



The German Longitudinal Environmental Study (GLEN)

Codebook Recruitment Survey
Survey mode: CAWI, PAPI
2024

Release 1.0
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Preface

Notation

The following information is included for each question:

- Variable name(s)
- Question text and, if applicable, instructions for completion
- Response format; at the end of the question, special features in the answer format are noted, for example, mandatory responses, permitted value ranges for open entries and dropdown menus
- Filters

Differences by survey mode

The survey was administered in both an online format and a paper-and-pencil format (“PAPI”: paper and pencil interview). In developing the questionnaire, efforts were made to minimize differences between the survey modes. The survey mode is given by the variable `intmode` with (`intmode = 1`) for CAWI and (`intmode = 2`) for PAPI.

Any deviations that were necessary are documented in the codebook:

- Questions asked only in one mode are indicated in the filter.
- Items present only in the PAPI questionnaire are printed in **green**. Items only available in CAWI mode are printed in **blue**.

Question display

The presentation of questions in the codebook is not identical to the respondents’ view of the questionnaire. For an impression of the questionnaire layout, please refer to the screenshots of the web based questionnaire and the PDF version of the paper questionnaire available on the GLEN website.

All questions were programmed with responsive design, meaning that scales are displayed differently on large and small screens. On large screens, most scales are displayed horizontally, while on small screens (for example, smartphones) they appear vertically. Item batteries are split into single items on small screens with answer scales displayed vertically.

Codebook

1. consent1

CAWI

Welcome to "Quality of Life and Environment"! We are delighted that you're participating in this survey.

This study is conducted by the universities of Munich, Kaiserlautern, and Leipzig. Our research concerns how people in Germany live, what concerns them, and what they hope for the future.

Before you get started:

- There are no right or wrong answers. It is your personal opinion that matters!
- Participation is voluntary. Your responses will be treated with strict confidentiality and evaluated only in anonymized form. The results cannot be traced back to you.
- Please do not use your browser's "Back" button, as this may cause technical issues.
- You can pause the survey at any time and continue later. To continue, visit www.lum-studie.de, click on "Participate now" and enter your participation code from the letter. Please keep your participation code safe.

Information about the processing of your personal data can be found here [link to the LUM data protection page] and in the data protection leaflet you received by mail. By giving your consent to participate in the study "Lebensqualität und Umwelt", you agree to the processing of your data.

I consent to the processing of my data and would like to participate in the survey.
☐ 1

Thank you for your support!
The LUM Study Team

PAPI

Dear participant, We are delighted that you're participating in this survey.

This study is conducted by the universities of Munich, Kaiserlautern, and Leipzig. Our goal is to understand how people in Germany live, what concerns them, and what they hope for the future.

Before you get started:

- There are no right or wrong answers. It is your personal opinion that matters!
- Participation is voluntary. Your responses will be treated with strict confidentiality and evaluated only in anonymized form. The results cannot be traced back to you.
- By participating in the survey, you consent to the processing of your personal data. For more information, please visit www.lum-studie.de or refer to the enclosed data protection leaflet.
- Please complete the questionnaire within the next two weeks if possible.
- You can either fill out the questionnaire online or on paper. If you have already completed the online survey, there is nothing else you need to do.

How it works:

- Please mark the box next to the answer that best applies to you.
Example: Yes ☒ No ☐
- Please complete open fields by hand, in block letters
Example: Country:
- For dates, please fill in all boxes completely.
Example: Month: Year:

Do you have any questions?

You can reach us free of charge at 0800 100 14 25 or by e-mail (LUM@veriangroup.com).

Thank you for your support!
The LUM Study Team

2. val1

How important are the following areas in your life?

- val1i1 Family
- val1i2 Friends
- val1i3 Free time
- val1i4 Work, vocational training, studies
- val1i5 Religion

- Not important at all ☐ 1
- Not important ☐ 2
- Neutral ☐ 3
- Quite important ☐ 4
- Very important ☐ 5

3. sat1

All in all, how satisfied are you with your life at the moment?

- | | | | | | | | | | | | | |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|
| Not at all satisfied | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Very satisfied |
| | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |

4. area1

When you think about the place you live, how true are the following statements?

- area1i1 There are good shopping facilities.
- area1i2 People here are dependent on a car.
- area1i3 There is a good range of free time activities.
- area1i4 Healthcare services are good.
- area1i5 We have a lot of green space.
- area1i6 There are plenty of job opportunities.

- Not true at all ☐ 1
- Not true ☐ 2
- Neutral ☐ 3
- True ☐ 4
- Completely true ☐ 5

5. area2

To what extent do you feel like you belong in the place you live?

- Not at all ☐ 1
Slightly ☐ 2
Neutral ☐ 3
Quite ☐ 4
Very ☐ 5

6. home1

Do you or your family own the home you live in?

- Yes ☐ 1
No, I rent my home ☐ 0

7. home2

Do any other people live in your household?

- Yes, __ other people
No, I live alone ☐ 0

Response format: Dropdown menu: 1; 2; ...; 10; more than 10

8. econ1

How would you describe your current financial situation?

- Poor ☐ 1
Fair ☐ 2
Neutral ☐ 3
Very good ☐ 4
Excellent ☐ 5

9. mob1

The following questions are about your everyday life.

How often do you currently use the following modes of transport?

Please think about the past 4 weeks, excluding any time spent on vacation.

- mob1i1 Car (including as a passenger)
- mob1i2 E-bike
- mob1i3 Bicycle
- mob1i4 E-scooter
- mob1i5 Train / bus in the city and region
- mob1i6 Train / long-distance bus for longer journeys

- (Almost) daily ☐ 1
- Several times a week ☐ 2
- Once a week ☐ 3
- Several times a month ☐ 4
- Less often ☐ 5
- (Almost) never ☐ 6

10. web1

Do you have internet access at home?

This includes devices such as computers with internet access, smartphones, and tablets.

- Yes ☐ 1
- No ☐ 0

11. web2

Have you used the internet for private purposes in the past week?

Please consider any use, whether at home or on the go.

- Yes ☐ 1
- No ☐ 0

12. lsr1

How often have you engaged in the following activities during your free time in the past 4 weeks?

- lsr1i1 Visiting cafés, bars, or restaurants
- lsr1i2 Going to the movies, concerts, or the theater
- lsr1i3 Watching TV, movies, series, or videos
- lsr1i4 Volunteering
- lsr1i5 Using social online networks (e.g., Facebook, Instagram)
- lsr1i6 Ordering products online
- lsr1i7 Sports, exercise

- (Almost) daily ☐ 1
- Several times a week ☐ 2
- Once a week ☐ 3
- Several times a month ☐ 4
- Less often ☐ 5
- (Almost) never ☐ 6

13. hlt1

All in all, how would you describe your general health over the past 4 weeks?

- Bad ☐ 1
- Not so good ☐ 2
- Satisfactory ☐ 3
- Good ☐ 4
- Very good ☐ 5

14. hlt2

To what extent have you felt burdened by the following in your neighborhood in the past 4 weeks?

- hlt2i1 Air pollution
- hlt2i2 Noise

- Not at all ☐ 1
- Slightly ☐ 2
- Neutral ☐ 3
- Quite ☐ 4
- Very ☐ 5

15. att1

Now let's move on to social issues.

How about the following areas? Are you currently concerned about them?

- att1i1 Economic development in Germany
- att1i2 Environmental protection
- att1i3 The impacts of climate change
- att1i4 Wars
- att1i5 Crime, public safety
- att1i6 Immigration to Germany

- Not at all concerned ☐ 1
- Slightly concerned ☐ 2
- Somewhat concerned ☐ 3
- Quite concerned ☐ 4
- Very concerned ☐ 5

16. att2

Are you concerned about any other issues? Please enter them here.

17. att3

And regarding the environment: How concerned are you about the following issues in Germany?

- att3i1 Loss of biodiversity
- att3i2 Forest conditions
- att3i3 Soil, water, and air pollution
- att3i4 Plastic waste and microplastics in nature
- att3i5 Soil sealing
- att3i6 Water scarcity

- Not at all concerned ☐ 1
- Slightly concerned ☐ 2
- Somewhat concerned ☐ 3
- Quite concerned ☐ 4
- Very concerned ☐ 5

18. pol1

How interested are you in politics in general?

- | | |
|------------------|----------------------------|
| Not at all | ☐ 1 |
| Slightly | ☐ 2 |
| Neutral | ☐ 3 |
| Quite | ☐ 4 |
| Very | ☐ 5 |

19. pol2

Which party would you vote for if there was a federal election next Sunday?

This refers to which party you would give your second vote to.

- | | |
|--|-----------------------------|
| SPD | ☐ 1 |
| CDU / CSU | ☐ 2 |
| Bündnis 90 / Die Grünen | ☐ 3 |
| FDP | ☐ 4 |
| Die Linke | ☐ 5 |
| AfD | ☐ 6 |
| Bündnis Sahra Wagenknecht (BSW) | ☐ 7 |
| Other party, namely: _____ (pol2o) | ☐ 8 |
| I would not vote | ☐ 9 |
| I am not eligible to vote | ☐ 10 |
| Undecided / don't know | ☐ -1 |

20. att4

People have different views on climate change. We are interested in your opinion. To what extent do you agree with the following statements?

- | | |
|--------|---|
| att4i1 | The evidence for climate change is unreliable. |
| att4i2 | Climate change is just a natural fluctuation in the earth's temperatures. |
| att4i3 | Too much fuss is being made about climate change. |
| att4i4 | Trying to solve climate change is a waste of time. |
| att4i5 | New technologies will prevent a climate catastrophe. |

- | | |
|-------------------------|----------------------------|
| Strongly disagree | ☐ 1 |
| Disagree | ☐ 2 |
| Neutral | ☐ 3 |
| Agree | ☐ 4 |
| Strongly agree | ☐ 5 |

21. sat2

All things considered, how satisfied are you with democracy as it exists in Germany?

Not at all satisfied 0 1 2 3 4 5 6 7 8 9 10 Very satisfied
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

22. pol3

Let's turn to policy measures on environmental and climate protection. What is your opinion of the following interventions?

- pol3i1 Ban on new cars with combustion engines from 2035 onwards
- pol3i2 Permanently free use of public transport, funded by tax revenue
- pol3i3 More wind turbines, including near your place of residence *[PAPI: More wind turbines, even if they will be located near where you live]*
- pol3i4 Measures against extreme weather events (for example, flood protection, heat protection)
- pol3i5 Increase of the carbon price on fuels, heating oil, and natural gas. The revenue will be used for climate and environmental policy.
- pol3i6 Increase of the carbon price on fuels, heating oil, and natural gas. The revenue will be fully redistributed to all citizens.

Strongly opposed ☐ 1
 Somewhat opposed ☐ 2
 Neutral ☐ 3
 Somewhat in favor ☐ 4
 Strongly in favor ☐ 5

 No opinion ☐ -1

23. att5

To what extent do you agree with the following statements?

- att5i1 I find the constant demand to live in an environmentally conscious way to be unreasonable.
- att5i2 It would only be fair if those who have more contribute the most to tackling the climate crisis.

Strongly disagree ☐ 1
 Disagree ☐ 2
 Neutral ☐ 3
 Agree ☐ 4
 Strongly agree ☐ 5

24. dob

Now we would like to collect some of your personal information. This helps us to ensure that our study provides an accurate picture of everyone living in Germany.

When were you born?

Month: _____ (dobm)

Year: _____ (doby)

Response format: Dropdown menus: dobm: January; ...; December; doby: 2010; 2009; ...; 1912 (descending)

25. sex

What is your gender?

Female ☐ 1

Male ☐ 2

Diverse, other ☐ 3

26. job1

Are you currently employed?

Yes ☐ 1

No ☐ 0

27. sde1

What is the highest education qualification you have obtained?

Please classify foreign certificates according to their equivalent German qualification.

Still in school ☐ 1

Left school without graduating ☐ 2

Lower secondary school certificate (e.g., Hauptschule, Volksschule, or equivalent) . ☐ 3

Polytechnic secondary school certificate (GDR, 8th or 9th grade completion) ☐ 4

Polytechnic secondary school certificate (GDR, 10th grade completion) ☐ 5

Intermediate secondary school certificate (e.g., Realschule or equivalent) ☐ 6

Entrance qualification for a university of applied sciences (Fachhochschulreife) ☐ 7

General or subject-specific university entrance qualification (Abitur, EOS in the GDR) ☐ 8

Another qualification, namely: _____ (sde1o) ☐ 9

28. sde2

Which vocational qualifications have you obtained?

Please list all qualifications.

Please classify foreign qualifications according to their equivalent German qualification.

- sde2i1 No vocational qualification (yet)
- sde2i2 Company-based vocational training / apprenticeship
- sde2i3 School-based vocational training (for example, vocational school, early childhood education training)
- sde2i4 Qualification from a technical, master craftsman or technician school, dual university, administrative, business or specialized academy
- sde2i5 Degree from a university of applied sciences or Fachhochschule
- sde2i6 Degree from a university
- sde2i7 Another vocational qualification, namely: _____ (sde2i7o)

Mentioned ☐ 1

Not mentioned ☐ 0

Response format: sde2i1 cannot be combined with other responses

29. sde3

Which university degree(s) do you hold?

Please indicate all degrees you have obtained.

- sde3i1 Bachelor
- sde3i2 Master, diploma, magister, state examination
- sde3i3 Doctorate / PhD

Mentioned ☐ 1

Not mentioned ☐ 0

Filter: Respondents with a university degree (sde2i5 = 1 | sde2i6 = 1)

30. sde4

Which citizenship(s) do you hold?

If you have multiple citizenships, please indicate all of them.

German citizenship only ☐ 1

German citizenship and others, namely: _____ (sde4o2) ☐ 2

Other citizenship(s), namely: _____ (sde4o31) ☐ 3

[CAWI: and _____ (sde4o32)] ☐ 3

None, stateless ☐ 4

Response format: Dropdown menus: ISO country list (196 countries, based on the list of states by the Federal Statistical Office, as of 2024)

31. sde5

Were you born in Germany?

- Yes *[PAPI: → Continue with question 33 [sde7]]* ☐ 1
No *[PAPI: → Continue with question 32 [sde6]]* ☐ 0

32. sde6

In which country were you born?

Please provide the current name of the country.

Response format: Dropdown menu: ISO country list (196 countries, based on the directory of states by the Federal Statistical Office, as of 2024)

Filter: Respondents not born in Germany (sde5 = 0)

33. sde7

Where in Germany were you born?

- Western Germany, old federal states (including West Berlin) . ☐ 1
Eastern Germany, new federal states, GDR ☐ 2
Former German territories until 1945 ☐ 3

Filter: Respondents born in Germany (sde5 = 1)

34. sde8

Was your father born in Germany?

- Yes ☐ 1
No ☐ 0
Don't know ☐ -1

35. sde9

Was your mother born in Germany?

- Yes ☐ 1
No ☐ 0
Don't know ☐ -1

36. consent2

Now we have a request for you:

Our study includes further surveys in the future. We would like to keep your address on file to invite you to participate in future survey.

You will receive a monetary thank-you gift for each survey.

We will use your *[CAWI: data][PAPI: address]* only for the “Quality of Life and Environment” study, for example, to invite you to our surveys. For each invitation, you can decide whether or not to participate. Participation is voluntary and can be withdrawn at any time without giving a reason. Further information can be found *[CAWI: here on our website][PAPI: on the website www.lum-studie.de and in the enclosed information sheet]*. *[CAWI: Your participation is very important to our study.]*

May we invite you to further surveys of the LUM study?

Yes ☐ 1
No ☐ 0

Response format: Mandatory answer

37. consent3

Are you sure that you no longer want to participate in the LUM study?

Your continued participation is very important for our scientific study.

If you do not give your consent, we will not be able to invite you to further surveys.

You will receive a monetary thank-you gift for each survey.

We treat your data with strict confidentiality. We use your contact data only for the “Quality of Life and Environment” study. For each invitation, you can decide whether or not to participate. Participation is voluntary and can be withdrawn at any time without giving a reason.

Further information can be found on our website.

Please support our study. Your opinion matters to us!

May we invite you to further surveys of the LUM study?

Yes ☐ 1
No ☐ 0

Filter: Only CAWI; respondents who did not provide panel consent (intmode = 1 & consent2 = 0)

38. consent4

We would like to send you e-mail invitations to future LUM study surveys.

Your e-mail address will be stored separately from the survey data, so no connection to your survey answers can be made.

We will use your e-mail address exclusively to invite you to participate in upcoming surveys and to keep you informed about the study.

Please provide an e-mail address where we can best reach you.

E-mail address: _____ ☐ 1

E-mail address (repeat): _____

I do not want to provide an e-mail address ☐ 2

Filter: Only CAWI; respondents who provided panel consent (intmode = 1 & (consent2 = 1 | consent3 = 1))

39. surv1

[CAWI: We are now almost at the end of the survey.]

How did you like the survey?

The questionnaire was ...

surv1i1 Interesting

surv1i2 Long

surv1i3 Difficult

Strongly disagree ☐ 1

Disagree ☐ 2

Neutral ☐ 3

Agree ☐ 4

Strongly agree ☐ 5

40. surv2

Is there anything else you would like to add?

41. int

Please enter today's date.

__ . __ . ____ (intd. intm. inty)

Filter: Only PAPI (intmode = 2)

CAWI

[If no panel consent (consent2=0):

We sincerely thank you for your participation.

We have now reached the end of the questionnaire.

You may now close this window.]

[If panel consent given but no e-mail address ((consent2=1 | consent3=1) & consent4≠1):

We sincerely thank you for your participation in the first survey of the LUM study.

What happens next?

We will contact you again in early 2025 and invite you to a short survey. This will only take a few minutes, and you will receive a thank-you gift.

We look forward to welcoming you again for this survey.

You may now close this window.]

[If panel consent given and e-mail address provided ((consent2=1 | consent3=1) & consent4=1):

We sincerely thank you for your participation in the first survey of the LUM study.

Please do not forget to confirm your e-mail address. We have just sent you an e-mail for this purpose.

If you did not receive an e-mail from umfrage@lum-studie.de, please check your spam folder. The e-mail may take a few minutes to arrive. Contact us at 0800 / 100 14 25 or by e-mail at umfrage@lum-studie.de if you did not receive the e-mail.

What happens next?

We will contact you again at the beginning of 2025 and invite you to a short survey. This will only take a few minutes, and you will receive a thank-you gift.

We look forward to welcoming you again for this survey.

You may now close this window.]

PAPI

We sincerely thank you for your participation.

Please send the completed questionnaire back to Verian in the enclosed envelope. We will, of course, cover the postage costs for you.