



Leibniz-Institut
für Sozialwissenschaften

GESIS Panel Wave Report

Wave ea

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Part I: About the GESIS Panel

1. General Overview

The GESIS Panel provides a probability-based Omnibus Access Panel infrastructure located at GESIS Leibniz Institute for the Social Sciences in Mannheim, Germany. The project offers the social science community a unique opportunity to collect survey data from a representative sample of the German population free of charge.

The sample encompasses the German speaking population aged between 18 and 70 years (at the time of recruitment) and permanently residing in Germany. Fully operational from the beginning of 2014 the GESIS Panel includes over 4800 panelists.

The omnibus survey waves take place on a bi-monthly basis, each taking about 20 minutes and split up into two self-administered survey modes (online, offline). 62% of the panelists participate online (Web-based surveys), 38% of the panelists attend the surveys by mail.

Each survey wave consists of two major parts: About 15 minutes of survey time is reserved for the submitted studies. Fielded external studies have undergone a peer-review process. The second part of each survey wave (about five minutes of interviewing time) is reserved for longitudinal core study topics developed by GESIS.

One aim of the GESIS Panel Longitudinal Core Study is to measure frequently demanded characteristics beyond demographics, such as personality and human values, political behavior and orientations, well-being and quality-of-life, environmental attitudes and behavior, and information/communication technology usage. Moreover, a second aim of the GESIS Panel Longitudinal Core Study is to assess and to control for data quality (i.e., different sources of survey error) by measuring concepts such as survey participation evaluations, survey mode habits and preferences, and by including selected items from other benchmark surveys (e.g., German micro-census, ESS, ALLBUS, ISSP).

2. Data Collection Waves

2.1 Data Collection

The data collection process employs two self-administered survey modes (online, offline). Data collection and panel maintenance is administered and organized by the GESIS Panel Team. From 2014 onwards, the GESIS Panel runs questionnaires submitted by the research community that underwent a review process.

Panel members were recruited in 2013 in face-to-face interviews followed by a self-administered welcome survey. The mode was chosen by the participants. All participants of the welcome survey are considered members of the panel and invited to the bi-monthly regular waves. Please refer to the methods report of the recruitment process.

From 2014 onwards all participants are invited by mail and receive an unconditional incentive of five Euros. For the online mode, all GESIS Panel questionnaires are implemented into the EFS Panel installation by Questback. In addition to the mail invitation, online participants receive an invitation and two reminders by email. The online data collection process is conducted by the GESIS Panel team. The online field phase lasts about eight weeks.

Offline data are collected by the mail service provider SSM. They send out all paper questionnaires one day before the start of the online field phase. No reminders are sent out in the offline mode. In-coming paper questionnaires are processed by SSM until one day before the start of the next wave's field phase. The data is entered manually and all questionnaires are archived electronically.

2.2 Waves

The GESIS Panel omnibus survey waves take place on a bi-monthly basis, each encompassing about 20 minutes starting with wave aa in August 2013. The regular field phase lasts until the beginning of the next wave for both modes. Each wave includes a number of studies.

Table 1 presents an overview of all waves fielded by the GESIS Panel so far with central characteristics. The first column indicates the name of the wave. Waves and studies are named after the GESIS Panel naming convention (see Codebook). Waves are signified by two letters, the first signifying the year and the second the wave in the year, both letters having the potential range from a to z. To give an example, wave aa is the first wave (starting in mid-August) in the first year of the GESIS Panel 2013 and wave ba is the first wave in the second year of the GESIS Panel that went into the field mid-February 2014.

The second column indicates the studies that were fielded in the respective wave. The last columns provide information on the field period as well as the number of invited panelists and the number of those that participated.

The first three waves in 2013 (waves aa, ab, ac) were part of the recruitment phase and therefore only include a subsample of panelists. The first wave of the GESIS Panel with the full sample is wave ba in February 2014.

Table 1 Overview of GESIS Panel Field Periods

Wave	Studies	Field period		Invited	Participation
		Online	Offline		
aa	aa, ab, zq	21.08.2013- 20.09.2013	21.08.2013- 14.10.2013	1094	874
ab	ab, ac, ad, zq	16.10.2013- 10.12.2013	16.10.2013- 10.12.2013	2589	2046
ac	ab, ae, af, zq	11.12.2013- 19.02.2014	11.12.2013- 19.02.2014	4327	3281
ba	zb, ag, ah, ai, zq	27.02.2014- 15.04.2014	27.02.2014- 15.04.2014	4888	4304
bb	zc, aj, ak, al, ai, zq	16.04.2014- 17.06.2014	16.04.2014- 17.06.2014	4866	4212
bc	zd, aj, am, an zq	18.06.2014- 12.08.2014	18.06.2014- 12.08.2014	4839	4105
bd	ze, ao, ap, an, zq	13.08.2014- 14.10.2014	13.08.2014- 14.10.2014	4512	4035
be	zf, zg, zh, aq, an, zq	15.10.2014- 16.12.2014	15.10.2014- 16.12.2014	4458	4001
bf	zi, zh, am, ar, zq	17.12.2014-	17.12.2014-	4344	3882

Wave	Studies	Field period		Invited	Participation
		Online	Offline		
ca	zb, at, av, ar, zq	17.02.2015	17.02.2015	4249	3838
		18.02.2015- 14.04.2015	18.02.2015- 14.04.2015		
cb	zc, as, aq, aw, zq	15.04.2015- 16.06.2015	15.04.2015- 16.06.2015	4173	3775
		17.06.2015- 11.08.2015	17.06.2015- 11.08.2015		
cd	ze, as, av, az, aw, zq	12.08.2015- 13.10.2015	12.08.2015- 13.10.2015	4025	3615
		14.10.2015- 15.12.2015	14.10.2015- 15.12.2015		
cf	zi, ba, zh, bb, zy, aw, zq	16.12.2015- 16.02.2016	16.12.2015- 16.02.2016	3882	3531
		17.02.2016- 19.04.2016	17.02.2016- 19.04.2016		
da	zb, at, bc, av, be, zy, bf, aw, zq	20.04.2016- 14.06.2016	20.04.2016- 14.06.2016	3797	3493
		15.06.2016- 16.08.2016	15.06.2016- 16.08.2016		
dd	ze, ac, bk, bg, az, aw	17.08.2016- 18.10.2016	17.08.2016- 18.10.2016	3637	3287
		19.10.2016- 13.12.2016	19.10.2016- 13.12.2016		
de	zf, zg, zh, bd, bh, bl, aw	14.12.2016- 14.02.2017	14.12.2016- 14.02.2017	3572	3273
		15.02.2017- 18.04.2017	15.02.2017- 18.04.2017		
ea	zb, at, bp, bk, zj, zy, zz, aw	15.02.2017- 18.04.2017	15.02.2017- 18.04.2017	3448	3144

3. Access to Data and Documentation

The scientific use file of the GESIS Panel is accessible for scientific purposes via the GESIS Data Archive in Cologne (DBK). Along with the dataset all documents are stored centrally in the data catalogue. The documentation comprises the wave reports, the questionnaires and a codebook that documents all variables in the dataset.

Every two months an updated edition of the master dataset is released that includes new data from the last wave as well as revisions from previous waves. Data will be accessible about two months after the end of the field period.

We provide two editions of this master dataset: a scientific use file accessible for research purposes (GESIS Panel Standard Edition: ZA5665) and a secure scientific use file that is only available for on-site use at the Secure Data Center in Cologne (GESIS Panel Extended Edition: ZA5664). To access the scientific use file, users have to register with the data catalogue of the Data Archive (<https://dbk.gesis.org/dbksearch/>) and apply for access to the GESIS Panel dataset. Researchers then need to sign a user contract. Upon approval of the data use request, the data archive will provide researchers with access to the current scientific use file via secure ftp download.

Due to privacy protection rules some variables are not included in the scientific use file but are only included in the secure scientific use file that can only be accessed on-site via the [Secure Data Center](#) at the GESIS data archive in Cologne. Please refer to the conditions of the Secure Data Center for more information on this opportunity to use the GESIS Panel data.

4. Bibliographic Citation and Notification of Publications

4.1 Bibliographic Citation

Each new release, with its own DOI, is marked as a new edition. Although each release may include changes to older waves, replicability is guaranteed since every variable remains in the dataset and new editions are not replaced but added as new variables. We ask users to always pay attention that they use the correct DOI of the dataset they used for publications.

Researchers are required to cite the dataset they use in publications as follows with the correct ZA and version number and DOI. Please use the following citations for the data with the doi: 10.4232/1.12765 and doi: 10.4232/1.12766.

German:

GESIS (2017): GESIS Panel Erweiterte Edition. GESIS Datenarchiv, Köln. ZA5664 Datenfile Version 20.0.0, doi: 10.4232/1.12765

GESIS (2017): GESIS Panel Standard Edition. GESIS Datenarchiv, Köln. ZA5665 Datenfile Version 20.0.0, doi: 10.4232/1.12766

English:

GESIS (2017): GESIS Panel Extended Edition. GESIS Data Archive, Cologne. ZA5664 Datafile Version 20.0.0, doi: 10.4232/1.12765

GESIS (2017): GESIS Panel Standard Edition. GESIS Data Archive, Cologne. ZA5665 Datafile Version 20.0.0, doi: 10.4232/1.12766

Additionally, please refer to the GESIS Panel reference paper in publications that are based on the GESIS Panel data set:

Bosnjak , M., Dannwolf, T., Enderle, T., Schauer, I., Struminskaya, B., Tanner, A., & Weyandt K. W. (2017). Establishing an open probability-based mixed-mode panel of the general population in Germany: The GESIS Panel. *Social Science Computer Review*, 36(1). <https://doi.org/10.1177/0894439317697949>

4.2 Notification of Publications

To get an overview over the actual usage of our data, we would appreciate short notification in case of publications using GESIS Panel data to info@gesis-panel.de. Please notify bibliographic information of your publication and the DOI of the data set used. In accordance with our user contract we ask researchers to provide us with an electronic or paper copy of their publications. Publications that use GESIS Panel data are included in the official GESIS Panel bibliography on our homepage.

5. GESIS Panel Team

5.1 Core Team Members

The GESIS Panel team members are Dr. Bernd Weiß (Team Leader), David Bretschi, Steffen Pötzschke, Ines Schaurer, and Katharina Schmidt (Survey Project Management), Robert Bauer and Kai Weyandt (Survey Statistics and Data Quality Management), Gabriele Wahlig (Panel Management), Kai Böge (Software Adjustment and Maintenance).

5.2 Quality Assurance Board Members

The members of the GESIS Panel Scientific Quality Assurance Board are Jun.-Prof. Dr. Annelies Blom (University of Mannheim), Prof. Dr. Alan Bryman (University of Leicester), Dr. Mario Callegaro, Prof. Dr. Mick Couper (University of Michigan), Prof. Dr. Marcel Das (CentERdata and Tilburg University), Prof. Dr. Don Dillman (Washington State University), Prof. Dr. Marek Fuchs (Technical University Darmstadt), Prof. Dr. Arie Kapteyn (University of Southern California), Prof. Dr. Jon Krosnick (Stanford University), Prof. Dr. Peter Lynn (University of Essex), Prof. Dr. Norbert Schwarz (University of Southern California), Ass.-Prof. Dr. Bella Struminskaya (Utrecht University) and Ass.-Prof. Dr. Vera Toepoel (Utrecht University).

6. Acknowledgements

The GESIS Panel thanks the researchers submitting proposals to and fielding studies in the GESIS Panel. We are grateful to the anonymous reviewers that provide valuable feedback to the submitted studies.

Part II: Wave ea (February 2017/ March 2017)

1. Wave Preparation

1.1 Responsible GESIS Panel Team Members

Survey project management: Steffen Pötzschke, David Bretschi

Data management: Kai Weyandt

Data archiving: Kai Weyandt

Panel management: Gabriele Wahlig

1.2 Methodological Considerations

Wave ea is the 19th regular panel wave of the GESIS Panel after the recruitment process was finished. Overall, 3448 active panelists were invited to participate in wave ea.

All participants were invited by mail and received an unconditional incentive of five Euros. Online participants received an email invitation in addition.

1.3 Studies

Wave ea consisted of eight studies (see Table 2). The first study that was fielded in Wave ea is the GESIS Panel Longitudinal Core Study on Subjective Well-Being by Joseph Sirgy, Carina Cornesse & Michael Bosnjak (zb). The first external study is the third wave of study at by Grischa Perino and Sonja Köke which measures changes in life satisfaction. The next external study by Stefan Liebig, Guillermina Jasso and Clara Sabbagh (bp) is a single-wave experiment on justice language. Module four (bk) by Robert Neumann and Guido Mehlkopf is the second wave of their study to examine determinants of pro-environmental behavior. The aim of this study is to operationalize two competing theoretical approaches to measure environmental identity. Part seven by Ulrich Wagner, Patrick Kotzur, Simon Greipl, Peter Schmidt & Steffen Pötzschke is an attitudes towards refugees scale, that aims at providing a short scale to measure affective, cognitive, and behavioral intentional components of attitudes towards refugees, who became a primary target of prejudice in Germany and Europe. Study six (zy) by Stefan Ehlers, Natalja Menold, Jette Schröder and Sven Stadtmüller is a fast track study, which examines if the general population shares the view that infectious diseases will spread in Germany due to the migration of asylum seekers. The next study by Maikel Schwerdtfeger focuses on the evaluation of Donald Trump's election and the expectations regarding his presidency (zz). The last external study (aw) by Charles C. Driver and Manuel Völkle is the twelfth wave of a longitudinal study on subjective well-being that includes 13 waves of data collection in total.

Table 2 Overview of GESIS Panel Studies in Wave ea

Study	Waves	Authors	Title
zb	Core study	Joseph Sirgy, Carina Cornesse Michael Bosnjak	&GESIS Panel Longitudinal Core Study Module Subjective Well-Being
at	ca, da, ea	Grischa Perino & Sonja Köke	A Ranking Measure of Life Satisfaction
bp	ea	Stefan Liebig, Guillermina Jasso Clara Sabbagh	&Experiment on justice language
bk	dd, ea	Robert Neumann & Guido Mehlkop	The determinants of pro-environmental behavior - attitudes, identity and the framing of sustainable consumption
zj	ea	Ulrich Wagner, Patrick Kotzur, Simon Greipl, Peter Schmidt & Steffen Pötzschke	Attitude towards refugees scale
zy	ea	Stefan Ehlers, Natalja Menold, Jette Schröder & Sven Stadtmüller	Migration and the Spread of Infectious Diseases
zz	ea	Maikel Schwerdtfeger	Evaluation of Donald Trump's election and expectations regarding his presidency
aw	cb until eb	Charles C. Driver & Manuel Völkle	Within-yearly dynamics and cycles in subjective well-being

1.4 Questionnaire Composition

The wave ea questionnaire begins with 15 questions on subjective well-being (part 4 of study zb). The core study is followed by two questions of study at on a ranking measure of life satisfaction. The subsequent study bp on justice language includes one filter question (eabp045a). The study contains an experiment with three experimental conditions, each with eleven questions. This is followed by twelve questions of study bk on determinants of pro-environmental behavior. The next part consists of eight questions from study zj on attitudes towards refugees in Germany. It follows with three questions from the GESIS Panel Fast Track module (zy) on infectious diseases. Study zz contains four questions on the presidential elections in the United States, which were won by Donald Trump. The questionnaire continues with 16 questions of study aw on subjective well-being. The questionnaire closes with the regular module on respondents' evaluation of the questionnaire (core study zq) with ten questions. Within study zq the online and offline questionnaires differ with respect to two questions: Online respondents were asked about the electronic device they used to fill in the questionnaire (variables eazq014a and eazq015a). Offline respondents were asked on which date they filled in the questionnaire (variables eazq017a and eazq018a).

The online and offline questionnaire as well as the codebook and the study descriptions can be accessed via the study entry in the GESIS Data Archive.

2. Fielding and Outcome Rates

2.1 Fielding Phase

The invitation was sent out by mail on 14 February 2017 for all respondents (online and offline). The invitation letter included a five-Euro bill as an unconditional incentive. The letter for the offline respondents additionally included the paper questionnaire. Online respondents additionally received an invitation by email on 15 February 2017. The fieldwork for the wave ea ended on 18 April 2017.

Overall, 3448 active members of the GESIS Panel were invited, 1121 in the offline mode and 2327 in the online mode. The online participants who have not participated in the survey received two reminders on 23 February 2017 and 02 March 2017. The respondents invited in the offline mode did not receive any reminder letters. The text of the invitation letters (online and offline) and the reminders (only email) can be found in the Appendix.

Figure 1 shows the cumulative participation over the field period and the daily return of online and paper questionnaires. A detailed table can be found in the Appendix (see Table 5).

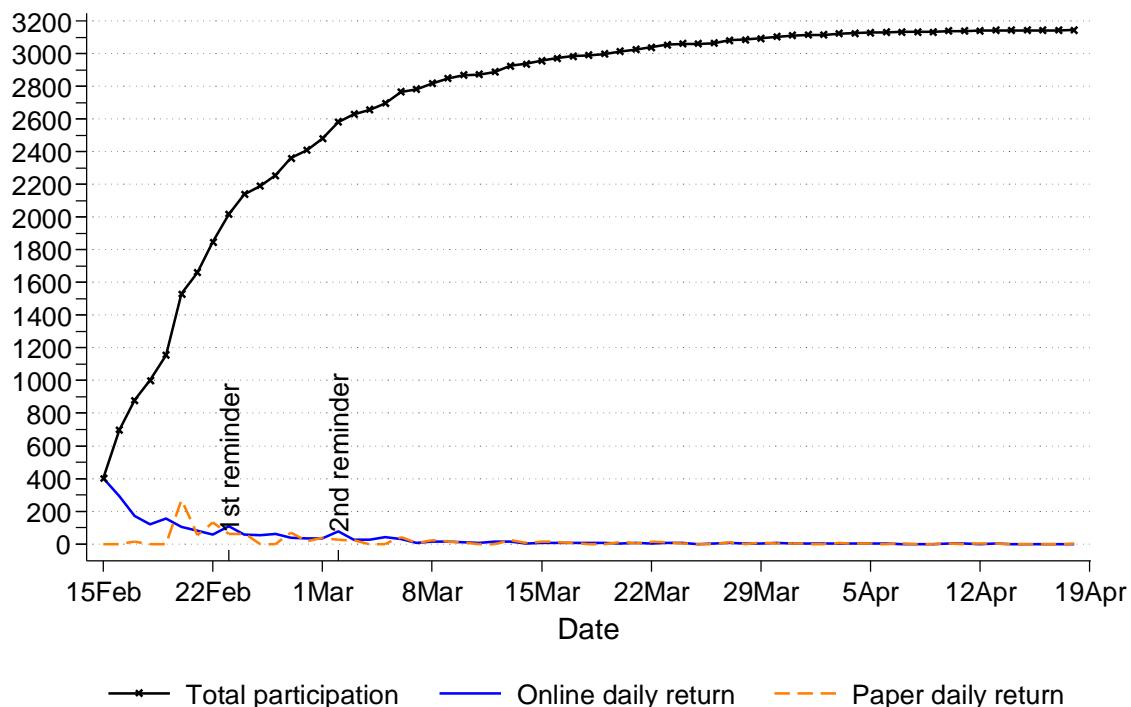


Figure 1 Wave ea field phase

2.2 Outcome Rates

Response rates calculations for self-administered online and offline surveys within the GESIS Panel are based on Callegaro and DiSogra (2008), DiSogra and Callegaro (2016) and Final Disposition Codes for Mail Surveys (American Association for Public Opinion Research, 2011). For detailed information on coding of the outcomes, refer to Table 6 in the Appendix.

The completion rate (COMR) is the proportion of those who completed or partially completed the survey over eligible panel members who were invited to the survey. All active panel

members are eligible for the wave. Active panel members are those who do not sign off from the panel. The eligibility for the wave surveys is defined as the returned welcome questionnaire: All invited panelists who returned the welcome questionnaire and did not sign off from the panel afterwards, were invited to the wave. The completion rate is computed separately for two modes and as an overall rate with counting the response to the mode the respondent was originally invited to.

$$\text{Completion Rate COMR} = \frac{\text{Interview+Partial}}{\text{Interview+Partial+Refusal+Noncontact+Other}}$$

$$\text{Overall COMR} = (3096+29)/(3096+29+34+5+284) = 90.63\%$$

$$\text{COMR Online} = (2112+12)/(2112+12+25+0+178) = 91.28\%$$

$$\text{COMR Offline} = (984+17)/(984+17+9+5+106) = 89.30\%$$

The absorption rate indicates the quality of address lists of active panel members. This estimate is a proportion of non-contacts among the active panelists.

$$\text{Absorption Rate} = \frac{\text{Invitations Sent} - \text{Undeliverable Invitations}}{\text{Invitations Sent}}$$

$$\text{Overall Absorption Rate} = (3448-5)/3448 = 99.85\%$$

$$\text{Absorption Rate Online} = (2327-0)/2327 = 100.00\%$$

$$\text{Absorption Rate Offline} = (1121-5)/1121 = 99.55\%$$

The cumulative response rate (COMR) is obtained by multiplication of the recruitment rate, profile rate, and the completion rate for each wave. The detailed information about the calculation of the recruitment rate and the profile rate is provided in the Appendix.

Cumulative Response Rate 1 (CUMR1)=RECR×PROR×COMR

$$\text{Overall CUMR1 Wave ea} = 0.2898 \times 0.7942 \times 0.9063 = 20.86\%$$

$$\text{CUMR1 Wave ea Online} = 0.2898 \times 0.7878 \times 0.9128 = 20.84\%$$

$$\text{CUMR1 Wave ea Offline} = 0.2898 \times 0.8067 \times 0.8930 = 20.88\%$$

The cumulative response rate 2 (CUMR2) takes into account the retention rate (RETR), that is, the number of active panel members at the time of this wave out of all active panel members (i.e., the panelists who returned the welcome questionnaire). It is advisable to report this indicator when using the data from a single wave.

$$\text{Retention Rate} = \frac{\text{Overall Active Panel@Wave ea}}{\text{Overall Active Panel@Welcome Survey}} = 3448/4938 = 69.83\%$$

$$\text{Retention Rate Online} = 2327/3068 = 75.85\%$$

$$\text{Retention Rate Offline} = 1121/1870 = 59.95\%$$

Cumulative Response Rate 2 (CUMR2)=RECR×PROR×COMR×RETR

Overall CUMR2 Wave ea = $0.2898 \times 0.7942 \times 0.9063 \times 0.6983 = 14.57\%$

CUMR2 Wave ea Online = $0.2898 \times 0.7878 \times 0.9128 \times 0.7585 = 15.81\%$

CUMR2 Wave ea Offline = $0.2898 \times 0.8067 \times 0.8930 \times 0.5995 = 12.52\%$

The break-off rate is a proportion of those who answered less than 50% of the substantial questions over those who started the interview (answered at least one question).

$$\text{Break-Off rate} = \frac{\text{Break-Off}}{\text{Interview+Partial+Break-Off}} = 14/(3096+29+14) = 0.45\%$$

Break-off rate Online = $10/(2112+12+10) = 0.47\%$

Break-off rate Offline = $4/(984+17+4) = 0.40\%$

Attrition rate in this wave report is defined as the proportion of the panel members who drop out between the welcome survey that was the first self-administered survey of the GESIS Panel and the current wave. According to the definition of the active panel (returned the welcome questionnaire), the active panel after the welcome questionnaire was 4938 panel members. During the recruitment phase, 50 panel members have signed off from the panel.

Attrition can occur voluntarily and involuntarily (DiSogra and Callegaro, 2016). In the GESIS Panel, during the recruitment and in the first three regular waves (ba, bb, and bc) attrition was a result of panel members contacting the GESIS Panel and requesting to be removed from the panel (voluntary attrition). Cases in which inability to participate due to health reasons or death of a panel member were communicated to the GESIS Panel by other persons (such as panel members' relatives) were treated as voluntarily attrition and removed from the panel.

If panel members do not respond to three consecutive waves or cannot be reached for three consecutive waves, they are excluded from the GESIS Panel (involuntary attrition). Removal of panel members due to prolonged nonresponse or prolonged noncontact was done before wave bd for the first time and is done before each wave. The attrition rate reported below includes cases for which a request has been done to be removed as well as cases removed by the GESIS Panel.

$$\begin{aligned} \text{Attrition rate} &= \frac{\text{Overall Active Panel@Welcome Survey} - \text{Overall Active Panel@Wave ea}}{\text{Overall Active Panel@Welcome Survey}} = \\ &= (4938-3448)/4938 = 30.17\% \end{aligned}$$

3. Post-Processing

3.1 Data Cleaning and Quality Control

Variable eaza002a indicates the mode in which a respondent answered the questionnaire. In general, paper questionnaires offer less guidance to respondents on how to answer a question than online questionnaires. This might even cause questions to be answered in an unintended manner and render the offline and online data incomparable. Such cases are marked as

unclear by the field institute entering the data and thoroughly checked by the survey management of GESIS Panel (see section 3.2.).

The longitudinal character of the panel requires special attention to data protection measures. Some variables might therefore require special security levels. These variables are discussed and listed in section 3.5.

3.2 Handling of Ambiguous Cases in the Paper Questionnaire

The paper questionnaires are entered manually by a field institute. Any problems and unclear responses are marked by the person entering the data and marked as -111. The main incidences are cases in which the person entering the data was uncertain of how to interpret the information provided by the respondent in the questionnaire. In contrast to previous wave publications recoding of the ambiguous cases has not been done.

3.3 Variables that are generated in the Process of Data Cleaning

Table 3 lists the variables that were generated in the process of data cleaning. In wave ea only one indicator variable had to be generated due to privacy reasons. The text responses with comments about the questionnaire in variable eazq016a are not published. Only a variable indicating whether the respondent left comments on the survey or not (eazq016b) is published.

Table 3 Overview of Generated Variables in Wave ea

Variable	Variable Label	Reason
eazq016b	Comment, dichotomous	Data protection: The text responses are not published but only a variable indicating whether the respondent left comments on the survey.

3.4 Paradata

In general, paradata can be easily identified in the dataset by the third and fourth digit in the variable name "zr", "zs", and "zp". In general, more paradata are available in the online mode.

For the online mode, relative time stamps (variables eazr001a to eazr089a) for each page are available. These time variables report the time difference in seconds between pressing the forward button of the respective page and the absolute time stamp. The absolute time stamp variable (eazp207a) signifies the time in seconds which is past since 1.1.1970 when loading the first page of the survey.

The connected page id is mentioned in the label. The page id for each question can be found in the codebook or on the screenshots of the online questionnaire. For technical details about the logic of the provided time stamp variables please see the EFS manual.

In wave ea, several client side based paradata are collected in page-based string variables (eazs001a to eazs089a). The connected page id is mentioned in the label. The page id for each question can be found in the codebook or on the screenshots of the online questionnaire.

For detailed information please see the separate paradata documentation (ZA5664-65_Online-Paradata.pdf).

3.5 Disclosure of Variables

Generally answers to open questions are not included in the Standard Edition. They are available in the Extended Edition. Table 4 gives an overview on the variables that are additionally available in the Extended Edition.

Table 4 Overview of Variables only Available in the Extended Edition

Variable	Variable Label	Reason
eazb030a	Vergleichsperson Familie: Andere - offen	Data protection
eazb034a	Vergleichsperson Finanzen: Andere - offen	Data protection
eabp047a	Höhe gerechtes Netto-EK - offen	Data protection
eabp048a	Höhe aktuelles Netto-EK - offen	Data protection
eabp050a	Höhe gerechtes Brutto-EK - offen	Data protection
eabp051a	Höhe aktuelles Brutto-EK - offen	Data protection
eabp058a	Höhe faires Netto-EK - offen	Data protection
eabp059a	Höhe aktuelles Netto-EK - offen	Data protection
eabp061a	Höhe faires Brutto-Einkommen - offen	Data protection
eabp062a	Höhe aktuelles Brutto-Einkommen - offen	Data protection
eabp069a	Höhe angemessenes Netto-EK - offen	Data protection
eabp070a	Höhe aktuelles Netto-EK - offen	Data protection
eabp072a	Höhe angemessenes Brutto-Einkommen - offen	Data protection
eabp073a	Höhe aktuelles Brutto-Einkommen - offen	Data protection
eazy117a	Flüchtlinge Anteil Bevölkerung	Data protection
eazp209a	Javascript version	Data protection
eazp210a	Flash version	Data protection

The text responses with comments about the questionnaire in variable eazq016a are not published. Only a variable indicating whether the respondent left comments on the survey or not (eazq016b) is published in the standard edition.

Appendix

I. Field Phase

Table 5 Field Period

Date	Event	Online No.	Offline No.	Total No.	%
15. Feb 17		402	18.79	402	12.79
16. Feb 17		294	13.74	294	9.35
17. Feb 17		169	7.90	183	5.82
18. Feb 17		121	5.66	121	3.85
19. Feb 17		155	7.25	155	4.93
20. Feb 17		106	4.96	374	11.90
21. Feb 17		79	3.69	131	4.17
22. Feb 17		58	2.71	188	5.98
23. Feb 17	1 st online reminder	107	5.00	169	5.38
24. Feb 17		59	2.76	122	3.88
25. Feb 17		52	2.43	52	1.65
26. Feb 17		63	2.95	63	2.00
27. Feb 17		37	1.73	106	3.37
28. Feb 17		33	1.54	49	1.56
01. Mar 17		34	1.59	71	2.26
02. Mar 17	2 nd online reminder	76	3.55	103	3.28
03. Mar 17		26	1.22	47	1.49
04. Mar 17		26	1.22	26	0.83
05. Mar 17		40	1.87	40	1.27
06. Mar 17		30	1.40	70	2.23
07. Mar 17		8	0.37	15	0.48
08. Mar 17		13	0.61	37	1.18
09. Mar 17		14	0.65	30	0.95
10. Mar 17		11	0.51	20	0.64
11. Mar 17		5	0.23	5	0.16
12. Mar 17		14	0.65	14	0.45
13. Mar 17		14	0.65	37	1.18
14. Mar 17		4	0.19	12	0.38
15. Mar 17		5	0.23	20	0.64
16. Mar 17		5	0.23	16	0.51
17. Mar 17		5	0.23	12	0.38
18. Mar 17		6	0.28	6	0.19
19. Mar 17		8	0.37	8	0.25
20. Mar 17		3	0.14	16	0.51
21. Mar 17		7	0.33	11	0.35
22. Mar 17		1	0.05	14	0.45
23. Mar 17		5	0.23	15	0.48
24. Mar 17		5	0.23	7	0.22
25. Mar 17		0	0.00	0	0.00
26. Mar 17		4	0.19	4	0.13

Date	Event	Online No.	Online %	Offline No.	Offline %	Total No.	Total %
27. Mar 17		5	0.23	11	1.09	16	0.51
28. Mar 17		4	0.19	0	0.00	4	0.13
29. Mar 17		3	0.14	6	0.60	9	0.29
30. Mar 17		5	0.23	4	0.40	9	0.29
31. Mar 17		4	0.19	4	0.40	8	0.25
01. Apr 17		3	0.14	0	0.00	3	0.10
02. Apr 17		1	0.05	0	0.00	1	0.03
03. Apr 17		2	0.09	5	0.50	7	0.22
04. Apr 17		1	0.05	2	0.20	3	0.10
05. Apr 17		3	0.14	1	0.10	4	0.13
06. Apr 17		1	0.05	0	0.00	1	0.03
07. Apr 17		0	0.00	3	0.30	3	0.10
08. Apr 17		0	0.00	0	0.00	0	0.00
09. Apr 17		0	0.00	0	0.00	0	0.00
10. Apr 17		1	0.05	4	0.40	5	0.16
11. Apr 17		1	0.05	0	0.00	1	0.03
12. Apr 17		0	0.00	2	0.20	2	0.06
13. Apr 17		1	0.05	1	0.10	2	0.06
14. Apr 17		0	0.00	0	0.00	0	0.00
15. Apr 17		0	0.00	0	0.00	0	0.00
16. Apr 17		0	0.00	0	0.00	0	0.00
17. Apr 17		0	0.00	0	0.00	0	0.00
18. Apr 17		0	0.00	1	0.10	1	0.03
Total		2188	100	1019	100	3207	100

II. Outcome and Response Metrics

Response rates calculations for the recruitment interview for the GESIS Panel are based on Final Disposition Codes for In-Person Household Surveys (American Association for Public Opinion Research, 2011). The response metrics for self-administered online and offline surveys, including the welcome survey, are based on Callegaro and DiSogra (2008), DiSogra and Callegaro (2016) and Final Disposition Codes for Mail Surveys (American Association for Public Opinion Research, 2011).

The Recruitment Rate (RECR) is a proportion of respondents who provided initial consent over all eligible respondents. We provide two recruitment rates, a maximum and a minimum recruitment rate, which correspond conceptually to AAPOR1 and AAPOR5 response rates. The minimum recruitment rate (RECR1) estimates all cases of unknown eligibility (e) as eligible, the maximum recruitment rate (RECR5) estimates all cases of unknown eligibility as non-eligible. For detailed information on coding of outcomes for the CAPI interview, refer to Table 6 in the Appendix and to the *TNS Recruitment Report*.

Recruitment rate RECR

$$\text{Overall RECR} = \frac{\text{Initial Consent}}{\text{Initial Consent} + \text{Refusal} + \text{Noncontact} + \text{Other} + e(\text{Unknown Household} + \text{Unknown Other})}$$

RECR1 (with e=1)=28.98%

RECR5 (with e=0)=31.56%

The profile rate (PROR) is a proportion of respondents who completed or partially completed the welcome questionnaire over all respondents who were sent an invitation to the welcome questionnaire. Complete response is defined as 80% and more answered substantial questions. Partial response is defined as 50-80% answered substantial questions. Substantial questions are questions starting from the first question to up to the survey evaluation items (denoted as zq in codebooks).

The profile rate is calculated separately for online and mail modes. If the respondent switched the mode, and completed/broke-off the questionnaire, his or her response is counted in the mode the respondent completed the survey. In case of the mode switch, respondents' invitation mode is replaced by the actual participation mode. Non-responding cases are counted to the mode in which they were sent the invitation to the welcome survey.

$$\text{Profile Rate PROR} = \frac{\text{Profile Survey Complete} + \text{Profile Survey Partial}}{\text{Profile Survey Complete} + \text{Partial} + \text{Refusal} + \text{Noncontact} + \text{Other}}$$

Overall PROR=4932/6210=79.42%

PROR Online=3233/4104=78.78%

PROR Offline=1699/2106=80.67%

Response Rate for the Welcome Survey=RECR1×PROR=23.02%

Response Rate for the Welcome Survey Online=RECR1×PROR=22.83%

Response Rate for the Welcome Survey Offline=RECR1×PROR=23.38%

Absorption rate indicates the quality of address lists of active panel members. This estimate is a proportion of noncontacts among the active panelists.

$$\text{Absorption Rate}^1 = \frac{\text{Invitations Sent} - \text{Undeliverable Invitations}}{\text{Invitations Sent}} = (6210 - 27) / 6210 = 99.57\%$$

The break-off rate is a proportion of those who answered less than 50% of the substantial questions over those who started the interview (answered at least one question).

$$\text{Break-Off Rate} = \frac{\text{Break-Off}}{\text{Interview} + \text{Partial} + \text{Break-Off}} = 20 / (4875 + 57 + 20) = 0.40\%$$

$$\text{Break-Off Rate Online} = 6 / (3223 + 10 + 6) = 0.19\%$$

$$\text{Break-Off Rate Offline} = 14 / (1652 + 47 + 14) = 0.82\%$$

¹ Since both online and offline respondents were invited per post, the absorption rate is calculated without a distinction by mode.

Table 6 Outcome Codes

CAPI Recruitment	Overall	Online	Offline
Initial consent	6210	n/a	n/a
Cases directly and actively refusing	10498	n/a	n/a
Non-contacts	1864	n/a	n/a
Other eligible non-interview cases	1104	n/a	n/a
Unknown if housing unit	247	n/a	n/a
Unknown eligibility other	1502	n/a	n/a
Profile (Welcome) Survey	Overall	Online	Offline
Profile survey Invited	6210	3997	2213
Invited including mode switch	6210	4104	2106
Profile survey complete	4875	3223	1652
Profile survey partial	57	10	47
Refusal to complete profile survey	50	28	22
Break-off (among refusal)	20	6	14
Profile survey non-contact (bouncer/retour)	27	13	14
Profile survey other	1201	830	371
Single Wave Surveys	Overall	Online	Offline
Wave ea Invited	3448	2327	1121
Wave ea Complete	3096	2112	984
Wave ea Partial	29	12	17
Wave ea Refusal	34	25	9
Break-off (among refusal)	14	10	4
Wave ea Noncontact (bouncer/retour)	5	0	5
Wave ea Other	284	178	106

Note: Complete response is defined as 80% and more of answered substantial questions. Partial response is defined as 50-80% of answered substantial questions. Break-off is defined as providing an answer to at least one substantial question and to less than 50% substantial questions. Refusal includes active (explicit) refusal and implicit refusal (leaving the questionnaire unanswered). Substantial questions are questions starting from the first question to up to the survey evaluation items (denoted as zq in codebooks).

Table 7 AAPOR Code Scheme

Returned questionnaire	1.0
Complete	1.1
Partial or break-off with sufficient information	1.2
Eligible. Non-Interview	2.0
Refusal and Breakoff	2.10
Refusal	2.11
Other person refusal	2.111
Known respondent-level refusal	2.112
Explicit refusal	2.1121
Explicit refusal with incentive	2.11211
Explicit refusal no incentive	2.11212
Implicit refusal	2.1122
Logged on to survey. did not complete any items	2.11221
Blank questionnaire mailed back. „implicit refusal“	2.113
Blank questionnaire with incentive returned	2.1131
Blank questionnaire with no incentive returned	2.1132
Break-off: questionnaire too incomplete to process/Break-off or partial with insufficient information	2.12
Non-contact	2.20
Notification that respondent was unavailable during field period	2.26
Completed questionnaire but not returned during field period	2.27
Other	2.30
Death (including Post: „Deceased“)	2.31
Physically or mentally unable/incompetent	2.32
Language	2.33
Respondent language problem	2.332
Miscellaneous	2.36
Unknown eligibility. non-interview	3.0
Not mailed / No invitation sent	3.11
Nothing ever returned	3.19
Post: No Mail Receptacle	3.253
Unknown whereabouts. mailing returned undelivered	3.30
Invitation returned undelivered (Email Bouncer)	3.30
Email Bouncer: Delivery problem	3.3113
Email Bouncer: Mailbox unknown	3.3114
Email Bouncer: Postbox full	3.3115
Email Bouncer: Spam-Filter	3.3116
Post: Undeliverable as addressed	3.31
Post: Attempted - Addressee not known at place of address	3.311
Postal box full	3.3112
Post: Moved, left no address	3.32
Returned with forwarding information	3.40
Other	3.90

Note: Estimate of eligible cases from the cases with unknown eligibility (e) is set to 1 for the calculation of response rates yielding no ineligible cases since the eligibility was determined during the recruitment interview.

III. Documents

a. Invitation Letter for Offline Participants sent by Mail

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für Sozialwissenschaften

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[REDACTED]

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Mannheim, 14. Februar 2017

Einladung zu unserer Februar-/März-Umfrage

Sehr geehrte [REDACTED]

herzlichen Dank für Ihre Teilnahme am GESIS GesellschaftsMonitor. Heute möchten wir Sie gerne einladen, an unserer aktuellen Februar-/März-Umfrage teilzunehmen. Die Beantwortung der Fragen wird etwa 20 Minuten in Anspruch nehmen. Bitte schicken Sie uns den ausgefüllten Fragebogen wieder mit dem beiliegenden frankierten Rückumschlag zu.

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Mit freundlichen Grüßen

[REDACTED]

Prof. Michael Bosnjak und das gesamte Projektteam

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Prof. Dr. Christof Wolf
Postfach 12 21 55
68072 Mannheim



Erklärung zum Datenschutz und zur absoluten Vertraulichkeit Ihrer Angaben bei dem GESIS GesellschaftsMonitor

GESIS - Leibniz-Institut für Sozialwissenschaften arbeitet nach den Vorschriften des Bundesdatenschutzgesetzes (BDSG) und allen anderen anwendbaren datenschutzrechtlichen Bestimmungen.

Das gilt auch für die Wiederholungsbefragungen beim GESIS GesellschaftsMonitor, wo es wichtig ist, mehrere Befragungen mit derselben Person durchzuführen und die statistische Auswertung so vorzunehmen, dass die Angaben aus mehreren Befragungen durch eine Code-Nummer miteinander verknüpft werden. Auch hier gilt:

Es gibt keine Weitergabe von Daten, die Ihre Person erkennen lassen.

Die Ergebnisse werden - genauso wie bei Einmalbefragungen - ausschließlich **in anonymisierter Form** dargestellt. Das bedeutet: Niemand kann aus den Ergebnissen erkennen, von welcher Person die Angaben gemacht worden sind.

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Nach der Teilnahme an einer Befragung werden die Antworten in einer Datenbank gespeichert und zwar getrennt von den personenbezogenen Daten. Die Ergebnisse der Studie werden dann zu Forschungszwecken beispielsweise in Tabellen und Grafiken zusammengefasst. Das heißt, niemand erfährt, welche Antworten Sie persönlich gegeben haben.

Da es sich beim GESIS GesellschaftsMonitor um mehrere Befragungen handelt (Wiederholungsbefragungen), werden Befragungen durch eine Code-Nummer miteinander verknüpft. Ergebnisse werden nur in anonymisierter Form dargestellt. Niemand kann aus den Ergebnissen erkennen, von welcher Person die Angaben gemacht worden sind.

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Quadrat B2, 1
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Institutsleitung (Präsident): Prof. Dr. Christof Wolf

Betrieblicher Datenschutzbeauftragter: Harald Eul
E-Mail: datenschutz@gesis.org

b. Invitation Letter for Online Participants sent by Mail





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Mannheim, 14. Februar 2017

Einladung zu unserer Februar-/März-Umfrage

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Mit freundlichen Grüßen



Prof. Michael Bosnjak und das gesamte Projektteam

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Quadrat B2,
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Institutsleitung (Präsident): Prof. Dr. Christof Wolf

Betrieblicher Datenschutzbeauftragter: Harald Eul
E-Mail: datenschutz@gesis.org

Invitation E-Mail

Ihre neue Februar-/März -Umfrage 2017

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Ihr GESIS GesellschaftsMonitor Team

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c. First E-Mail Reminder

Erinnerung: Ihre neue Februar-/März -Umfrage 2017

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d. Second E-Mail Reminder

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