LORE
Laboratory of
Opinion Research

UNIVERSITY OF GOTHENBURG

Technical report
LORE Citizen Panel 46 – 2022

Title:
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LORE Citizen Panel 46
2022

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Introduction

The Citizen Panel

The Citizen Panel (Swedish: Medborgarpanelen – MP) is an online panel survey run by the Laboratory of Opinion Research (LORE), which is a part of the SOM-institute at the University of Gothenburg. Today, LORE is a research infrastructure for collecting data from online questionnaires, mainly for survey experiments and panel studies. An essential part of LORE is also to contribute to methodological development and testing in the area of web surveys. Each survey consists of a number of specific studies as well as a number of more general questions that are not included in a specific study. The design and content of these specific studies vary, but are mostly either survey experiments using random assignment or panel studies that span over several waves of the Citizen Panel.

Citizen Panel 46 (MP46)

- The panel was carried out between Wednesday May 25, 2022 and Wednesday June 15, 2022.
- Questionnaires were sent to 24 264 panelists of which of which 14 781 started the survey, and 12 947 made a complete response (AAPOR RR5: 53% Gross Participation Rate: 57%, Net Participation Rate: 61%).
- All in all, there were 7 studies included in Citizen Panel 46. In addition to participating in at least one of these studies, the median respondent was asked to answer 4 general questions.
- Respondents in the panel are recruited with both probability and non-probability based methods.

Fieldwork

Table 1: Field information

Name	Citizen Panel 46 (MP46)
No. of field days	22
Soft launch	Day 1: Wednesday May 25, 12:29, 2022
Main launch	Day 1: Wednesday May 25, 17:12, 2022
Reminder 1	Day 8: Wednesday 1 June, 07:00, 2022
Reminder 2	Day 16: Thursday 9 June, 10:30, 2022
Field end	Day 22: Wednesday June 15, 10:13, 2022

Figure 1: Number of responses / cumulative net participation rate (%) by field day
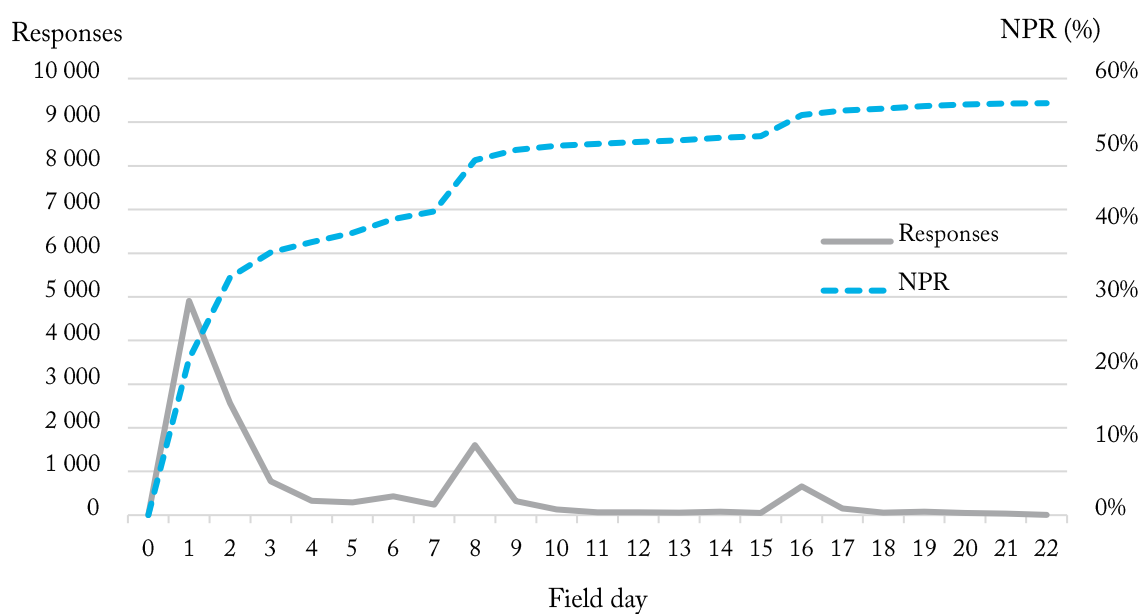
Summary, Citizen Panel 46

Table 2: General information, Citizen Panel 46

Sample type	Probability 14 % Non-probability: 86 %
Pre-stratification variables or other selection criteria	–
Age-frame	17+
Gross subsample size	24 264
Net subsample size	22 869
E-mail bounce backs or failed deliveries	1 395
Coverage rate/Absorption rate	94%
All responses (complete, partials and break-offs)	14 781
Complete responses; more than 80% item response	12 947
Partial responses; 50%-80% item response	941
Break-offs; less than 50% item response	893
AAPOR RR5	53%
AAPOR RR6 / Gross Participation Rate (GPR)	57%
Net Participation Rate (NPR)	61%
Computer device	35%
Mobile device	57%
Tablet device	8%

Table 3: Detailed information, Citizen Panel 46

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	54.86	53.00	25.23	14 781
Number of item responses	50.27	53.00	28.31	14 781
Item response rate	0.91	1.00	0.23	14 781
Item non-response rate	0.09	0.00	0.23	14 781
Minutes to answer, excluding outliers	8.44	7.64	4.36	13 848
Seconds per item, excluding outliers	11.08	9.17	16.89	13 658
Seconds per item including text-pages, excluding outliers	11.08	9.17	16.89	13 658
Minutes to answer, including outliers	10.11	7.93	19.24	14 779
Seconds per item, including outliers	12.61	9.51	26.61	14 588
Seconds per item including text-pages, including outliers	12.61	9.51	26.61	14 588
Seconds per item, speeders (time-use outliers)	2.61	2.72	0.44	64
Seconds per item, sleepers (time-use outliers)	37.60	26.20	82.27	866

Featured studies

Table 4: Featured studies in Citizen Panel 46

Study:	Title:	Responsible researcher(s):
Study 0	General questions[1]	LORE
Study 1	The LORE-panel	Johan Martinsson
Study 2	Collective action problems in water systems	Anna Bendz
Study 3	Risk communication and perception	Gabriella Sandstig
Study 4	Activation of Authoritarian Attitudes, wave 2	Mats Ekström
Study 5	Priorities within The Swedish Police Authority	Tobias Fläder
Study 6	Societal Readiness Index for Shared Autonomy	Sigma Dolins
Study 7	Word- and survey scale label experiment	Sebastian Lundmark & Amanda Ekström

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[1] General questions are variables not directly related to a specific study within the survey. Most of these are updated on a regular basis, often at least twice every year. Background variables like sex and education are included in this definition, treated as a sub-category.

Study 0: LORE - General questions

Table 5: General information on Study 0, General questions

Sample type	Probability 14 % Non-probability: 86 %
Pre-stratification variables or other selection criteria	
Age-frame	17+
Gross sample size (GSS)	24 264
Net sample size (NSS)	22 869
E-mail bounce backs or failed deliveries	1 395
Coverage rate/Absorption rate	94%
All responses (complete, partials and break-offs)	14 781
Complete responses; more than 80% item response	11 553
Partial responses; 50%-80% item response	2 136
Break-offs; less than 50% item response	1 092
AAPOR RR5	48%
AAPOR RR6 / Gross Participation Rate (GPR)	56%
Net Participation Rate (NPR)	60%
Computer device	35%
Mobile device	57%
Tablet device	8%

Table 6: Detailed information on Study 0, General questions

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	4.02	4.00	0.14	14 781
Number of item responses	3.52	4.00	1.11	14 781
Item response rate	0.88	1.00	0.27	14 781
Item non-response rate	0.12	0.00	0.27	14 781
Minutes to answer, excluding outliers	0.52	0.47	0.28	13 504
Seconds per item, excluding outliers	6.63	5.91	3.30	12 731
Seconds per item including text-pages, excluding outliers	6.63	5.91	3.30	12 731
Minutes to answer, including outliers	0.81	0.50	2.94	14 781
Seconds per item, including outliers	10.16	6.20	35.91	13 994
Seconds per item including text-pages, including outliers	10.16	6.20	35.91	13 994
Seconds per item, speeders (time-use outliers)	1.28	1.30	0.37	163
Seconds per item, sleepers (time-use outliers)	52.30	25.54	119.84	1 100

Study 1: Martinsson – The LORE-panel

Table 7: General information on Study 1, The LORE-panel

Sample type	Non-probability
Pre-stratification variables or other selection criteria	panelists
Age-frame	23+
Gross subsample size	5 411
Net subsample size	4 948
E-mail bounce backs or failed deliveries	463
Coverage rate/Absorption rate	91%
All responses (complete, partials and break-offs)	3 115
Complete responses; more than 80% item response	3 020
Partial responses; 50%-80% item response	4
Break-offs; less than 50% item response	91
AAPOR RR5	56%
AAPOR RR6 / Gross Participation Rate (GPR)	56%
Net Participation Rate (NPR)	61%
Computer device	41%
Mobile device	51%
Tablet device	8%

Table 8: Detailed information on Study 1, The LORE-panel

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	51.86	52.00	0.37	3 115
Number of item responses	50.17	52.00	8.16	3 115
Item response rate	0.97	1.00	0.16	3 115
Item non-response rate	0.03	0.00	0.16	3 115
Minutes to answer, excluding outliers	9.31	8.53	4.27	2 891
Seconds per item, excluding outliers	10.92	9.83	4.79	2 836
Seconds per item including text-pages, excluding outliers	10.92	9.83	4.79	2 836
Minutes to answer, including outliers	11.57	8.80	37.23	3 113
Seconds per item, including outliers	13.50	10.14	42.50	3 058
Seconds per item including text-pages, including outliers	13.50	10.14	42.50	3 058
Seconds per item, speeders (time-use outliers)	3.34	3.48	0.46	21
Seconds per item, sleepers (time-use outliers)	51.03	32.11	160.52	201

Study 2: Bendz – Collective action problems in water systems

Table 9: General information on Study 2, Collective action problems in water systems

Sample type	Probability 4 % Non-probability: 96 %
Pre-stratification variables or other selection criteria	sex, edu, age, residents in Göta Älv municipalities
Age-frame	17+
Gross subsample size	5 779
Net subsample size	5 391
E-mail bounce backs or failed deliveries	388
Coverage rate/Absorption rate	93%
All responses (complete, partials and break-offs)	3 669
Complete responses; more than 80% item response	3 218
Partial responses; 50%-80% item response	20
Break-offs; less than 50% item response	431
AAPOR RR5	56%
AAPOR RR6 / Gross Participation Rate (GPR)	56%
Net Participation Rate (NPR)	60%
Computer device	34%
Mobile device	58%
Tablet device	8%

Table 10: Detailed information on Study 2, Collective action problems in water systems

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	31.00	31.00	0.00	3 669
Number of item responses	27.53	31.00	9.10	3 669
Item response rate	0.89	1.00	0.29	3 669
Item non-response rate	0.11	0.00	0.29	3 669
Minutes to answer, excluding outliers	5.41	5.22	2.62	3 407
Seconds per item, excluding outliers	12.50	10.87	9.24	3 407
Seconds per item including text-pages, excluding outliers	12.50	10.87	9.24	3 407
Minutes to answer, including outliers	6.43	5.34	9.94	3 657
Seconds per item, including outliers	14.50	11.15	22.59	3 657
Seconds per item including text-pages, including outliers	14.50	11.15	22.59	3 657
Seconds per item, speeders (time-use outliers)	4.27	4.40	0.58	45
Seconds per item, sleepers (time-use outliers)	49.97	29.52	79.78	205

Study 3: Sandstig – Risk communication and perception

Table 11: General information on Study 3, Risk communication and perception

Sample type	Probability 16 %
	Non-probability: 84 %
Pre-stratification variables or other selection criteria	sex, edu, age
Age-frame	18-85
Gross subsample size	7 000
Net subsample size	6 570
E-mail bounce backs or failed deliveries	430
Coverage rate/Absorption rate	94%
All responses (complete, partials and break-offs)	3 395
Complete responses; more than 80% item response	3 273
Partial responses; 50%-80% item response	33
Break-offs; less than 50% item response	89
AAPOR RR5	47%
AAPOR RR6 / Gross Participation Rate (GPR)	47%
Net Participation Rate (NPR)	50%
Computer device	33%
Mobile device	59%
Tablet device	8%

Table 12: Detailed information on Study 3, Risk communication and perception

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	50.98	49.00	2.44	3 395
Number of item responses	49.50	49.00	7.30	3 395
Item response rate	0.97	1.00	0.14	3 395
Item non-response rate	0.03	0.00	0.14	3 395
Minutes to answer, excluding outliers	7.00	6.43	2.93	3 167
Seconds per item, excluding outliers	8.31	7.54	3.40	3 151
Seconds per item including text-pages, excluding outliers	8.31	7.54	3.40	3 151
Minutes to answer, including outliers	7.88	6.55	6.35	3 390
Seconds per item, including outliers	9.32	7.72	7.37	3 374
Seconds per item including text-pages, including outliers	9.32	7.72	7.37	3 374
Seconds per item, speeders (time-use outliers)	3.00	3.08	0.31	45
Seconds per item, sleepers (time-use outliers)	28.78	23.44	20.52	178

Study 4: Ekström - Activation and Articulation of Authoritarian Attitudes, wave 2

Table 13: General information on Study 4, Activation and Articulation of Authoritarian Attitudes, wave 2

Sample type	Non-probability
Pre-stratification variables or other selection criteria	sex, edu, age
Age-frame	18-85
Gross subsample size	2 830
Net subsample size	2 828
E-mail bounce backs or failed deliveries	2
Coverage rate/Absorption rate	100%
All responses (complete, partials and break-offs)	2 473
Complete responses; more than 80% item response	2 180
Partial responses; 50%-80% item response	10
Break-offs; less than 50% item response	283
AAPOR RR5	77%
AAPOR RR6 / Gross Participation Rate (GPR)	77%
Net Participation Rate (NPR)	77%
Computer device	33%
Mobile device	59%
Tablet device	9%

Table 14: Detailed information on Study 4, Activation and Articulation of Authoritarian Attitudes, wave 2

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	29.11	31.00	2.78	2 473
Number of item responses	25.10	30.00	9.32	2 473
Item response rate	0.87	0.97	0.31	2 473
Item non-response rate	0.13	0.03	0.31	2 473
Minutes to answer, excluding outliers	7.50	7.34	3.88	2 199
Seconds per item, excluding outliers	17.21	15.09	19.17	2 104
Seconds per item including text-pages, excluding outliers	17.21	15.09	19.17	2 104
Minutes to answer, including outliers	8.03	7.26	6.88	2 467
Seconds per item, including outliers	18.18	14.91	21.17	2 372
Seconds per item including text-pages, including outliers	18.18	14.91	21.17	2 372
Seconds per item, speeders (time-use outliers)	5.29	5.49	1.19	158
Seconds per item, sleepers (time-use outliers)	55.26	48.54	31.81	110

Study 5: Fläder – Priorities within the Swedish Police Authority

Table 15: General information on Study 5, Priorities within the Swedish Police Authority

Sample type	Probability
Pre-stratification variables or other selection criteria	sex, edu, age
Age-frame	19-85
Gross subsample size	2 000
Net subsample size	1 891
E-mail bounce backs or failed deliveries	109
Coverage rate/Absorption rate	95%
All responses (complete, partials and break-offs)	1 004
Complete responses; more than 80% item response	981
Partial responses; 50%-80% item response	4
Break-offs; less than 50% item response	19
AAPOR RR5	49%
AAPOR RR6 / Gross Participation Rate (GPR)	49%
Net Participation Rate (NPR)	52%
Computer device	35%
Mobile device	57%
Tablet device	8%

Table 16: Detailed information on Study 5, Priorities within the Swedish Police Authority

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	40.00	40.00	0.00	1 004
Number of item responses	18.29	19.00	2.77	1 004
Item response rate	0.46	0.47	0.07	1 004
Item non-response rate	0.54	0.52	0.07	1 004
Minutes to answer, excluding outliers	5.25	4.93	2.04	912
Seconds per item, excluding outliers	8.06	7.33	3.97	910
Seconds per item including text-pages, excluding outliers	8.06	7.33	3.97	910
Minutes to answer, including outliers	5.88	5.04	3.76	1 001
Seconds per item, including outliers	8.95	7.47	5.99	999
Seconds per item including text-pages, including outliers	8.95	7.47	5.99	999
Seconds per item, speeders (time-use outliers)	3.02	3.16	0.45	24
Seconds per item, sleepers (time-use outliers)	23.57	20.81	9.75	65

Study 6: Dolins – Societal Readiness Index for Shared Autonomy

Table 17: General information on Study 6, Societal Readiness Index for Shared Autonomy

Sample type	Non-probability
Pre-stratification variables or other selection criteria	sex, edu, age, residents in Stockholm and Gothenburg
Age-frame	26+
Gross subsample size	2 400
Net subsample size	2 395
E-mail bounce backs or failed deliveries	5
Coverage rate/Absorption rate	100%
All responses (complete, partials and break-offs)	2 099
Complete responses; more than 80% item response	2 030
Partial responses; 50%-80% item response	45
Break-offs; less than 50% item response	24
AAPOR RR5	85%
AAPOR RR6 / Gross Participation Rate (GPR)	86%
Net Participation Rate (NPR)	87%
Computer device	36%
Mobile device	55%
Tablet device	8%

Table 18: Detailed information on Study 6, Societal Readiness Index for Shared Autonomy

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	87.11	84.00	8.85	2 099
Number of item responses	85.13	84.00	12.99	2 099
Item response rate	0.98	1.00	0.11	2 099
Item non-response rate	0.02	0.00	0.11	2 099
Minutes to answer, excluding outliers	8.89	8.22	3.22	1 920
Seconds per item, excluding outliers	6.12	5.64	2.20	1 920
Seconds per item including text-pages, excluding outliers	6.12	5.64	2.20	1 920
Minutes to answer, including outliers	9.83	8.34	6.12	2 084
Seconds per item, including outliers	6.74	5.74	4.13	2 084
Seconds per item including text-pages, including outliers	6.74	5.74	4.13	2 084
Seconds per item, speeders (time-use outliers)	2.45	2.55	0.41	46
Seconds per item, sleepers (time-use outliers)	18.53	15.72	8.39	118

Study 7: Lundmark & Ekström – Word- and survey scale label experiment

Table 19: General information on Study 7, Word- and survey scale label experiment

Sample type	Non-probability
Pre-stratification variables or other selection criteria	–
Age-frame	23+
Gross subsample size	2 000
Net subsample size	1 806
E-mail bounce backs or failed deliveries	194
Coverage rate/Absorption rate	90%
All responses (complete, partials and break-offs)	1 059
Complete responses; more than 80% item response	922
Partial responses; 50%-80% item response	60
Break-offs; less than 50% item response	77
AAPOR RR5	46%
AAPOR RR6 / Gross Participation Rate (GPR)	49%
Net Participation Rate (NPR)	54%
Computer device	41%
Mobile device	50%
Tablet device	9%

Table 20: Detailed information on Study 7, Word- and survey scale label experiment

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	6.00	6.00	0.00	1 059
Number of item responses	4.90	5.00	1.31	1 059
Item response rate	0.82	0.83	0.22	1 059
Item non-response rate	0.18	0.17	0.22	1 059
Minutes to answer, excluding outliers	2.71	2.42	1.36	1 236
Seconds per item, excluding outliers	24.49	21.73	11.64	950
Seconds per item including text-pages, excluding outliers	24.49	21.73	11.64	950
Minutes to answer, including outliers	3.57	2.55	6.14	1 356
Seconds per item, including outliers	33.12	22.69	70.22	1 049
Seconds per item including text-pages, including outliers	33.12	22.69	70.22	1 049
Seconds per item, speeders (time-use outliers)	4.67	5.06	2.01	15
Seconds per item, sleepers (time-use outliers)	135.91	79.81	221.39	84

Glossary

AAPOR participation rate (RR5):	AAPOR Standard Definitions 2011 participation rate measure excluding partial responses (partials are defined as response with over 20 and less than 50 percent item nonresponse; calculation: RR5=(responses-partials)/GSS).
Background variables	Includes questions related to demographic or basic socio-economic factors such as age, education, household etc. These are regularly updated.
Break-offs	Type of nonresponse. Defined as responses with more than 50 percent item nonresponse, used when calculating AAPOR RR5.
Coverage rate/Absorption rate	The quotient of net and gross sample size (coverage=NSS/GSS). Coverage and absorption rate are synonyms describing this relation.
Date of reminders	Reminders are sent by email to those in the sample who have not yet completed the survey.
E-mail bounce backs	Due to automatic spam filters and similar services, or incorrect e-mail addresses, certain e-mails may result in a bounce back, i.e. a non-contact. Includes booth "hard" and "soft" bounce backs.
Field period	The field period is the time passed between the first and the last field day.
General variables (Study 0)	General variables are the variables that are not related to a specific study within the survey. Most of these are repeated on a regular basis, often at least twice every year. Background variables are included in this definition, treated as a sub-category.
Gross participation rate (GPR)	The quotient of responses and gross sample size (GPR=responses/GSS). Does not exclude partials. Corresponds to AAPOR RR6 and COMR.
Gross sample size (GSS)	Gross sample size is the number of potential participants in the initial sample.
Gross subsample size	Gross subsample size is the number of potential participants assigned to a specific study in the initial sample.
Item non-response rate	Calculated by subtracting the item response rate from one (1-item response rate).
Item response rate	Calculated by dividing the number of item responses with the number of received/applicable items.
Net participation rate (NPR)	The quotient of responses and net sample size (NPR=responses/NSS). Does not exclude partials.
Net sample size (NSS)	Net sample size is the number of potential participants in the initial sample, excluding e-mail bounce backs (NSS=GSS-bounce backs).
Net subsample size	Net subsample size is the number of potential participants assigned to a specific study in the initial sample, excluding e-mail bounce backs within that subsample.
Partial response	Defined as responses with more than 20 and less than 50 percent item nonresponse (less than 80% of the questions answered), used when calculating AAPOR RR5.
Number of received/applicable items	The number of questions the participant received in the survey or would have received if the participant finished the survey.
Responses	The number of surveys completed by a participant that are registered on the last field day.
Study	A study is a featured specific study, e.g. an experiment, or a set of panel questions with a specific purpose, or some other kind of specific and delimited study.
Text-pages	Pages in the survey where no questions are asked, i.e. text-only.
Time-use outliers, speeders	A respondent is defined as a speeder if it the mean time-use per question/item is less than the first quartile minus half the interquartile range ($Q1 - 0.5 \times IQR$).
Time-use outliers, sleepers	A respondent is defined as a sleeper if it the mean time-use per question/item is more than the third quartile plus 1.5 times the interquartile range ($Q3 + 1.5 \times IQR$).

The Laboratory of Opinion Research (LORE) is an academic web survey center located at the SOM-institute at the University of Gothenburg. The objective of the Laboratory of Opinion Research is to facilitate for scientists to conduct web survey experiments, collect panel data, and to contribute to methodological development. For more information, please contact us at:

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