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**Research Report**

## FDZ data description: Socio-ecological panel - wave 5 (Green-SÖP)

RWI Projektberichte

**Provided in Cooperation with:**

RWI – Leibniz-Institut für Wirtschaftsforschung, Essen

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Datenbeschreibung

RWI – Leibniz-Institut für Wirtschaftsforschung

**FDZ Data description:  
Socio-Ecological Panel – wave 5 (Green-SÖP)**

**November 2020**

**Ole Cordes  
Larissa Klick  
Marielena Krieg  
Stephan Sommer**



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# Datenbeschreibung

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### 1. Introduction

Against the backdrop of global warming, many countries have implemented a large suite of environmental and energy policies. Germany has initiated the so-called “Energiewende” (Energy Transition), which involves a withdrawal from nuclear power, an increase in energy efficiency, and a rapid expansion of renewable energy sources. This endeavor necessarily induces major technological transformations as well as high costs, which private customers will bear to a large extent.

To shed light on the energy transition, the research project AKZEPTANZ conducted a survey to investigate the acceptance of environmental policies.<sup>1</sup> Specifically, the project gathered data on the current and prospective burden of energy costs on households and their preferences towards a sustainable and secure energy supply. Moreover, the project elicited attitudes towards fairness, climate change, environment, personal costs and benefits, as well as the respondents’ individual willingness to pay (WTP) and to accept (WTA) concerning the introduction of energy and environmental policies.

The survey within the framework of the project AKZEPTANZ was conducted between December 2015 and February 2016 and extends the Socio-Ecological Panel (Green-SÖP) by a fifth wave (for a description of the Socio-Ecological Panel wave 1 to 4, see Kussel and Larysch, 2017). By providing insights into the preferences and attitudes of households towards the systemic changes entailed by the energy transition in Germany, it fills a gap in research, which has not been addressed before.

This data description provides a brief overview of wave 5 of the Green-SÖP. The next section explains the process and methodology of data collection in more detail and relates wave 5 to the preceding waves. Section 3 describes the socio-economic features of the sample. Information on how the data can be accessed and a codebook with details on all variables are annexed.

### 2. Data Collection

The survey was designed by RWI – Leibniz Institute for Economic Research for the research project “The social acceptance of the energy transition (AKZEPTANZ)”. In cooperation with the Technical University Clausthal, University of Bremen, and Helmut-Schmidt University Hamburg it was conducted between June 2013 and November 2016 and was sponsored by the Federal Ministry of Education and Research (BMBF).

In contrast to the Socio-Ecological Panel waves 1 to 4, which were part of the project “Evaluating Climate Mitigation and Adaption Policies (Eval-MAP)”, wave 5 focusses primarily on the acceptance of the German energy transition. It involves questions on the preferences for renewable energies and power supply security, investigates the attitudes towards power grid expansion, and elicits preferences regarding fairness and the distribution of costs. Moreover, wave 5 includes data on electricity suppliers of participants, detailed gas and electricity billing data, and the technologies used for heating, cooking, and warm water heating.

The survey was conducted in collaboration with the research institute *forsa* between 23 December 2015 and 19 February 2016. Like for the previous Green-SÖP data, *forsa* employed its

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<sup>1</sup> For more information on the project, see <https://www.rwi-essen.de/forschung-und-beratung/umwelt-und-ressourcen/projekte/287/>, last accessed on 10/11/2020.

*omninet* panel, which is a representative sample of the German population aged 14 and above. The participants are usually familiar with surveys. In our survey, household heads, being the persons who are responsible for the financial decisions within their household, were questioned. Most households participated via an online questionnaire, while households without an internet connection received a device by *forsa* to take part via their television. By participating the households could gain bonus points, which can be traded for rewards. Of the 11,375 individuals who participated in the survey 9,917 completed it, while 1,458 aborted it at some point.

Green-SÖP wave 5 is well-suited to extend the preceding waves of the Social-Ecological Panel because all surveys were conducted within an overlapping sample, addressing similar topics. While waves 1 and 3 primarily study the personal experiences, attitudes towards climate change, and adaption behavior, waves 2 and 4 address the determinants of energy demand, the willingness to pay for different energy sources, energy cost, and opinions on energy political issues. The new wave 5 connects very well to the insights of the latter (see Table 1 for an overview of the topics covered in wave 5).

Table 1

### Overview of the variables

Green-SÖP, wave 5

Section	Content
A	General: Power supply and change of power supplier
V	Willingness to pay for security in power supply
N	Experiment on network expansion
G	Assessment of justice preferences
Z	Willingness to pay for different energy sources
K	Cost burden of private households (electricity and gas)
S	Socio-economic data

Source: Frondel et al. (2020b).

In addition, wave 5 can be merged with the “German Residential Energy Consumption Survey (RWI-GRECS)”,<sup>2</sup> which includes additional information on energy costs of private households. Moreover, some questions in part A of wave 5 have also been asked in the RWI-GRECS survey. Furthermore, it is intended to expand the Green-SÖP dataset by further waves with other connectible surveys on environmental attitude and energy consumption in Germany for years after 2016.

## 3. Socio-economic features of surveyed households

### 3.1 Distribution of households across federal states

Table 2 documents the share of participants across the federal states. The regional coverage in the sample is contrasted with the total share of German households in the respective state, which stems from the official population projection published in the last census in 2011 (Federal Statistical Office 2020a). The number of surveyed households is well balanced on the level of

<sup>2</sup> Available at: <https://en.rwi-essen.de/forschung-und-beratung/fdz-ruhr/datenangebot/mikrodaten/rwi-greecs>, last accessed on 10/10/2020.



federal states, offering a regionally composed overview on preferences towards the energy transition.

Table 2

**Distribution of households across federal states**

Green-SÖP, wave 5

Federal state	Number of households	Share in sample (%)	Share in Germany (%)
Baden-Württemberg	1,354	11.9	12.5
Bavaria	1,638	14.4	15.1
Berlin	534	4.7	4.9
Brandenburg	347	3.1	3.1
Bremen	85	0.8	0.9
Hamburg	284	2.5	2.5
Hesse	965	8.5	7.3
Lower Saxony	1,166	10.3	9.5
Mecklenburg-Vorpommern	184	1.6	2.1
North Rhine-Westphalia	2,562	22.5	21.4
Rhineland-Palatinate	554	4.9	4.7
Saarland	119	1.1	1.2
Saxony	508	4.5	5.5
Saxony-Anhalt	267	2.4	2.9
Schleswig-Holstein	492	4.3	3.5
Thuringia	316	2.8	2.8
Total	11,375	100.0	100.0

Source: Frondel et al. (2020b) (column 1 and 2), Destatis (2020) for population share in Germany (column 3).

### 3.2 Age

The age of the participating household heads ranged between 18 and 90 years. The highest share of respondents with 26.8% was the group with an age between 50 and 60 years (Figure 1). The mean age was 54.9 years.

### 3.3 Gender

Figure 2 shows the shares of female and male participants. The share of female household heads is 37.9% and the share of male household heads is 62.1%. This imbalance is likely caused by the fact that the survey targeted the household members who are mainly responsible for financial decisions in the household. In our sample, the household heads are predominately male.

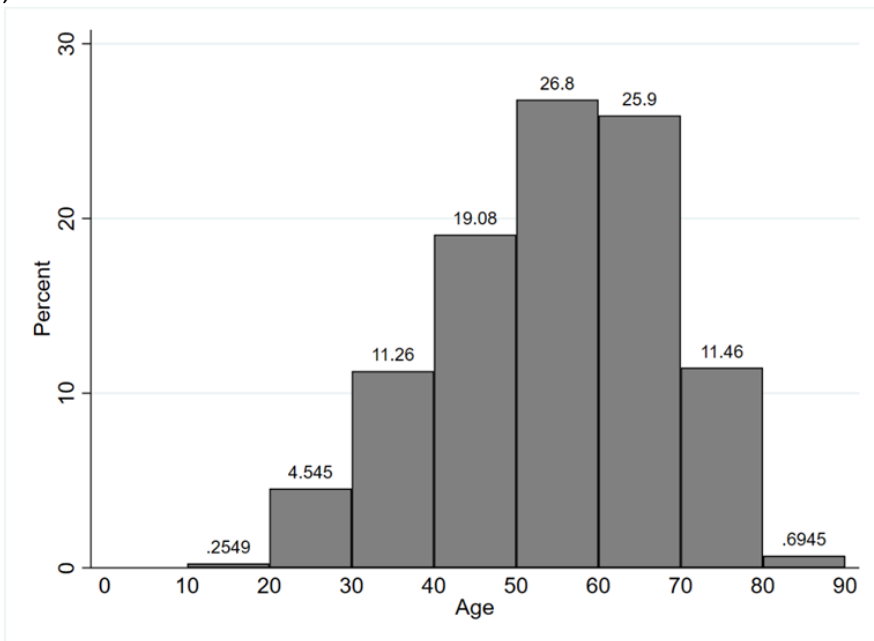
### 3.4 Household size

Figure 3 displays the shares of households by size. About a quarter of the sample are single person households and roughly 50% are two person-households. Three person and four person households account for 13.9% and 13.2%, respectively.

### 3.5 Income

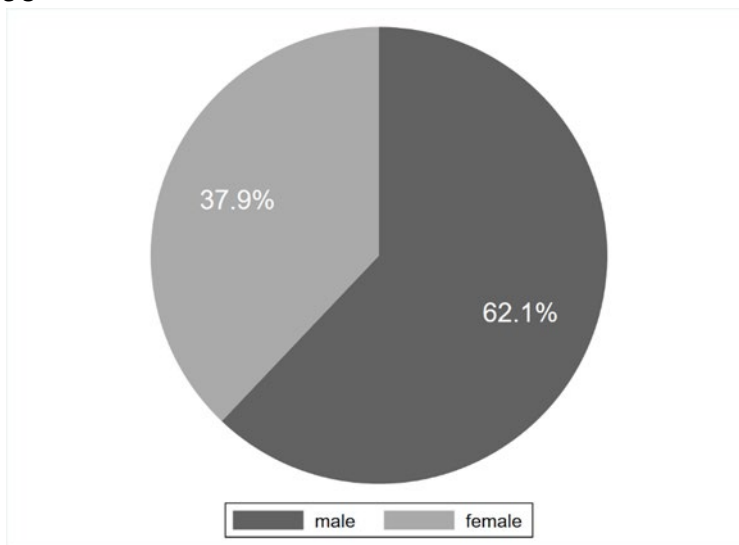
Household net incomes are measured on a scale with intervals of 500 Euro where the lowest interval contains incomes below 700 Euro. The scale is top coded at an income of 5700 Euro or more. As illustrated in Figure 4 the largest net income group is the group with an income between 2,200 and 2,700 Euro, which accounts for a share of 15.1%.

Figure 1  
**Age of respondents**  
 Green-SÖP, wave 5



Source: Frondel et al. (2020b)

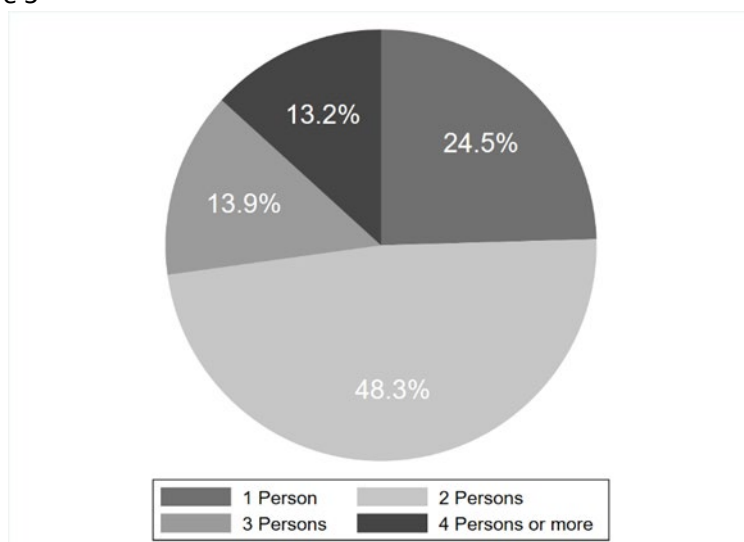
Figure 2  
**Shares of female and male household heads**  
 Green-SÖP, wave 5



Source: Frondel et al. (2020b)

Figure 3  
**Shares of household sizes**

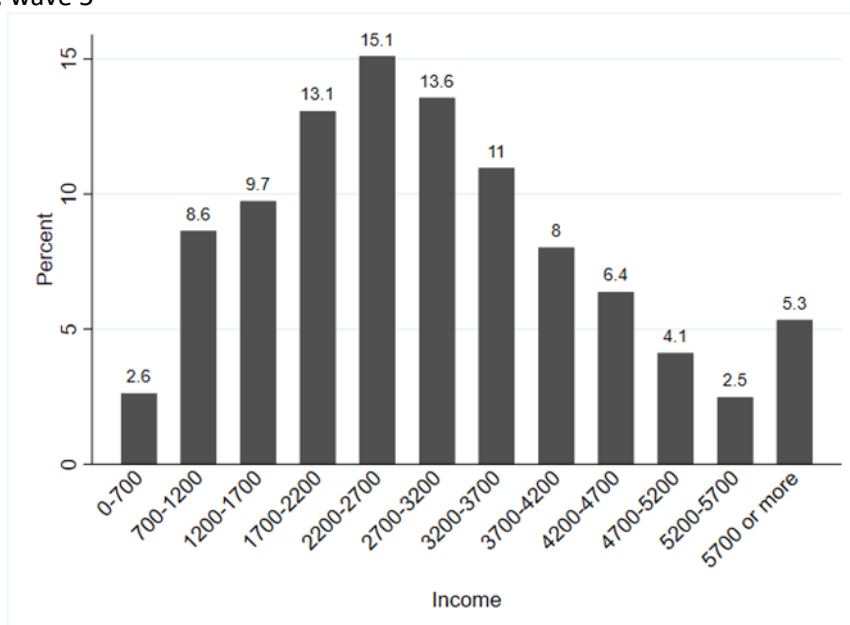
Green-SÖP, wave 5



Source: Frondel et al. (2020b)

Figure 4  
**Distribution of net income groups**

Green-SÖP, wave 5



Source: Frondel et al. (2020b)

#### 4. Application Examples

Various studies have been published using wave 5 of the Green-SÖP. For instance, using a single-binary-choice experiment, Andor et al. (2018) find that by abolishing exemptions for energy-intensive industries in the renewable energy levy (“EEG-Umlage”) households’ acceptance rates

for bearing an additional burden almost double. The experiment benefits from the large sample size of about 11,000 households the fifth wave of the SÖP offers.

Frondel et al. (2020a) address the so-called WTA-WTP gap in the case of power supply security. They find that when accounting for the respondents' perceived realism, the WTA-WTP ratio shrinks. This is an important finding for further research and resulting policy implications.

Further applications of the Social-Ecological-Panel and the fifth wave in particular can be found in the detailed descriptions of the preceding waves on the website of the Research Data Center Ruhr at the RWI (FDZ Ruhr)<sup>3</sup> and on the aforementioned AKZEPTANZ project website respectively.

## 5. Data Access

The dataset is available as Scientific Use File at the FDZ Ruhr, the research data center at RWI – Leibniz Institute for Economic Research. The data access is only granted for scientific, non-commercial studies and to affiliated researchers of scientific institutions. It requires a signed data use agreement that can be applied for on the FDZ Homepage. The data can be obtained as a Stata® dataset (.dta) file. The users are requested to cite the source correctly and to inform FDZ Ruhr about publications with the data.

When using wave 5 of the dataset Green-SÖP, please cite the wave individually as:

Frondel, Manuel; Sommer, Stephan; Andor, Mark; Vance, Colin; Technische Universität Clausthal et. al. (2020): Socio-Ecological Panel, 5th Survey Wave. Green-SÖP. Version: 1. RWI – Leibniz Institute for Economic Research. Dataset. <https://doi.org/10.7807/greensoep:en:v5>

Further, we recommend citing this data description.

## 6. References

Andor, M. A., M. Frondel und S. Sommer (2018), Equity and the Willingness to Pay for Green Electricity in Germany. *Nature Energy* 3 (10): 876-881. DOI: 10.1038/s41560-018-0233-x.

Federal Statistical Office (Destatis) (2020), Genesis-Online, Mikrozensus Ergebnis Nr. 12211-0113: Privathaushalte: Bundesländer, Jahre.

Frondel, M., S. Sommer und L. Tomberg (2020a), WTA-WTP Disparity: The Role of Perceived Realism of the Valuation Setting. *Land Economics* (forthcoming).

Frondel, Manuel; Sommer, Stephan; Andor, Mark; Vance, Colin; Technische Universität Clausthal et. al. (2020b): Socio-Ecological Panel, 5th Survey Wave. Green-SÖP. Version: 1. RWI – Leibniz Institute for Economic Research. Dataset. <https://doi.org/10.7807/greensoep:en:v5>

Kussel, G. und T. Larysch (2017), Sozial-Ökologisches Panel: Datenbeschreibung der Haushaltsbefragung. RWI Materialien 110. Essen: RWI.

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<sup>3</sup> Via <https://en.rwi-essen.de/forschung-und-beratung/fdz-ruhr/datenangebot/mikrodaten/green-soep>, last accessed on 10/11/2020



# Codebook\*

Socio-Ecological Panel - Wave 5 (Green-SÖP)

Marielena Krieg, Stephan Sommer

October 15, 2020

RWI — Leibniz Institute for Economic Research  
Essen, Germany

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# 1 Questionnaire

**Name of Variable:** status

**Description:** Status

**Descriptives:**

Min.: 1.00 Max.: 3.00  
1. Qu.: 2.00 3. Qu.: 2.00  
Mean: 1.93 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0	1 discontinued
Not asked(-2): 0	2 finished without interruption
	3 finished with interruption

---

**Name of Variable:** aaeigen

**Description:** A1 Present apartment: for rent/proprietorship

**Descriptives:**

Min.: 1.00 Max.: 4.00  
1. Qu.: 1.00 3. Qu.: 2.00  
Mean: 1.64 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0	1 rent
Not asked(-2): 0	2 property
	3 ceded for free
	4 do not know/not specified

---

**Name of Variable:** lp

**Description:** Variable lp

**Descriptives:**

Min.: 1.00 Max.: 124.00  
1. Qu.: 124.00 3. Qu.: 124.00  
Mean: 115.03 Median: 124.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aagebart**

**Description:** A3a kind of building

**Descriptives:**

Min.: 1.00 Max.: 8.00

1. Qu.: 1.00 3. Qu.: 3.00

Mean: 2.04 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

1 single-family/double-family house

2 row house/semi-detached

3 apartment building (up to 7 floors)

4 high-rise (8 or more floors)

5 reconstructed industrial building

6 weekend or summer house motorhome  
or similar

7 other kind of building

8 do not know

---

**Name of Variable: aawohnun**

**Description:** A3b amount of apartments in building

**Descriptives:**

Min.: 1.00 Max.: 4.00

1. Qu.: 1.00 3. Qu.: 3.00

Mean: 2.04 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

1 1 apartment

2 2 apartments

3 3 or more apartments

4 do not know

---

**Name of Variable: aabaujh**

**Description:** A4 year of construction of building

**Descriptives:**

Min.: 1.00 Max.: 13.00  
1. Qu.: 1.00 3. Qu.: 3.00  
Mean: 2.48 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0	1 before 1978
Not asked(-2): 0	2 1978-1983
	3 1984-1994
	4 1995-2001
	5 2002-2003
	6 2004-2007
	7 2008-2010
	8 2011
	9 2012
	10 2013
	11 2014
	12 2015
	13 do not know

---

**Name of Variable: staoe**

**Description:** A8 green power supplier/rate

**Descriptives:**

Min.: 1.00 Max.: 4.00  
1. Qu.: 2.00 3. Qu.: 3.00  
Mean: 2.66 Median: 3.00

**Missings and Encoding:**

No Answer (-1): 0	1 Yes, green power supplier
Not asked(-2): 0	2 yes, green power rate
	3 no
	4 do not know



---

**Name of Variable: aaeeanl**

**Description:** A10a owner of renewable energy system

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: 2.00 3. Qu.: 2.00  
Mean: 1.75 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 429 2 no  
3 do not know

---

**Name of Variable: aasolar**

**Description:** A10b1 type of renewable energy system: solar heat system

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.71 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no solar heat system  
Not asked(-2): 10037 1 solar heat system

---

**Name of Variable: aaphoto**

**Description:** A10b2 type of renewable energy system: photovoltaic system

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.70 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no photovoltaic system
Not asked(-2): 10037	1 photovoltaic system

---

**Name of Variable: aawp**

**Description:** A10b3 type of renewable energy system: heat pump

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.75	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no heat pump
Not asked(-2): 10037	1 heat pump

---

**Name of Variable: aaeasons**

**Description:** A10b4 type of renewable energy system: other

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.76	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no other
Not asked(-2): 10037	1 other

---

**Name of Variable: aaeewn**

**Description:** A10b5 type of renewable energy system: not specified

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.76    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    0 specified  
Not asked(-2): 10037                1 not specified

---

**Name of Variable: strafwta**

**Description:** V1 WTA for monthly compensation for yearly 4h electricity cut-off

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.09    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    1 yes  
Not asked(-2): 8697                2 no  
   3 do not know

---

**Name of Variable: strafwtp**

**Description:** V2 WTP of monthly fee to avoid yearly 4h electricity cut-off

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.05    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    1 yes  
Not asked(-2): 8635                2 no  
   3 do not know

---

**Name of Variable: strafgwta**

**Description:** V3 general WTA of households of monthly compensation for 4h electricity cut-off

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.04 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 8582 2 no  
3 do not know

---

**Name of Variable: strafgwtp**

**Description:** V4 general monthly WTP of households to avoid 4h electricity cut-off

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.10 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 8664 2 no  
3 do not know

---

**Name of Variable: strafwtata**

**Description:** V5 certainty about indicated WTA of offer V1

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.85 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0	1 very sure
Not asked(-2): 10881	2 not so sure
	3 do not know

---

**Name of Variable: strafgwtata**

**Description:** V5b certainty about WTA V3 of avg German household

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.87	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 very sure
Not asked(-2): 10958	2 not so sure
	3 do not know

---

**Name of Variable: strafwtpta**

**Description:** V6 certainty about indicated WTP in V2

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.87	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 very sure
Not asked(-2): 10957	2 not so sure
	3 do not know

---

**Name of Variable: strafgwtpta**

**Description:** V6b certainty about WTP V4 of avg German household

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.80 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 very sure  
Not asked(-2): 10722 2 not so sure  
3 do not know

---

**Name of Variable: strafang**

**Description:** V7 probability that electricity supplier will make offer

**Descriptives:**

Min.: -2.00 Max.: 6.00  
1. Qu.: 1.00 3. Qu.: 2.00  
Mean: 1.56 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0 1 1=unlikely  
Not asked(-2): 462 2 2  
3 3  
4 4  
5 5=very likely  
6 do not know

---

**Name of Variable: steverss**

**Description:** V8 probability that results of survey will influence policy

**Descriptives:**

Min.: -2.00 Max.: 6.00  
1. Qu.: 1.00 3. Qu.: 3.00  
Mean: 2.43 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0	1 1=unlikely
Not asked(-2): 466	2 2
	3 3
	4 4
	5 5=very likely
	6 do not know

---

**Name of Variable: strafgakz**

**Description:** V9 general WTA yearly power cut-offs for compensation

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	2.00
Mean:	-0.47	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 6823	2 no
	3 do not know

---

**Name of Variable: strafgbzz**

**Description:** V10 general WTP of monthly fee to prevent yearly power cut-offs

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	2.00
Mean:	-0.48	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 7002	2 no
	3 do not know

---

**Name of Variable: stausf**

**Description:** V11 experienced power blackouts in Germany in last 5 years

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 1.35    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0                    1 yes  
Not asked(-2): 477                   2 no  
   3 do not know

---

**Name of Variable: stzhivs**

**Description:** V14 satisfaction with current level of security of energy supply

**Descriptives:**

Min.: -2.00    Max.: 8.00  
1. Qu.: 2.00    3. Qu.: 7.00  
Mean: 4.45    Median: 6.00

**Missings and Encoding:**

No Answer (-1): 0                    1 1 = very unsatisfied  
Not asked(-2): 485                   2 2  
   3 3  
   4 4  
   5 5  
   6 6  
   7 7 = very satisfied  
   8 do not know

---

**Name of Variable: stausfgz**

**Description:** V15 general perception of number of blackouts

**Descriptives:**

Min.: -2.00    Max.: 5.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 1.40    Median: 1.00



**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 488

1 very low

2 rather low

3 rather high

4 very high

5 do not know

---

**Name of Variable: staevs**

**Description:** V16 expected effect of expansion of renewable energy on security of supply

**Descriptives:**

Min.: -2.00 Max.: 7.00

1. Qu.: 3.00 3. Qu.: 4.00

Mean: 3.47 Median: 3.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 496

1 very negative effect

2 rather negative effect

3 equally strong positive and negative effects

4 rather positive effects

5 very positive effects

6 no effect

7 do not know

---

**Name of Variable: strestr**

**Description:** N1a vote in referendum on grid expansion

**Descriptives:**

Min.: -2.00 Max.: 4.00

1. Qu.: -2.00 3. Qu.: 1.00

Mean: -0.78 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 7738

1 I would vote in favor of new power line

2 I would vote against new power line

3 I would abstain

4 I do not know

---

**Name of Variable: strekost**

**Description:** N1b vote in referendum on compensated grid expansion

**Descriptives:**

Min.: -2.00 Max.: 4.00

1. Qu.: -2.00 3. Qu.: 1.00

Mean: -0.80 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 7795

1 I would vote in favor of new power line

2 I would vote against new power line

3 I would abstain

4 I do not know

---

**Name of Variable: stregkost**

**Description:** N1c vote in referendum on community-compensated grid expansion

**Descriptives:**

Min.: -2.00 Max.: 4.00

1. Qu.: -2.00 3. Qu.: 1.00

Mean: -0.80 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 7727

1 I would vote in favor of new power line

2 I would vote against new power line

3 I would abstain

4 I do not know

---

**Name of Variable: stretat**

**Description:** N2 certainty about vote in actual referendum

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	1.00	3. Qu.:	1.00
Mean:	0.45	Median:	1.00

**Missings and Encoding:**

No Answer (-1):	0	1 very sure
Not asked(-2):	2796	2 not so sure
		3 do not know

---

**Name of Variable: strekozn**

**Description:** N3.1 because the compensation too low

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.80	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	10268	1 yes

---

**Name of Variable: strekonk**

**Description:** N3.2 because the compensation suggest negative consequences of construction

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.77	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 10268	1 yes

---

**Name of Variable: strekolss**

**Description:** N3.3 because I do not want the landscape to be harmed

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.76	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 10268	1 yes

---

**Name of Variable: streksnons**

**Description:** N3.4 other reasons

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.77	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 10268	1 yes

---

**Name of Variable: strekwn**

**Description:** N3.5 unknow

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.80 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 10268 1 yes

---

**Name of Variable: strekkn**

**Description:** N4\_1 because I do not have personal utility from monetary compensation

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.80 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 10340 1 yes

---

**Name of Variable: stregkozn**

**Description:** N4\_2 because the compensation too low

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.81 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 10340 1 yes

---

**Name of Variable: stregkonk**

**Description:** N4\_3 because the compensation suggests negative consequences of construction

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.78	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	10340	1 yes

---

**Name of Variable: stregkolss**

**Description:** N4\_4 because I do not want the landscape to be harmed

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.77	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	10340	1 yes

---

**Name of Variable: stregksons**

**Description:** N4\_5 other reasons

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.78	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 10340	1 yes

---

**Name of Variable: strefkwn**

**Description:** N4\_6 unknow

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.82	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 10340	1 yes

---

**Name of Variable: strfinab**

**Description:** G1 preferred financing model for expansion of renewable energy

**Descriptives:**

Min.:	-2.00	Max.:	7.00
1. Qu.:	1.00	3. Qu.:	4.00
Mean:	2.72	Median:	2.00

**Missings and Encoding:**

No Answer (-1): 0	1 Current EEG, distrib. over all consumers
Not asked(-2): 554	2 Current EEG, distr. over all consumers including compensations for low-inc. hh
	3 Using the income-based wage, income and commercial taxes
	4 Lump-sum charge, independet of income and usage
	5 Renewable energies should neither be funded publicly nor otherwise
	6 do not know
	7 not specified

---

**Name of Variable: strekschu**

**Description:** G3a protection of lower incomes from additional burden of energy transition

**Descriptives:**

Min.: -2.00    Max.: 6.00  
1. Qu.: 1.00    3. Qu.: 3.00  
Mean: 2.12    Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0	1 fully agree
Not asked(-2): 611	2 rather agree
	3 agree less
	4 do not agree
	5 do not know
	6 not specified

---

**Name of Variable: strfoehh**

**Description:** G4 government aid for reduction of energy-usage of private households

**Descriptives:**

Min.: -2.00    Max.: 4.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 1.27    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 628	2 no
	3 do not know
	4 not specified

---

**Name of Variable: strfoewho**

**Description:** G5 who should benefit from government aid for private energy-saving investments



**Descriptives:**

Min.: -2.00    Max.: 6.00  
 1. Qu.: 1.00    3. Qu.: 2.00  
 Mean: 1.33    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0                    1 all households  
 Not asked(-2): 640                2 low-income households only  
     3 only households that spend a large  
     part of their income on energy  
     4 others  
     5 do not know  
     6 not specified

---

**Name of Variable: strfoefin**

**Description:** G6 funding of government aid

**Descriptives:**

Min.: -2.00    Max.: 6.00  
 1. Qu.: 1.00    3. Qu.: 4.00  
 Mean: 2.41    Median: 3.00

**Missings and Encoding:**

No Answer (-1): 0                    1 by all households  
 Not asked(-2): 643                2 by higher charges for high-income  
     households  
     3 by higher fees on energy usage  
     4 differently  
     5 do not know  
     6 not specified

---

**Name of Variable: strfoemas**

**Description:** G7 measures pushing private energy-usage investments

**Descriptives:**

Min.: -2.00    Max.: 8.00  
 1. Qu.: 1.00    3. Qu.: 4.00  
 Mean: 3.05    Median: 3.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 651

1 lump-sum payment

2 credits at reduced interest

3 higher enregy taxes

4 information/advisory offers

5 financial penalties when exceeding  
certain energy-usage benchmarks

6 other

7 do not know

8 not specified

---

**Name of Variable: strfoeges**

**Description:** G8a approval of laws for improval of energy-efficiency

**Descriptives:**

Min.: -2.00 Max.: 4.00

1. Qu.: 1.00 3. Qu.: 2.00

Mean: 1.63 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 657

1 I welcome such laws

2 I refuse such laws

3 Do not know

4 Not specified

---

**Name of Variable: strgesse**

**Description:** G8b1 because they lower private energy-usage

**Descriptives:**

Min.: -2.00 Max.: 1.00

1. Qu.: -2.00 3. Qu.: 0.00

Mean: -1.23 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 8365

0 no

1 yes

---

**Name of Variable: strgepro**

**Description:** G8b2 because I benefit from increasing energy-efficiency regulations

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.45	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	8365	1 yes

---

**Name of Variable: strgeag**

**Description:** G8b3 for other reasons

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.44	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	8365	1 yes

---

**Name of Variable: strgewn**

**Description:** G8b4 unknow

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.47	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 8365	1 yes

---

**Name of Variable: strgeka**

**Description:** G8b5 not specified

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.47	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 8365	1 yes

---

**Name of Variable: strgginv**

**Description:** G8c1 because I want to decide myself over investments in my household

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	1.00
Mean:	-0.48	Median:	0.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 4901	1 yes

---

**Name of Variable: strgggh**

**Description:** G8c2 because general regulations do not live up to different circumstances

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: 1.00  
Mean: -0.44 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 4901 1 yes

---

**Name of Variable: strggag**

**Description:** G8c3 other reasons

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: 0.00  
Mean: -0.82 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 4901 1 yes

---

**Name of Variable: strggwn**

**Description:** G8c4 unknow

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: 0.00  
Mean: -0.86 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 4901 1 yes

---

**Name of Variable:** strggka

**Description:** G8c5 not specified

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: 0.00  
Mean: -0.86 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no  
Not asked(-2): 4901 1 yes

---

**Name of Variable:** steegz1

**Description:** Z1 WTP higher EEG reallocation charge

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: 1.00  
Mean: -0.86 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 7763 2 no  
3 do not know

---

**Name of Variable:** steegz2

**Description:** Z2 WTP higher EEG reallocation charge with benefits for industry

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: 1.00  
Mean: -0.85 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 7920	2 no
	3 do not know

---

**Name of Variable: steegz3**

**Description:** Z3 WTP higher EEG reallocation charge abolishing benefits for industry

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	1.00
Mean:	-0.94	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 7871	2 no
	3 do not know

---

**Name of Variable: steegzs**

**Description:** Z4 certainty about above-stated WTP

**Descriptives:**

Min.:	-2.00	Max.:	3.00
1. Qu.:	-2.00	3. Qu.:	1.00
Mean:	-0.65	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 very sure
Not asked(-2): 6526	2 not so sure
	3 do not know

---

**Name of Variable: steegzwk**

**Description:** Z5a will EEG reallocation charge rise

**Descriptives:**

Min.: -2.00 Max.: 6.00  
 1. Qu.: 2.00 3. Qu.: 5.00  
 Mean: 3.23 Median: 4.00

**Missings and Encoding:**

No Answer (-1): 0 1 1=unlikely  
 Not asked(-2): 813 2 2  
 3 3  
 4 4  
 5 5=very likely  
 6 do not know

---

**Name of Variable: stueeeg**

**Description:** Z5b questionnaire has influence on level of EEG levy

**Descriptives:**

Min.: -2.00 Max.: 6.00  
 1. Qu.: 1.00 3. Qu.: 3.00  
 Mean: 2.30 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0 1 1=unlikely  
 Not asked(-2): 820 2 2  
 3 3  
 4 4  
 5 5=very likely  
 6 do not know

---

**Name of Variable: steezb**

**Description:** Z6 general WTP for electricity from renewables

**Descriptives:**

Min.: -2.00 Max.: 4.00  
 1. Qu.: 1.00 3. Qu.: 3.00  
 Mean: 1.88 Median: 3.00



**Missings and Encoding:**

No Answer (-1): 0	1 more
Not asked(-2): 827	2 less
	3 same
	4 do not know

---

**Name of Variable: steegzmub**

**Description:** Z7a opinion on EEG reallocation charge benefits for energy-intensive companies

**Descriptives:**

Min.:	-2.00	Max.:	4.00
1. Qu.:	2.00	3. Qu.:	2.00
Mean:	1.67	Median:	2.00

**Missings and Encoding:**

No Answer (-1): 0	1 right
Not asked(-2): 834	2 wrong
	3 do not know
	4 not specified

---

**Name of Variable: steegzwh**

**Description:** Z7b level of EEG allocation charge

**Descriptives:**

Min.:	-2.00	Max.:	5.00
1. Qu.:	1.00	3. Qu.:	3.00
Mean:	2.19	Median:	3.00

**Missings and Encoding:**

No Answer (-1): 0	1 too high
Not asked(-2): 839	2 too low
	3 just right
	4 do not know
	5 not specified

---

**Name of Variable: sttvnb**

**Description:** Z8 turning TV off when not in use

**Descriptives:**

Min.:	-2.00	Max.:	7.00
1. Qu.:	1.00	3. Qu.:	3.00
Mean:	2.02	Median:	2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 847

- 1 I turn it off using the power switch
- 2 I disconect teh device from the mains
- 3 I turn it off using the remote control(Stand-by-mode)
- 4 My TV does not have a stand-by-mode
- 5 My TV does not have a power switch
- 6 I do not have a TV
- 7 Do not know

---

**Name of Variable: stpcnb**

**Description:** Z9 turning off computer/laptop when not in use

**Descriptives:**

Min.:	-2.00	Max.:	8.00
1. Qu.:	3.00	3. Qu.:	4.00
Mean:	2.99	Median:	3.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 850

1 I usually leave it on

2 Device switches automatically to stand-by-mode

3 I turn the device off

4 I disconnect the device from the mains

5 My device does not have a stand-by-mode

6 My device does not have a power switch

7 I do not have a stationary PC, Laptop, Notebook, Netbook etc

8 I do not know

---

**Name of Variable: stgsoek**

**Description:** Z10 usage of dishwasher in eco-mode

**Descriptives:**

Min.: -2.00 Max.: 5.00

1. Qu.: 1.00 3. Qu.: 2.00

Mean: 1.70 Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 854

1 Yes, always

2 Yes, sometimes

3 No, never

4 I do not have a dishwasher

5 Do not know

---

**Name of Variable: stkuehk**

**Description:** Z11 attributes of new fridge

**Descriptives:**

Min.: -2.00 Max.: 8.00

1. Qu.: 1.00 3. Qu.: 3.00

Mean: 1.88 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 856

- 1 Energy efficiency category
  - 2 Annual energy consumption
  - 3 Purchasing price
  - 4 Storage volume
  - 5 Annual electricity costs
  - 6 Customer ratings
  - 7 Something else
  - 8 Do not know
- 

**Name of Variable: paenbs**

**Description:** Z12 energy-consciousness

**Descriptives:**

Min.: -2.00    Max.: 8.00

1. Qu.: 4.00    3. Qu.: 6.00

Mean: 4.50    Median: 5.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 862

- 1 1=not at all energy-conscious
  - 2 2
  - 3 3
  - 4 4
  - 5 5
  - 6 6
  - 7 7=very energy-conscious
  - 8 do not know
- 

**Name of Variable: aahhart**

**Description:** KS1a main heating system

**Descriptives:**

Min.: -2.00    Max.: 6.00

1. Qu.: 1.00    3. Qu.: 2.00

Mean: 1.30    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 874

- 1 Central or district heating
  - 2 Gas heating
  - 3 Furnace heating (single furnaces burning oil, coal, wood, gas)
  - 4 Electrical night storage heating
  - 5 Heat pump
  - 6 Do not know
- 

**Name of Variable: aazhart**

**Description:** KS1b kind of central heating

**Descriptives:**

Min.: -2.00 Max.: 6.00

1. Qu.: -2.00 3. Qu.: 2.00

Mean: 0.62 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 4210

- 1 Oil heating
  - 2 Gas heating
  - 3 District heating
  - 4 Coal heating
  - 5 Wood-fired heating
  - 6 Do not know
- 

**Name of Variable: aaofenoi**

**Description:** KS1c1 fuel oil furnace

**Descriptives:**

Min.: -2.00 Max.: 1.00

1. Qu.: -2.00 3. Qu.: -2.00

Mean: -1.84 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 10640

- 0 no fuel oil
- 1 fuel oil

---

**Name of Variable: aaofenko**

**Description:** KS1c2 lignite briquettes/black coal furnace

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.87 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no lignite briquettes/black coal  
Not asked(-2): 10640 1 lignite briquettes/black coal

---

**Name of Variable: aaofenho**

**Description:** KS1c3 wood-based furnace

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.84 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 no wood  
Not asked(-2): 10640 1 wood

---

**Name of Variable: aaofeneg**

**Description:** KS1c4 natural gas furnace

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.86 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no natural gas
Not asked(-2): 10640	1 natural gas

---

**Name of Variable: aaofenlpg**

**Description:** KS1c5 liquefied petroleum gas

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.87	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no lpg
Not asked(-2): 10640	1 liquefied petroleum gas

---

**Name of Variable: aaofensons**

**Description:** KS1c6 other fuel

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.87	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 no other fuel
Not asked(-2): 10640	1 other fuel

---

**Name of Variable: aaofenwn**

**Description:** KS1c7 unknow

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.87 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 0 not unknown  
Not asked(-2): 10640 1 unknown

---

**Name of Variable: aazhkam**

**Description:** KS1d.1 additional open fireplace

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: 0.00 3. Qu.: 0.00  
Mean: -0.17 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no open fireplace  
Not asked(-2): 1224 1 open fireplace

---

**Name of Variable: aazhofen**

**Description:** KS1d.2 additional single furnaces

**Descriptives:**

Min.: -2.00 Max.: 1.00  
1. Qu.: 0.00 3. Qu.: 0.00  
Mean: -0.01 Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0 0 no additional single furnaces  
Not asked(-2): 1224 1 additional single furnaces



---

**Name of Variable: aazhelhg**

**Description:** KS1d.3 additional electric heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	-0.14	Median:	0.00

**Missings and Encoding:**

No Answer (-1):	0	0 no additional electric heating
Not asked(-2):	1224	1 additional electric heating

---

**Name of Variable: aazhsons**

**Description:** KS1d.4 other additional heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	-0.20	Median:	0.00

**Missings and Encoding:**

No Answer (-1):	0	0 no other additional heating
Not asked(-2):	1224	1 other additional heating

---

**Name of Variable: aazhkein**

**Description:** KS1d.5 no use of other additional heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	1.00
Mean:	0.37	Median:	1.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 1224	1 yes

---

**Name of Variable: aazhofwn**

**Description:** KS1d\_6 unknown

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	-0.21	Median:	0.00

**Missings and Encoding:**

No Answer (-1): 0	0 no
Not asked(-2): 1224	1 yes

---

**Name of Variable: aazhholz**

**Description:** KS2\_1 wood-based additional heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.14	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	0 not wood-based
Not asked(-2): 7884	1 wood-based

---

**Name of Variable: aazhkohl**

**Description:** KS2\_2 coal-based additional heating

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: -2.00    3. Qu.: 0.00  
Mean: -1.37    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    0 not coal-based  
Not asked(-2): 7884                1 coal-based

---

**Name of Variable: aazhegas**

**Description:** KS2\_3 natural gas-based additional heating

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: -2.00    3. Qu.: 0.00  
Mean: -1.38    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    0 not natural gas-based  
Not asked(-2): 7884                1 natural gas-based

---

**Name of Variable: aazhlpq**

**Description:** KS2\_4 LPG-based additional heating

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: -2.00    3. Qu.: 0.00  
Mean: -1.38    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                    0 not LPG-based  
Not asked(-2): 7884                1 LPG-based

---

**Name of Variable: aazhoil**

**Description:** KS2\_5 oil-based additional heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.38	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 not oil-based
Not asked(-2):	7884	1 oil-based

---

**Name of Variable: aazhstr**

**Description:** KS2\_6 electricity-based additional heating

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.31	Median:	-2.00

**Missings and Encoding:**

No Answer (-1):	0	0 not electricity-based
Not asked(-2):	7884	1 electricity-based

---

**Name of Variable: aazhwn**

**Description:** KS2\_7 unknown

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	-2.00	3. Qu.:	0.00
Mean:	-1.38	Median:	-2.00



**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: 0.00    3. Qu.: 0.00  
Mean: -0.09    Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0                    0 no instantaneous water heater  
Not asked(-2): 1278                1 instantaneous water heater

---

**Name of Variable: aawuetg**

**Description:** KS4a.3 warm water from oversink unit

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: 0.00    3. Qu.: 0.00  
Mean: -0.22    Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0                    0 no oversink unit  
Not asked(-2): 1278                1 oversink unit

---

**Name of Variable: aawwutg**

**Description:** KS4a.3 warm water from undersink unit

**Descriptives:**

Min.: -2.00    Max.: 1.00  
1. Qu.: 0.00    3. Qu.: 0.00  
Mean: -0.17    Median: 0.00

**Missings and Encoding:**

No Answer (-1): 0                    0 no undersink unit  
Not asked(-2): 1278                1 undersink unit

---

**Name of Variable: aawwnlg**

**Description:** KS4a.5 warm water from gas heater

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	-0.11	Median:	0.00

**Missings and Encoding:**

No Answer (-1):	0	0 no gas heater
Not asked(-2):	1278	1 gas heater

---

**Name of Variable: aawwkein**

**Description:** KS4a.6 no such device

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	1.00
Mean:	0.29	Median:	1.00

**Missings and Encoding:**

No Answer (-1):	0	0 no
Not asked(-2):	1278	1 yes, no such device

---

**Name of Variable: aawwstng**

**Description:** KS4a.7 unknown

**Descriptives:**

Min.:	-2.00	Max.:	1.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	-0.21	Median:	0.00

**Missings and Encoding:**

No Answer (-1): 0                      0 no  
Not asked(-2): 1278                    1 yes

---

**Name of Variable: aawwabl**

**Description:** KS4b type of boiler

**Descriptives:**

Min.: -2.00    Max.: 4.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.65    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0                      1 electricity-based  
Not asked(-2): 10335                    2 natural gas-based  
    3 liquefied petroleum gas-based  
    4 do not know

---

**Name of Variable: aakoch**

**Description:** KS5 type of main stove

**Descriptives:**

Min.: -2.00    Max.: 6.00  
1. Qu.: 1.00    3. Qu.: 1.00  
Mean: 0.74    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0                      1 electricity  
Not asked(-2): 1280                    2 natural gas  
    3 LPG  
    4 coal  
    5 wood  
    6 do not know

---

**Name of Variable: stwpzaeh**

**Description:** KS6 separate electricity meter for heat pump



**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: -1.96 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 11228 2 no  
3 do not know

---

**Name of Variable: strezh**

**Description:** KS7 electricity bill on hand

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: 1.00 3. Qu.: 2.00  
Mean: 1.04 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 1556 2 no, I do not have any bill anymore  
3 not specified

---

**Name of Variable: lprezh**

**Description:** KE1 gas bill on hand

**Descriptives:**

Min.: -2.00 Max.: 3.00  
1. Qu.: -2.00 3. Qu.: 2.00  
Mean: -0.26 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0 1 yes  
Not asked(-2): 6042 2 no, I do not have any bill anymore  
3 not specified

---

**Name of Variable: ke3**

**Description:** KE3 unit gas consumption on bill

**Descriptives:**

Min.: -2.00    Max.: 4.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.36    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0	1 Kilowattstunden (kWh)
Not asked(-2): 9195	2 Megawattstunden (MWh)
	3 Kubikmeter (m3)
	4 weiß nicht

---

**Name of Variable: soaeki**

**Description:** S4 has grandchildren

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: -2.00    3. Qu.: 2.00  
Mean: 0.15    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 4532

---

**Name of Variable: soschv**

**Description:** S5 has school-leaving qualification

**Descriptives:**

Min.: -2.00    Max.: 4.00  
1. Qu.: 1.00    3. Qu.: 1.00  
Mean: 0.64    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 1423	2 no
	3 not yet
	4 not specified

---

**Name of Variable: soschul****Description:** S6 highest school-leaving qualification**Descriptives:**

Min.:	-2.00	Max.:	6.00
1. Qu.:	2.00	3. Qu.:	5.00
Mean:	2.99	Median:	3.00

**Missings and Encoding:**

No Answer (-1): 0	1 school-leaving qualification after at most 7 years of schooling
Not asked(-2): 1541	2 'Haupt-/Volksschulabschluss' (basic school qualification)
	3 'Mittlere Reife, Realschulabschluss' (secondary schoolleaving certificate)
	4 advanced technical college certificate
	5 'Abitur', higher education entrance qualification
	6 not specified

---

**Name of Variable: sobhav****Description:** S7 professional/university degree exists**Descriptives:**

Min.:	-2.00	Max.:	4.00
1. Qu.:	1.00	3. Qu.:	1.00
Mean:	0.70	Median:	1.00

**Missings and Encoding:**

No Answer (-1): 0	1 yes
Not asked(-2): 1424	2 no
	3 not yet
	4 not specified

---

**Name of Variable: sobhaa****Description:** S8 highest professional/university degree**Descriptives:**

Min.:	-2.00	Max.:	13.00
1. Qu.:	3.00	3. Qu.:	10.00
Mean:	5.32	Median:	5.00

**Missings and Encoding:**

No Answer (-1): 0	1 Semi-skilled (Anlernausbildung)
Not asked(-2): 2155	2 Vocational preparation year (berufsvorbereitungsjahr)
	3 Vocational training (Lehre, Berufsausbildung im dualen System)
	4 Traineeship for the middle grade of the civil service (Vorbereitungsdienst für den mittleren Dienst)
	5 Professional qualification from a vocational school (Berufsqualifizierender Abschluss an einer Berufsfachschule)
	6 2- to 3-year school of public health (Schule des Gesundheitswesens)
	7 Degree from technical college (Fachschulabschluss)
	8 Professional/Vocational academy (Berufs-/Fachakademie)
	9 Degree from an administrative College (Verwaltungsfachhochschule)
	10 Polytechnic degree (Fachhochschulabschluss, auch Ingenieurschulabschluss)
	11 University degree, degree (Universität und wissenschaftliche Hochschule)
	12 PhD
	13 not specified

---

**Name of Variable: soerw**

**Description:** S9a labour status

**Descriptives:**

Min.:	-2.00	Max.:	13.00
1. Qu.:	1.00	3. Qu.:	5.00
Mean:	2.48	Median:	1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 1433

- 1 I am employed
- 2 I am in voluntary military service/federal volunteer service (Wehr-/Bundesfreiwilligendienst)
- 3 I am a pupil (school)
- 4 I am a student (university)
- 5 I am a retiree, pensioner
- 6 I live on capital income, etc.
- 7 I receive maintenance payments/contributions by others (Unterhalt/Zuwendungen)
- 8 I am a housewife/househusband or do care-work for children and/or care-dependent person
- 9 I receive unemployment benefits (ALG1)
- 10 I receive unemployment benefits (ALG2 or Hartz4)
- 11 I receive social benefits or basic provision (Sozialhilfe/Grundsicherung)
- 12 none of the listed options
- 13 not specified

---

**Name of Variable: sowzd**

**Description:** S9b military or civilian service

**Descriptives:**

Min.:	-2.00	Max.:	4.00
1. Qu.:	-2.00	3. Qu.:	2.00
Mean:	0.17	Median:	1.00

**Missings and Encoding:**

No Answer (-1): 0	1 I have done military service
Not asked(-2): 5056	2 I have done civilian service
	3 none of them
	4 not specified

---

**Name of Variable: sobetz**

**Description:** S10 full-time/half-time employment

**Descriptives:**

Min.:	-2.00	Max.:	4.00
1. Qu.:	-2.00	3. Qu.:	1.00
Mean:	-0.42	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0	1 full-time employment
Not asked(-2): 5851	2 part-time employment with at least 20 hours per week
	3 part-time with less than 20 hours per week
	4 not specified

---

**Name of Variable: soberg**

**Description:** S11 professional activity

**Descriptives:**

Min.:	-2.00	Max.:	11.00
1. Qu.:	-2.00	3. Qu.:	1.00
Mean:	0.03	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 5854

1 employee  
2 worker  
3 apprentice  
4 self-employed without employees  
5 self-employed with employees  
6 unpaid family worker  
7 public servant  
8 soldier  
10 side-jobber/ 1-Euro-jobber  
11 not specified

---

**Name of Variable: soeinkom****Description:** S12 monthly net household income**Descriptives:**

Min.: -2.00 Max.: 13.00

1. Qu.: 3.00 3. Qu.: 7.00

Mean: 4.98 Median: 5.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 1445

1 below 700 Euro  
2 700 to below 1200 Euro  
3 1200 to below 1700 Euro  
4 1700 to below 2200 Euro  
5 2200 to below 2700 Euro  
6 2700 to below 3200 Euro  
7 3200 to below 3700 Euro  
8 3700 to below 4200 Euro  
9 4200 to below 4700 Euro  
10 4700 to below 5200 Euro  
11 5200 to below 5700 Euro  
12 5700 Euro and more  
13 not specified

---

**Name of Variable: pamuws****Description:** S13 member of environmental organization

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 1.37    Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0                    1 yes  
Not asked(-2): 1446                2 no  
   3 do not know

---

**Name of Variable: papol**

**Description:** S14 general party affiliation

**Descriptives:**

Min.: -2.00    Max.: 3.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 0.91    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0                    1 yes  
Not asked(-2): 1447                2 no  
   3 do not know

---

**Name of Variable: papart**

**Description:** S15 which political party

**Descriptives:**

Min.: -2.00    Max.: 10.00  
1. Qu.: -2.00    3. Qu.: 2.00  
Mean: 0.94    Median: 1.00



**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 4629

1 Christian Democrat Union of Germany / Christian Social Union in Bavaria

2 Social Democratic Party of Germany

3 Free Democratic Party

4 Alliance 90/The Greens

5 The Left

6 Alternative for Germany

7 Pirate Party Germany

8 National Democratic Party of Germany

9 other political party

10 not specified

---

**Name of Variable: ges****Description:** gender**Descriptives:**

Min.: 1.00 Max.: 2.00

1. Qu.: 1.00 3. Qu.: 2.00

Mean: 1.38 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

1 male

Not asked(-2): 0

2 female

---

**Name of Variable: sofam****Description:** family status**Descriptives:**

Min.: 1.00 Max.: 6.00

1. Qu.: 1.00 3. Qu.: 3.00

Mean: 2.04 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

1 married and living together with partner

2 married and living apart from partner

3 single

4 divorced

5 widowed

6 not specified

---

**Name of Variable: sopart1**

**Description:** living together with partner

**Descriptives:**

Min.: 1.00 Max.: 3.00

1. Qu.: 1.00 3. Qu.: 2.00

Mean: 1.33 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

1 yes

2 no

3 not specified

---

**Name of Variable: natio**

**Description:** nationality

**Descriptives:**

Min.: -2.00 Max.: 25.00

1. Qu.: 1.00 3. Qu.: 1.00

Mean: 1.20 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 4

- 1 Germany
  - 2 Belgium
  - 3 Denmark
  - 4 France
  - 5 Greece
  - 6 Great Britain/Northern Ireland
  - 8 Republic of Ireland
  - 9 Italy
  - 10 former Yugoslavia
  - 11 Luxembourg
  - 12 Netherlands
  - 13 Norway
  - 14 Austria
  - 15 Poland
  - 16 Portugal
  - 17 Russia
  - 18 Sweden
  - 19 Switzerland
  - 20 Spain
  - 21 former Czechoslovakia
  - 22 Turkey
  - 23 Hungary
  - 24 USA
  - 25 others/not specified
- 

**Name of Variable: soalt**

**Description:** age

**Descriptives:**

Min.: 18.00    Max.: 90.00

1. Qu.: 46.00    3. Qu.: 65.00

Mean: 54.92    Median: 56.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aausj**

**Description:** start of survey - year

**Descriptives:**

Min.: 2015.00    Max.: 2016.00  
1. Qu.: 2016.00    3. Qu.: 2016.00  
Mean: 2015.98    Median: 2016.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: aausm**

**Description:** start of survey - month

**Descriptives:**

Min.: 1.00    Max.: 12.00  
1. Qu.: 1.00    3. Qu.: 1.00  
Mean: 1.30    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: aaust**

**Description:** start of survey - day

**Descriptives:**

Min.: 1.00    Max.: 31.00  
1. Qu.: 9.00    3. Qu.: 14.00  
Mean: 12.25    Median: 11.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: aauss**

**Description:** start of survey - minute

**Descriptives:**

Min.:	0.00	Max.:	23.00
1. Qu.:	11.00	3. Qu.:	18.00
Mean:	14.36	Median:	14.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aausmi**

**Description:** start of survey - minute

**Descriptives:**

Min.:	0.00	Max.:	59.00
1. Qu.:	14.00	3. Qu.:	44.00
Mean:	29.29	Median:	29.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aauej**

**Description:** end of suvery - year

**Descriptives:**

Min.:	2015.00	Max.:	2016.00
1. Qu.:	2016.00	3. Qu.:	2016.00
Mean:	2015.98	Median:	2016.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: auuem**

**Description:** end of survey - month

**Descriptives:**

Min.: 1.00 Max.: 12.00

1. Qu.: 1.00 3. Qu.: 1.00

Mean: 1.30 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: auuet**

**Description:** end of survey - day

**Descriptives:**

Min.: 1.00 Max.: 31.00

1. Qu.: 9.00 3. Qu.: 14.00

Mean: 12.32 Median: 11.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aaues**

**Description:** end of survey - hour

**Descriptives:**

Min.: 0.00 Max.: 23.00  
1. Qu.: 11.00 3. Qu.: 18.00  
Mean: 14.80 Median: 15.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: aauemi**

**Description:** end of survey - minute

**Descriptives:**

Min.: 0.00 Max.: 59.00  
1. Qu.: 14.00 3. Qu.: 45.00  
Mean: 29.72 Median: 30.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: aaudau**

**Description:** survey length

**Descriptives:**

Min.: -1.00 Max.: 9074.00  
1. Qu.: 933.00 3. Qu.: 2072.00  
Mean: 1556.96 Median: 1414.00

**Missings and Encoding:**

No Answer (-1): 1106  
Not asked(-2): 0

---

**Name of Variable: lfdn**

**Description:** lfdn

**Descriptives:**

Min.:	86.00	Max.:	11643.00
1. Qu.:	2973.00	3. Qu.:	8733.00
Mean:	5858.97	Median:	5854.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: sogej**

**Description:** year of birth

**Descriptives:**

Min.:	1925.00	Max.:	1997.00
1. Qu.:	1950.00	3. Qu.:	1969.00
Mean:	1960.08	Median:	1959.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aaplz**

**Description:** zip code

**Descriptives:**

Min.:	26.00	Max.:	99976.00
1. Qu.:	26624.00	3. Qu.:	71522.00
Mean:	49430.41	Median:	48691.00



**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: zufz\_v**

**Description:** random number/Zufallszahl V-Teil(1-12)

**Descriptives:**

Min.: 1.00 Max.: 12.00

1. Qu.: 4.00 3. Qu.: 9.00

Mean: 6.52 Median: 7.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: wta**

**Description:** wta value

**Descriptives:**

Min.: -2.00 Max.: 9.00

1. Qu.: -2.00 3. Qu.: 6.00

Mean: 1.97 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 5694

---

**Name of Variable: wtp**

**Description:** wtp value

**Descriptives:**

Min.: -2.00    Max.: 9.00  
1. Qu.: -2.00    3. Qu.: 6.00  
Mean: 1.99    Median: 1.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 5681

---

**Name of Variable: zufz\_n**

**Description:** random number/Zufallszahl N-Teil (1-9)

**Descriptives:**

Min.: 1.00    Max.: 9.00  
1. Qu.: 3.00    3. Qu.: 7.00  
Mean: 5.01    Median: 5.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: zufz\_g**

**Description:** random number/Zufallszahl G-Teil

**Descriptives:**

Min.: 1.00    Max.: 2.00  
1. Qu.: 1.00    3. Qu.: 2.00  
Mean: 1.50    Median: 2.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: zufz\_z**

**Description:** random number/Zufallszahl Z-Teil (1-9)

**Descriptives:**

Min.:	1.00	Max.:	9.00
1. Qu.:	3.00	3. Qu.:	7.00
Mean:	4.98	Median:	5.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: z\_n**

**Description:** Z-value in part N (150,300,600)

**Descriptives:**

Min.:	100.00	Max.:	500.00
1. Qu.:	100.00	3. Qu.:	500.00
Mean:	281.07	Median:	250.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: z\_z**

**Description:** Z-value in part Z (EEG-Levy) (1,2,4)

**Descriptives:**

Min.:	1.00	Max.:	4.00
1. Qu.:	1.00	3. Qu.:	4.00
Mean:	2.32	Median:	2.00

**Missings and Encoding:**

No Answer (-1): 0

Not asked(-2): 0

---

**Name of Variable: aaflech**

**Description:** A2 net dwelling area

**Descriptives:**

Min.: -1.00 Max.: 1150.00

1. Qu.: 75.00 3. Qu.: 140.00

Mean: 111.97 Median: 104.00

**Missings and Encoding:**

No Answer (-1): 49

Not asked(-2): 0

---

**Name of Variable: stkoss14**

**Description:** A9a estimated electricity costs 2014

**Descriptives:**

Min.: -1.00 Max.: 9999.00

1. Qu.: 480.00 3. Qu.: 1200.00

Mean: 863.45 Median: 800.00

**Missings and Encoding:**

No Answer (-1): 1060

Not asked(-2): 0

---

**Name of Variable: a9b**

**Description:** A9b estimated price for 1 kWh of electricity - to be adjusted

**Descriptives:**

Min.: -1.00    Max.: 6000.00  
1. Qu.: -1.00    3. Qu.: 24.77  
Mean: 15.73    Median: 0.30

**Missings and Encoding:**

No Answer (-1): 4262  
Not asked(-2): 0

---

**Name of Variable: a9c**

**Description:** A9c estimated electricity consumption (household) 2014 - to be adjusted

**Descriptives:**

Min.: -1.00    Max.: 97382.00  
1. Qu.: -1.00    3. Qu.: 3600.00  
Mean: 2580.63    Median: 2000.00

**Missings and Encoding:**

No Answer (-1): 3392  
Not asked(-2): 0

---

**Name of Variable: stseeg**

**Description:** A9d estimated EEG levy per kWh

**Descriptives:**

Min.: -1.00    Max.: 85.50  
1. Qu.: -1.00    3. Qu.: 5.00  
Mean: 2.11    Median: 0.05

**Missings and Encoding:**

No Answer (-1): 5084  
Not asked(-2): 0

---

**Name of Variable: aahhg\_0**

**Description:** A11 household size

**Descriptives:**

Min.:	-1.00	Max.:	10.00
1. Qu.:	1.00	3. Qu.:	3.00
Mean:	2.10	Median:	2.00

**Missings and Encoding:**

No Answer (-1): 68

Not asked(-2): 0

---

**Name of Variable: sokihh**

**Description:** A12 children (under 14) in household

**Descriptives:**

Min.:	-1.00	Max.:	5.00
1. Qu.:	0.00	3. Qu.:	0.00
Mean:	0.16	Median:	0.00

**Missings and Encoding:**

No Answer (-1): 764

Not asked(-2): 0

---

**Name of Variable: strafwtamo**

**Description:** V9b WTA of monthly compensation for yearly 4h-power cut-off

**Descriptives:**

Min.:	-2.00	Max.:	999.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	0.29	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 206

Not asked(-2): 10260

---

**Name of Variable: strafwtpmo**

**Description:** V10b WTP of monthly fee to prevent yearly 4h-power cut-offs

**Descriptives:**

Min.: -2.00 Max.: 50.00

1. Qu.: -2.00 3. Qu.: -2.00

Mean: -1.79 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 57

Not asked(-2): 10931

---

**Name of Variable: stausfanz**

**Description:** V12 number of experienced blackouts in Gemany in last 5 years

**Descriptives:**

Min.: -2.00 Max.: 99.00

1. Qu.: -2.00 3. Qu.: 2.00

Mean: 0.47 Median: -1.00

**Missings and Encoding:**

No Answer (-1): 85

Not asked(-2): 5678

---

**Name of Variable: stausflae**

**Description:** V13 length of longest blackout in last 5 years

**Descriptives:**

Min.: -2.00    Max.: 9999.00  
1. Qu.: -2.00    3. Qu.: 45.00  
Mean: 47.95    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 585  
Not asked(-2): 5763

---

**Name of Variable: strfinabus**

**Description:** G2a1 Certainty (Sicherheit) lower third

**Descriptives:**

Min.: -3.00    Max.: 100.00  
1. Qu.: -2.00    3. Qu.: 15.00  
Mean: 6.31    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 600  
Not asked(-2): 5692

---

**Name of Variable: strfinabms**

**Description:** G2a2 Certainty (Sicherheit) middle third

**Descriptives:**

Min.: -3.00    Max.: 100.00  
1. Qu.: -2.00    3. Qu.: 30.00  
Mean: 10.91    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 600  
Not asked(-2): 5692



---

**Name of Variable: strfinabos**

**Description:** G2a3 Certainty (Sicherheit) upper third

**Descriptives:**

Min.:	-3.00	Max.:	100.00
1. Qu.:	-2.00	3. Qu.:	45.00
Mean:	17.54	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 600

Not asked(-2): 5692

---

**Name of Variable: strfinabuu**

**Description:** G2b1 Uncertainty (Unsicherheit) lower third

**Descriptives:**

Min.:	-3.00	Max.:	100.00
1. Qu.:	-2.00	3. Qu.:	15.00
Mean:	6.50	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 565

Not asked(-2): 5683

---

**Name of Variable: strfinabmu**

**Description:** G2b2 Uncertainty (Unsicherheit) middle third

**Descriptives:**

Min.:	-3.00	Max.:	100.00
1. Qu.:	-2.00	3. Qu.:	30.00
Mean:	11.10	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 565

Not asked(-2): 5683

---

**Name of Variable: strfinabou**

**Description:** G2b3 Uncertainty (Unsicherheit) upper third

**Descriptives:**

Min.: -3.00 Max.: 100.00

1. Qu.: -2.00 3. Qu.: 45.00

Mean: 17.84 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 565

Not asked(-2): 5683

---

**Name of Variable: pamindex**

**Description:** G3b min. monthly income of low-income households

**Descriptives:**

Min.: -3.00 Max.: 8800.00

1. Qu.: -1.00 3. Qu.: 1000.00

Mean: 678.18 Median: 700.00

**Missings and Encoding:**

No Answer (-1): 1502

Not asked(-2): 2351

---

**Name of Variable: ks8ta**

**Description:** KS8ta electricity bill starting day

**Descriptives:**

Min.: -2.00    Max.: 31.00  
1. Qu.: -2.00    3. Qu.: 1.00  
Mean: 3.13    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 454  
Not asked(-2): 5931

---

**Name of Variable: ks8ma**

**Description:** KS8ma electricity bill starting month

**Descriptives:**

Min.: -2.00    Max.: 12.00  
1. Qu.: -2.00    3. Qu.: 3.00  
Mean: 1.18    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 454  
Not asked(-2): 5931

---

**Name of Variable: ks8ja**

**Description:** KS8ja electricity bill starting year

**Descriptives:**

Min.: -2.00    Max.: 2015.00  
1. Qu.: -2.00    3. Qu.: 2014.00  
Mean: 864.99    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 454  
Not asked(-2): 5931

---

**Name of Variable: ks8te**

**Description:** KS8te electricity bill ending day

**Descriptives:**

Min.:	-2.00	Max.:	31.00
1. Qu.:	-2.00	3. Qu.:	21.00
Mean:	8.05	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 454

Not asked(-2): 5931

---

**Name of Variable: ks8me**

**Description:** KS8me electricity bill ending month

**Descriptives:**

Min.:	-2.00	Max.:	12.00
1. Qu.:	-2.00	3. Qu.:	7.00
Mean:	2.32	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 454

Not asked(-2): 5931

---

**Name of Variable: ks8je**

**Description:** KS8je electricity bill ending year

**Descriptives:**

Min.:	-2.00	Max.:	2015.00
1. Qu.:	-2.00	3. Qu.:	2014.00
Mean:	865.29	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 454

Not asked(-2): 5931

---

**Name of Variable: stverbr1**

**Description:** KS9 power consumption kWh

**Descriptives:**

Min.: -3.00      Max.: 75000.00

1. Qu.: -2.00    3. Qu.: 2596.00

Mean: 1407.41    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 158

Not asked(-2): 5932

---

**Name of Variable: stgrpr1**

**Description:** KS10 basic charge for electricity (Euro)

**Descriptives:**

Min.: -3.00      Max.: 78730.00

1. Qu.: -2.00    3. Qu.: 76.00

Mean: 138.56    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 454

Not asked(-2): 5932

---

**Name of Variable: stapr1**

**Description:** KS11a kilowatt-hour rate (Euro)

**Descriptives:**

Min.: -3.00    Max.: 99.30  
1. Qu.: -2.00    3. Qu.: 21.60  
Mean: 7.57    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 377  
Not asked(-2): 5932

---

**Name of Variable: stneter1**

**Description:** KS11b price of grid service/kWh (Euro)

**Descriptives:**

Min.: -3.00    Max.: 99.80  
1. Qu.: -3.00    3. Qu.: -2.00  
Mean: -0.30    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 822  
Not asked(-2): 5932

---

**Name of Variable: stkost1**

**Description:** KS12 total costs electricity (Euro)

**Descriptives:**

Min.: -3.00    Max.: 76261.00  
1. Qu.: -2.00    3. Qu.: 750.00  
Mean: 410.17    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 300  
Not asked(-2): 5932

---

**Name of Variable: lptar1\_0**

**Description:** KE2ta gas bill starting day

**Descriptives:**

Min.:	-2.00	Max.:	31.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	0.03	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 125

Not asked(-2): 9185

---

**Name of Variable: lpmar1\_0**

**Description:** KE2ma gas bill starting month

**Descriptives:**

Min.:	-2.00	Max.:	12.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-0.62	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 125

Not asked(-2): 9185

---

**Name of Variable: lpjar1\_0**

**Description:** KE2ja gas bill starting year

**Descriptives:**

Min.:	-2.00	Max.:	2015.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	362.72	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 125

Not asked(-2): 9185

---

**Name of Variable: lpter1\_0**

**Description:** KE2te gas bill ending day

**Descriptives:**

Min.: -2.00 Max.: 31.00

1. Qu.: -2.00 3. Qu.: -2.00

Mean: 2.33 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 125

Not asked(-2): 9185

---

**Name of Variable: lpmer1\_0**

**Description:** KE2me gas bill ending month

**Descriptives:**

Min.: -2.00 Max.: 12.00

1. Qu.: -2.00 3. Qu.: -2.00

Mean: -0.14 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 125

Not asked(-2): 9185

---

**Name of Variable: lpjer1\_0**

**Description:** KE2je gas bill ending day



**Descriptives:**

Min.: -2.00 Max.: 2015.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: 362.85 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 125  
Not asked(-2): 9185

---

**Name of Variable: ngverbr1**

**Description:** KE4a gas consumption kwh/m

**Descriptives:**

Min.: -2.00 Max.: 747932.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: 2848.31 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 56  
Not asked(-2): 9302

---

**Name of Variable: nggpr1**

**Description:** KE5 basic charge for gas (Euro)

**Descriptives:**

Min.: -3.00 Max.: 3903.00  
1. Qu.: -2.00 3. Qu.: -2.00  
Mean: 40.11 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 130  
Not asked(-2): 9187

---

**Name of Variable: nggk**

**Description:** KE6 total costs gas (Euro)

**Descriptives:**

Min.:	-3.00	Max.:	44905.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	214.77	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 82

Not asked(-2): 9187

---

**Name of Variable: ngapkwh**

**Description:** KE7a kilowatt-hour rate gas (Euro)

**Descriptives:**

Min.:	-2.00	Max.:	93.30
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-0.84	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 210

Not asked(-2): 9519

---

**Name of Variable: ngapmwh1**

**Description:** KE7b megawatt-hour rate gas (Euro)

**Descriptives:**

Min.:	-2.00	Max.:	118.00
1. Qu.:	-2.00	3. Qu.:	-2.00
Mean:	-1.97	Median:	-2.00

**Missings and Encoding:**

No Answer (-1): 7

Not asked(-2): 11364

---

**Name of Variable: ngaprm21**

**Description:** KE7c working rate/m gas (Euro)

**Descriptives:**

Min.: -2.00 Max.: 79.90

1. Qu.: -2.00 3. Qu.: -2.00

Mean: -1.84 Median: -2.00

**Missings and Encoding:**

No Answer (-1): 92

Not asked(-2): 11158

---

**Name of Variable: soaki**

**Description:** S3 number of own children

**Descriptives:**

Min.: -1.00 Max.: 9.00

1. Qu.: 0.00 3. Qu.: 2.00

Mean: 1.18 Median: 1.00

**Missings and Encoding:**

No Answer (-1): 199

Not asked(-2): 0

---

**Name of Variable: soid**

**Description:** household ID

**Descriptives:**

Min.: 1.01e+08    Max.: 9.75e+08  
1. Qu.: 1.31e+08    3. Qu.: 3.16e+08  
Mean: 2.83e+08    Median: 1.41e+08

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: sogkz**

**Description:** commune ID

**Descriptives:**

Min.: 1.00e+06    Max.: 1.61e+07  
1. Qu.: 5.32e+06    3. Qu.: 9.56e+06  
Mean: 7.59e+06    Median: 7.14e+06

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: ngverbrm1**

**Description:** KE4b gas consumption MWh

**Descriptives:**

Min.: -2.00    Max.: 10000.00  
1. Qu.: -2.00    3. Qu.: -2.00  
Mean: -1.08    Median: -2.00

**Missings and Encoding:**

No Answer (-1): 1  
Not asked(-2): 11364

---

**Name of Variable: junk**

**Description:**

**Descriptives:**

Min.: 7.00 Max.: 8.00  
1. Qu.: 7.00 3. Qu.: 7.00  
Mean: 7.20 Median: 7.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

---

**Name of Variable: bland**

**Description:** federal state

**Descriptives:**

Min.: 1.00 Max.: 16.00  
1. Qu.: 5.00 3. Qu.: 9.00  
Mean: 7.27 Median: 7.00

**Missings and Encoding:**

No Answer (-1): 0  
Not asked(-2): 0

- 1 Schleswig-Holstein
- 2 Hamburg
- 3 Lower-Saxony
- 4 Bremen
- 5 North Rhine-Westphalia
- 6 Hestia
- 7 Rhineland-Palatinate
- 8 Baden-Wuerttemberg
- 9 Bavaria
- 10 Saarland
- 11 Berlin
- 12 Brandenburg
- 13 Mecklenburg-Vorpommern
- 14 Saxony
- 15 Saxony-Anhalt
- 16 Thuringia



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