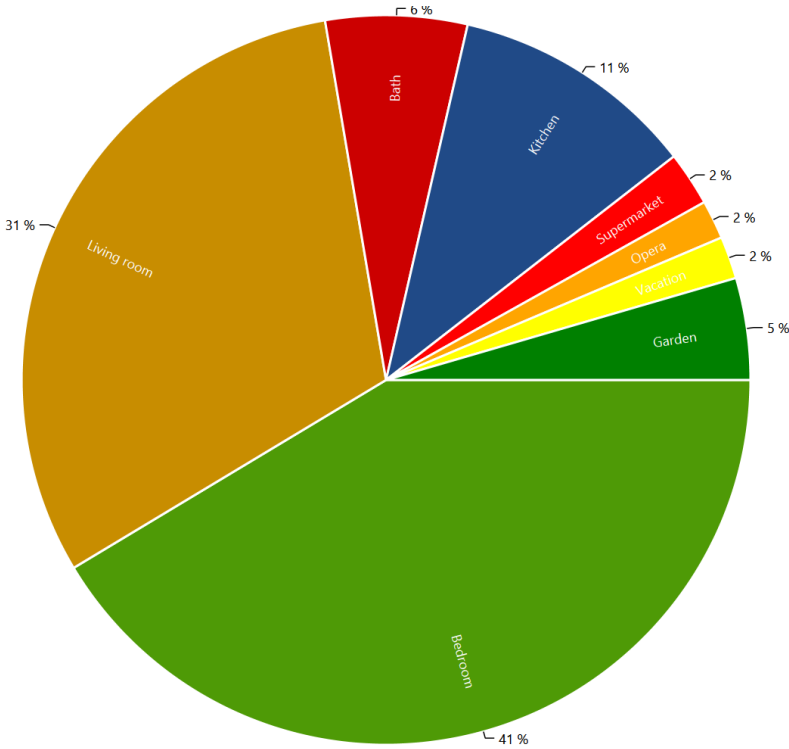


Location Distribution per Person

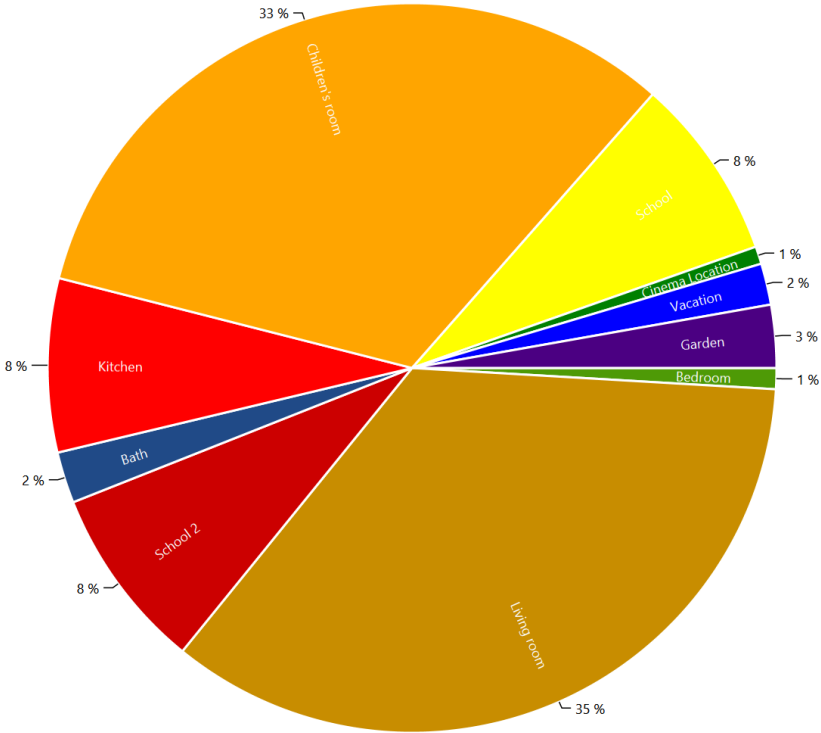
This is made from the files starting with: LocationStatistics

These charts show where the persons spend their time.

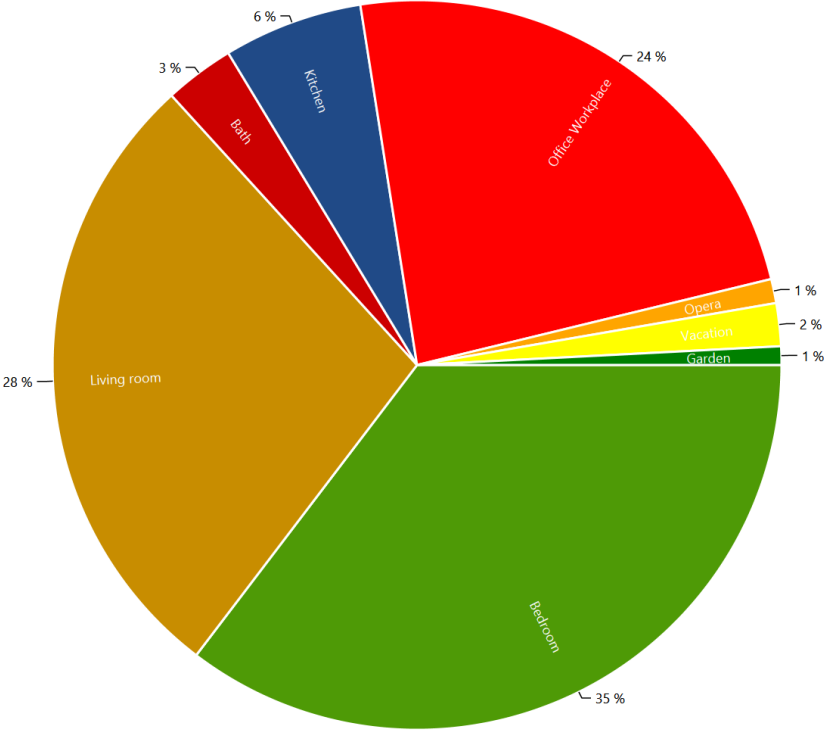
CHR44 Barbara (43 Female)



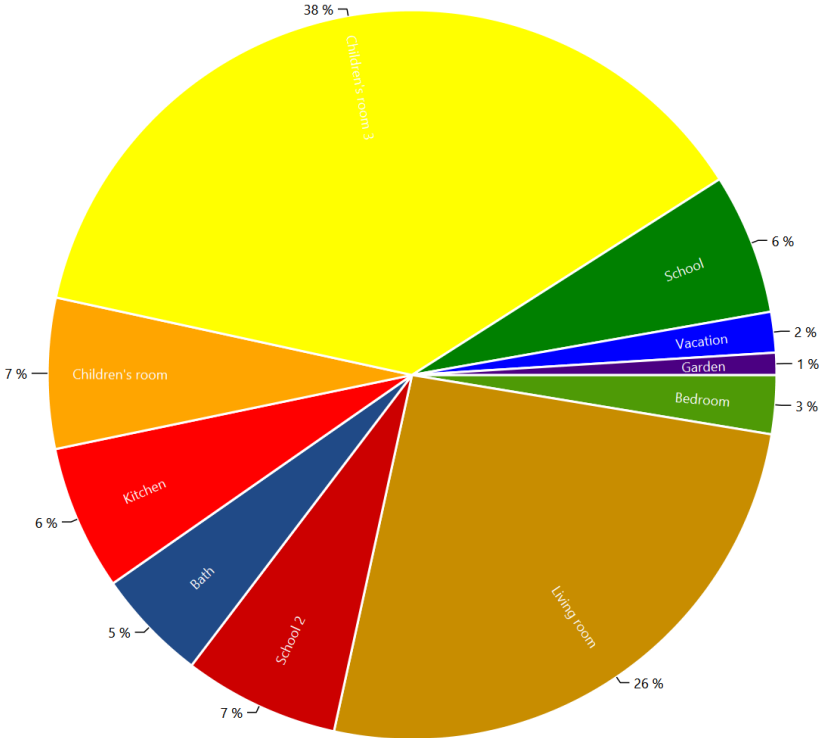
CHR44 Christopher (16 Male)



CHR44 Rainer (45 Male)



CHR44 Sandy (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

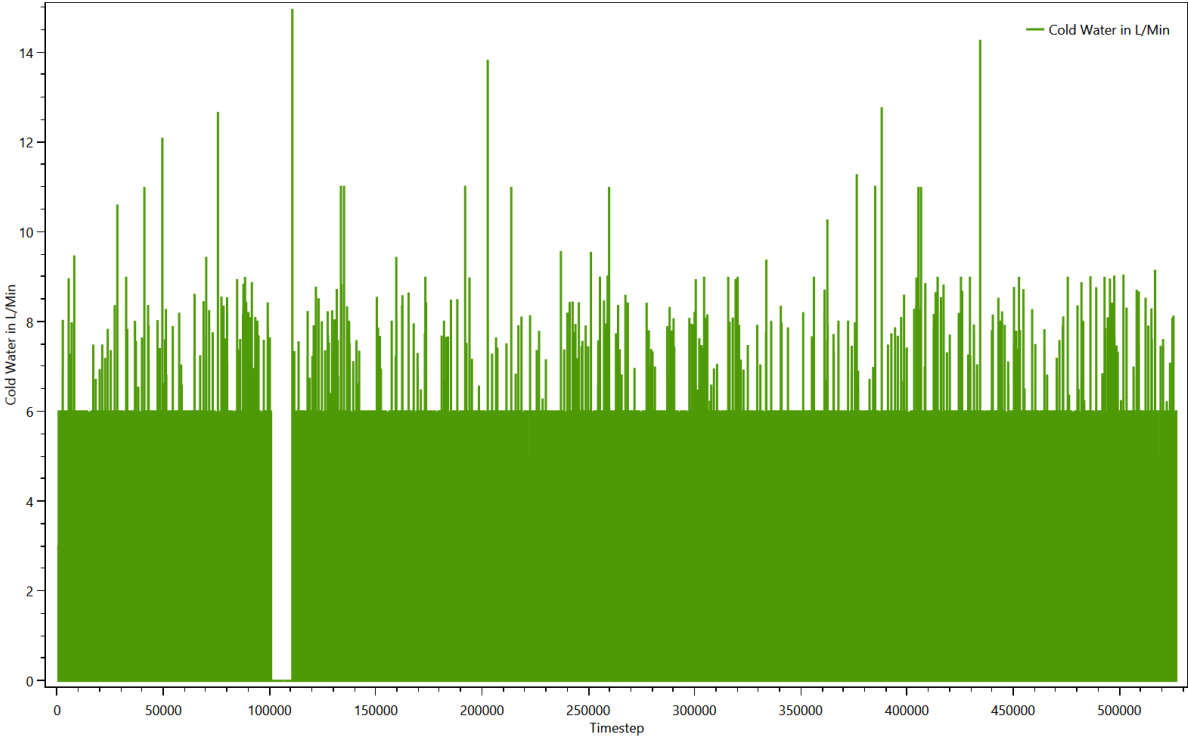
Time step;Calendertime;Person;Selected affordance;Affordance Category;Is Sick
0;01.01.2016 00:00;CHR44 Barbara (43/Female);sleep bed 02 (10 h);sleep;False;
0;01.01.2016 00:00;CHR44 Christopher (16/Male);sleep bed 03 (08 h) Child;sleep;False;
0;01.01.2016 00:00;CHR44 Rainer (45/Male);sleep bed 08 (08 h);sleep;False;
0;01.01.2016 00:00;CHR44 Sandy (14/Female);sleep bed 05 (10 h) Child;sleep;False;
243;01.01.2016 04:03;CHR44 Christopher (16/Male);use the laptop for Internet, Movie, Music, News (2 h);Active Entertainment (Computer, Internet etc);False;
362;01.01.2016 06:02;CHR44 Christopher (16/Male);go to grammar school ;school;False;
412;01.01.2016 06:52;CHR44 Rainer (45/Male);get ready in the morning (men);hygiene;False;
423;01.01.2016 07:03;CHR44 Rainer (45/Male);eat small breakfast (25min) interrupting subaff, no alarm;cooking;False;
447;01.01.2016 07:27;CHR44 Rainer (45/Male);watch a movie for 2 h with home cinema system;Passive Entertainment (TV etc.);False;
509;01.01.2016 08:29;CHR44 Sandy (14/Female);get ready in the morning (children);hygiene;False;
520;01.01.2016 08:40;CHR44 Sandy (14/Female);eat small breakfast (25min) interrupting subaff, no alarm;cooking;False;
537;01.01.2016 08:57;CHR44 Barbara (43/Female);run the dishwasher (triggered);cleaning;False;
547;01.01.2016 09:07;CHR44 Sandy (14/Female);use the laptop for Internet, Movie, Music, News (2 h);Active Entertainment (Computer, Internet etc);False;
554;01.01.2016 09:14;CHR44 Barbara (43/Female);eat small breakfast (25min) interrupting subaff, no alarm;cooking;False;
571;01.01.2016 09:31;CHR44 Rainer (45/Male);work at the office from 8:00 (9 h);work;False;
580;01.01.2016 09:40;CHR44 Barbara (43/Female);get ready in the morning (women);hygiene;False;
598;01.01.2016 09:58;CHR44 Barbara (43/Female);play board games (1 h);Offline Entertainment;False;
663;01.01.2016 11:03;CHR44 Barbara (43/Female);go to the toilet;hygiene;False;
665;01.01.2016 11:05;CHR44 Sandy (14/Female);watch a movie for 1 h 30 min with home cinema system;Passive Entertainment (TV etc.);False;

Sum Profiles

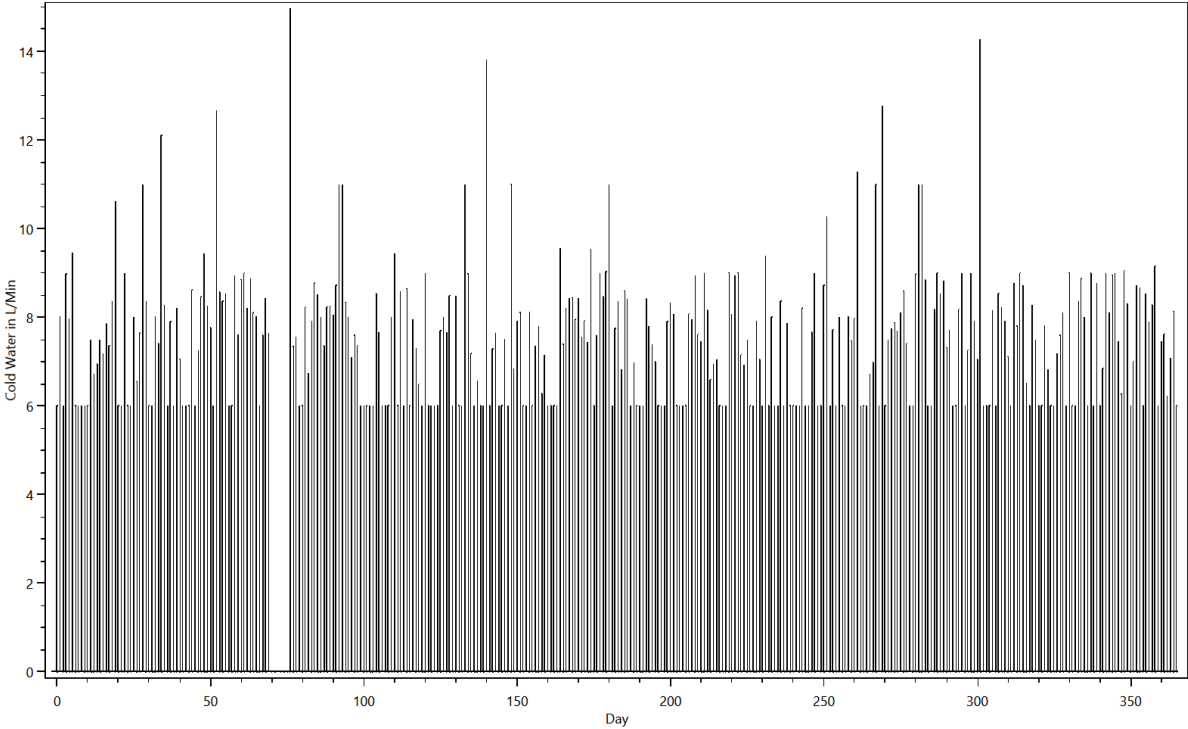
This is made from the files starting with: SumProfiles

This shows the energy use during the simulation.

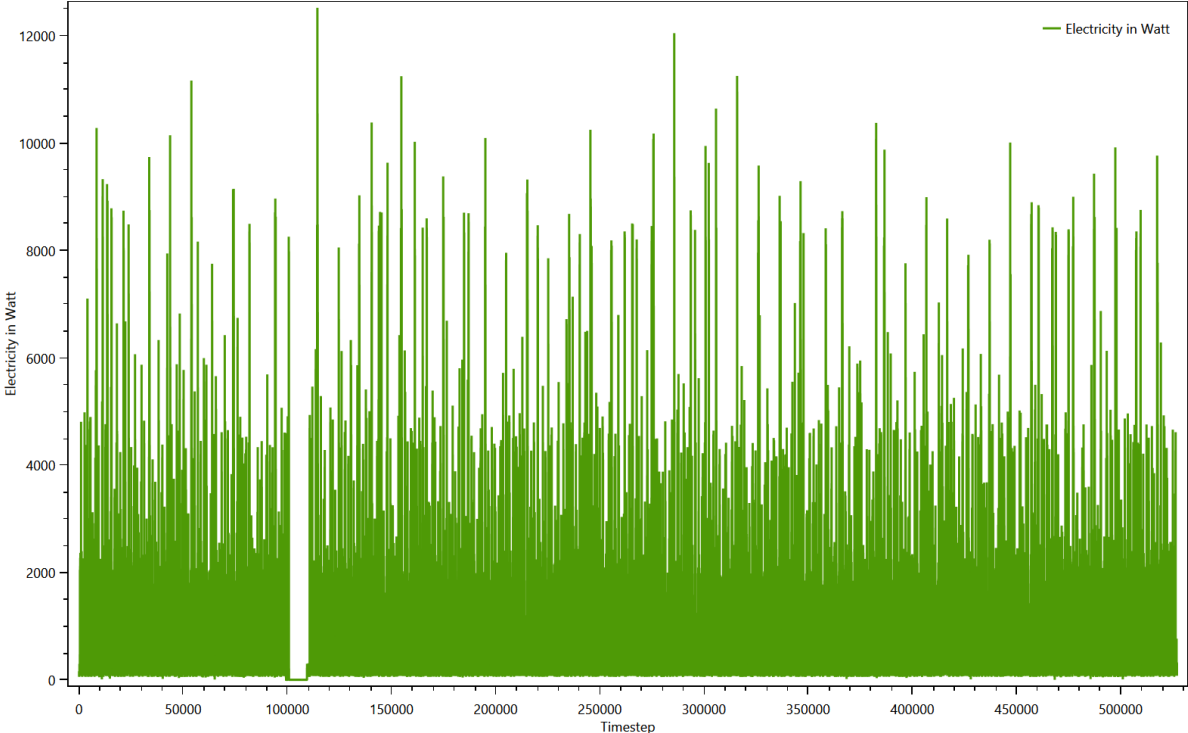
Summed up curve for Cold Water from SumProfiles.Cold Water.png



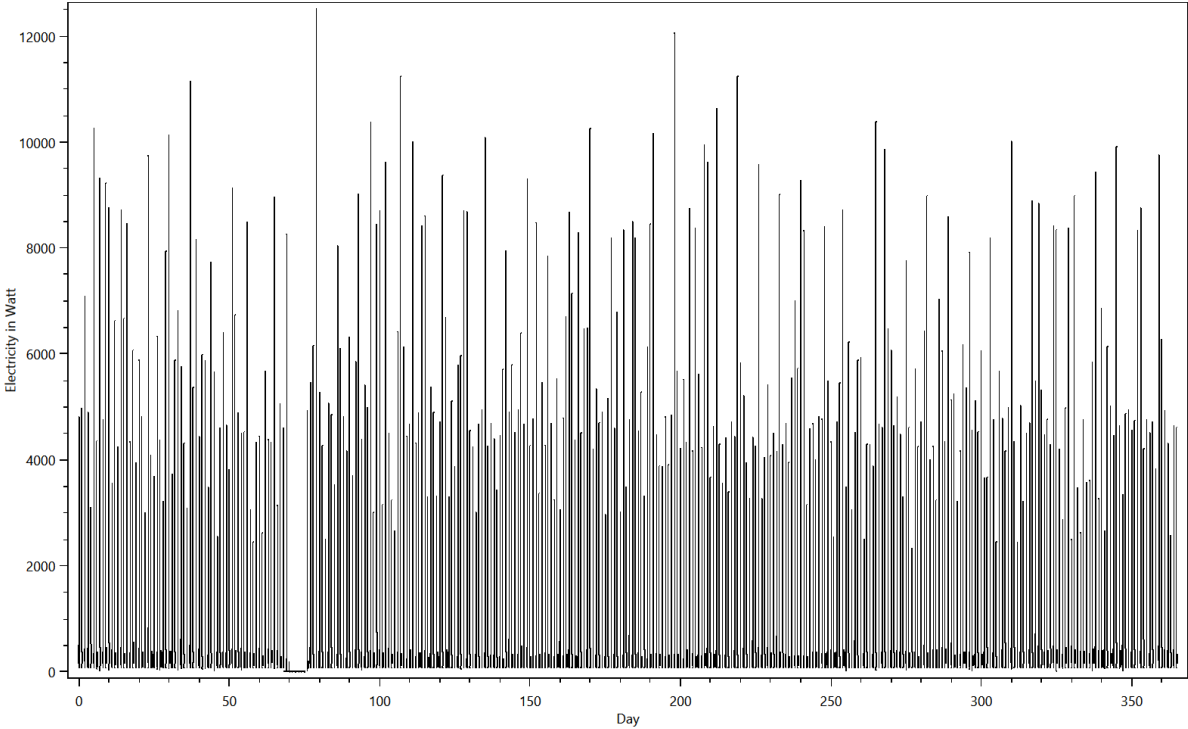
Summed up curve for Cold WaterMinMax from SumProfiles.Cold WaterMinMax.png



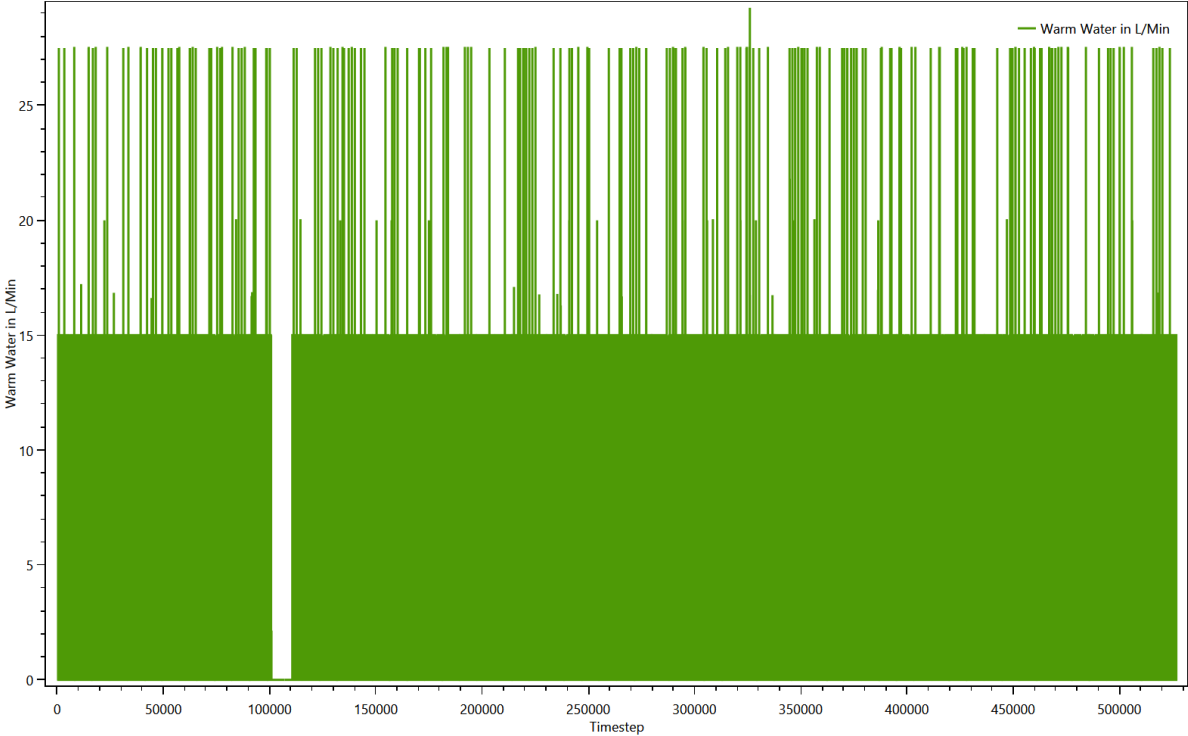
Summed up curve for Electricity from SumProfiles.Electricity.png



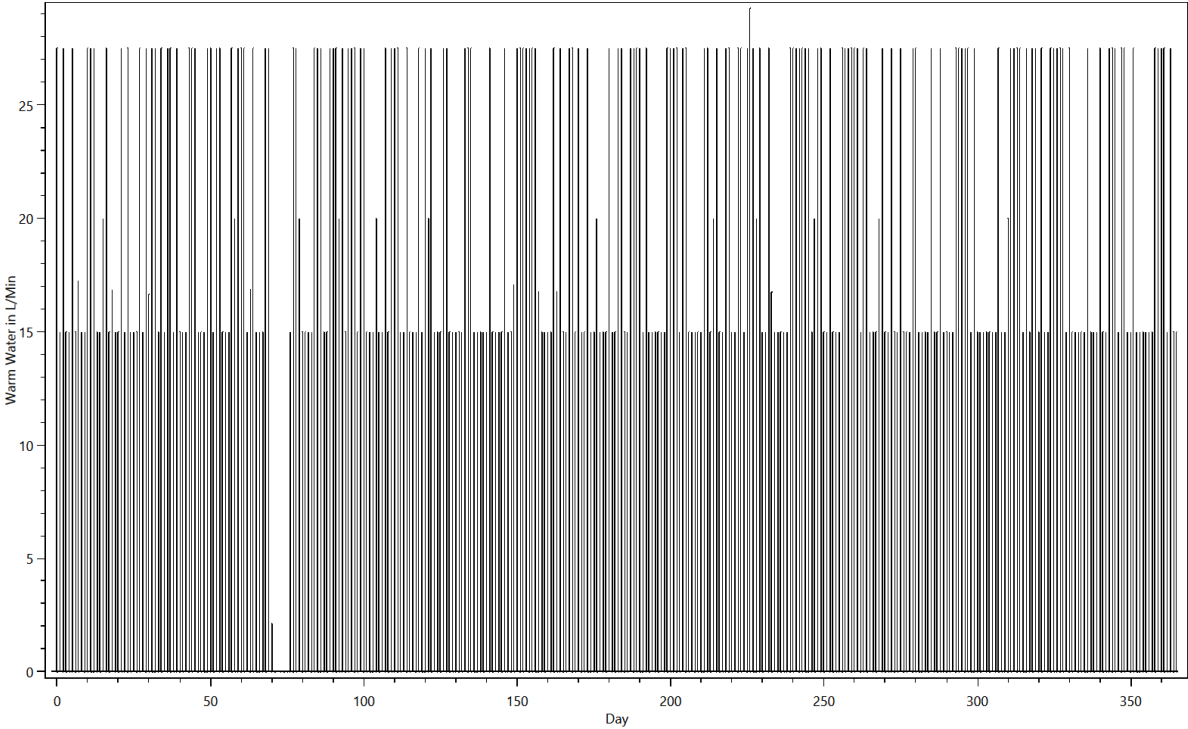
Summed up curve for ElectricityMinMax from SumProfiles.ElectricityMinMax..png



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.CHR44 Family with 2 children, 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];110

Bathroom Light (100W);Electricity;Bath - light [Synthetic for Light Device];1201

Bathroom Mirror Light 100W (Conventional);Electricity;Bath - light [Synthetic for Light Device];1201

Bathroom Sink 15 L/Min;Warm Water;0 h 01 min 100% [Synthetic];5044

Bathroom Sink 15 L/Min;Warm Water;0 h 01 min 50% [Synthetic];420

Bauknecht GTM 2511;Electricity;0 h 01 min 100% [Synthetic];282

Bauknecht GTM 2511;Electricity;05 h 0 min Fridge, 1h 100%, 4h 0% [Synthetic];1733

Beamer / Acer H7531D;Electricity;02 h 0 min 100% [Synthetic];25

Beamer / Acer H7531D;Electricity;Standby PC 01 h 0 min 4% [Synthetic];8616

Bed 2;None;10 h 0 min 100% [Synthetic];361

Bed 3 (Children);None;08 h 0 min 100% [Synthetic];360

Bed 5;None;10 h 0 min 100% [Synthetic];348

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

Bed 8;None;08 h 0 min 100% [Synthetic];359

Bedroom Light (20W);Electricity;Bedroom - light [Synthetic for Light Device];110

Board Games;None;01 h 0 min 100% [Synthetic];359

Book;None;01 h 0 min 100% [Synthetic];29

Bread Baking Machine Unold 6595;Electricity;Profile for Bread Baking Machine Unold 6595 Electricity [Measured 1 min Resolution (TUC)];96

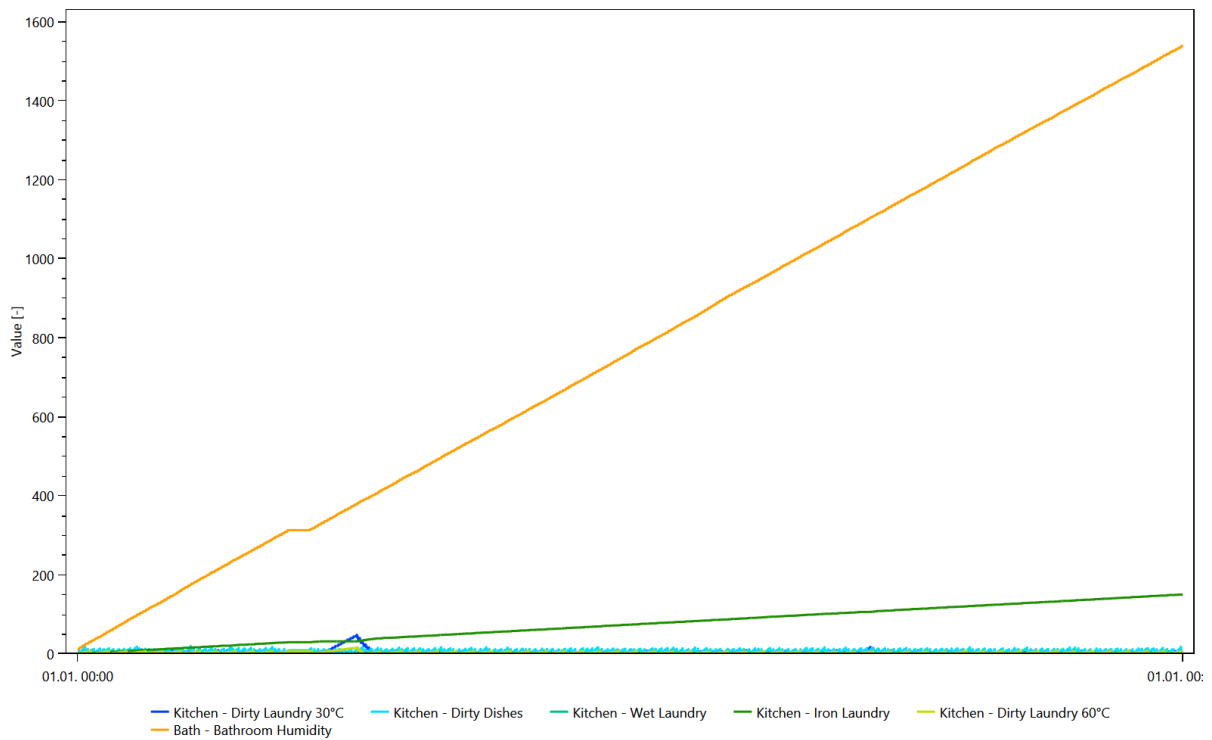
CD/DVD Player / Phillips HDR3810/31;Electricity;01 h 30 min 100% [Synthetic];542

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

