


# Release 1 Codebook

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Harmonizer 0.5.17. Harmonization rules unchanged from 0.5.15, validated on 16 October 2026.

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# 1 How to use this codebook

Release 1 brings together 40 core questions from seven national election studies. Some questions produce more than one variable, such as a recoded version and a version on a 0-1 scale. This codebook explains the variables, response categories and study coverage.

You can include any of the seven supported studies. Download their original files and run the code on your own computer; respondent data stay local.

Click a variable name in Appendix A or use the PDF bookmarks to open its description. The coverage table shows which studies include each variable.

## Naming and interpretation

_01 identifies an output on a 0-1 range. The direction is stated explicitly for each output; a high value is not uniformly positive or pro-democratic.

_rec identifies a variable recoded to common categories or scale positions. Some recoded values are fractional, so they are not always whole numbers.

_cses or a CSES D-number identifies an output aligned to the relevant CSES scales. It does not establish identical question wording, fieldwork or measurement.

_object identifies a separate rating for each party or leader included in a study.

Each ms_ variable shows whether the matching value is valid or why it is missing. For example, ms_age_years describes age_years. Recoded and 0-1 versions have separate ms_ variables.

## Comparability

The source surveys may ask questions differently, at different times or to different groups of respondents. Check the notes before comparing studies. If a source answer cannot be converted reliably to the common coding, its harmonized value is left missing.

The separate user guide covers downloads and execution. Consult the original NES documentation for full question wording, fieldwork and weighting methodology.

# 2 Studies and supported sources

Study abbreviations are used throughout. The code checks each input file's checksum (its digital fingerprint) and expected structure.

| Short name and study ID | Supported source |
|---|---|
| BES<br>GBR_BES_2019 | 2019 BES Post-Election Random Probability Survey v1.3.0 |
| GLES<br>DEU_GLES_2021 | ZA7701 v2.1.0 full release |
| ANES<br>USA_ANES_2020 | ANES 2020 Time Series Study Full Release; codebook 2022-02-10 |
| ITANES<br>ITA_ITANES_2022 | Itanes2022_POST_release 01_weighted |
| DPES<br>NLD_DPES_2023 | DPES 2023 representative integrated LISS+I&O dataset; documentation v2.0 (March 2025) |
| POLNES<br>POL_POLNES_2023 | POLNES 2023 released dataset described by 2025 English codebook |
| Selects<br>CHE_SELECTS_2023 | Selects2023_PES_v2.0 |

ANES uses the full release associated with the 10 February 2022 codebook. DPES uses the representative integrated LISS + I&O file. POLNES has no complete explicit release label in the supplied metadata; the inspected file is identified by its checksum and source signature. Selects is the 2023 post-election survey v2.0. A renamed or resaved .dta file can differ from

the inspected bytes.

### Source references

BES: bes_rps_2019_doc_1.3.0.pdf | https://doi.org/10.5255/UKDA-SN-8875-1

GLES: ZA7701_cdb_en.pdf | https://doi.org/10.4232/1.14169

ANES: anes_timeseries_2020_userguidecodebook_20220210.pdf | https://electionstudies.org

ITANES: Itanes 2022 Study Description Release 01; weight instructions Release 01 | https://doi.org/10.13130/RD_UNIMI/JV77WR

DPES: Codebook DPES 2023 complete version 2.0 | https://doi.org/10.17026/SS/D62YTH

POLNES: polnes_2023_codebook_english.pdf

Selects: Selects2023_PES_v2.0 Dataset Description dated 2025-11-04

# 3 Output files and record structure

| Combined file | One row represents | Columns |
|---|---|---|
| CNES_R1_respondent_main.dta | Respondent | 187 |
| CNES_R1_party_ptv.dta | Respondent and party | 8 |
| CNES_R1_party_liking.dta | Respondent and party | 8 |
| CNES_R1_leader_liking.dta | Respondent and leader | 8 |

The complete main file contains 187 variables: four identifiers, 58 harmonized variables, their 58 missing-status variables, four support variables and 63 original weight or survey-design variables. If you include only some studies, only their weight and survey-design variables are retained.

Each battery table has eight columns: cnes_case_id, cnes_study_id, entity_key, entity_label, two harmonized ratings and their two missing-status companions. The battery files do not repeat country_iso3 or election_year; those can be obtained from the main file using cnes_case_id.

National construction files are stored in national_intermediates/. The four comparative files above are the final outputs. The main file is unique on cnes_case_id; each battery file on cnes_case_id and entity_key. Every battery case links to the main file. entity_key is specific to its study and battery; identical keys can refer to different entities.

Battery tables are appended separately. Merging several battery tables only on cnes_case_id can multiply records; choose the relevant battery and respect its respondent-entity unit of observation. Unsupported batteries contribute no artificial entity rows. Geographic and questionnaire eligibility can also make the number of rows differ across respondents.

# 4 Identifiers and support variables

| Variable | Definition |
|---|---|
| cnes_case_id | Study identifier + colon + original respondent identifier. Unique across all included studies. |
| cnes_study_id | One of the seven study identifiers listed in section 2. |
| country_iso3 | Three-character study-country code: GBR, DEU, USA, ITA, NLD, POL or CHE. |
| election_year | National election year: 2019, 2020, 2021, 2022 or 2023. |

| Variable | Coding and interpretation |
|---|---|
| age_topcoded | 0 = not top-coded; 1 = top-coded. ANES age 80 denotes 80 or older. Proper missing when the flag cannot be established. |
| hhinc_form | String amount or band for the selected income path; empty string when not established. Interpret household_income_cses jointly with study and form. |

| Variable | Coding and interpretation |
|---|---|
| occupation_isco08_major | Broad ISCO-08 group (0-9). This may be known even when the detailed two-digit code is unavailable. An empty string means no group is available. |
| born_in_study_country | 1 = born in the study country; 0 = born abroad. This may be known even when a detailed country code is unavailable. Missing if this cannot be determined. |

These four support variables help interpret the harmonized responses and do not count among the 40 core questions. Other source-routing and quality-control fields are not included in the standard respondent files. Support variables do not have ms_ fields.

# 5 Missing values

Missing numeric answers are stored as Stata missing (.). Missing text answers are empty strings. Original nonresponse codes are replaced by missing values; the reason is recorded in the matching ms_ variable (CNES_MS_R1).

| Code | Attached label | Interpretation |
|---|---|---|
| 0 | Valid | Substantive harmonized value is present. |
| 1 | Do not know | Documented do-not-know response. |
| 2 | Refusal | Documented refusal or prefer-not-to-answer response. |
| 3 | Other/technical nonresponse | Other or unspecified nonresponse, including an empty or invalid response, interview breakoff or technical missingness. |
| 4 | Inapplicable | Structural missingness, not asked, routed out or outside the target universe. |
| 5 | Unharmonizable | A source response exists but cannot support this output defensibly. |
| 6 | Study gap | The selected concept/output is genuinely unavailable in that study. |

A missing substantive value has an ms_ code explaining the reason. Code 0 means a valid value is present; codes 1-6 mean the value is missing.

If a variable is unavailable in a study, its values are missing and its ms_ code is 6. When a party or leader rating battery is unavailable, no rows are created for it. Questionnaire filters can also exclude respondent-party or respondent-leader combinations. An absent row never means a rating of zero.

Use the ms_ field belonging to the exact variable you analyse. Two versions of a concept may differ: climate_salience_01 is available in more studies than climate_importance_rec, so their missing-status codes can differ.

# 6 Coverage at a glance

✓ = available in the harmonized data; ✗ = unavailable. Availability does not mean that every respondent has a valid answer. Differences between versions of a concept are explained below the table.

| Concept | BES | GLES | ANES | ITA | DPES | POL | CHE |
|---|---|---|---|---|---|---|---|
| 01 Turnout | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 Vote choice | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 Party identification | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 Party identification party | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 Party identification strength | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 Party propensity to vote | ✓ | ✓ | ✗ | ✗ | ✓ | ✗ | ✓ |
| 07 Party liking | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ |

| Concept | BES | GLES | ANES | ITA | DPES | POL | CHE |
|---|---|---|---|---|---|---|---|
| 08 Leader liking | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✗ |
| 09 Political interest | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 Left right self placement | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 Subjective political understanding | ✓ | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 12 External political efficacy | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✗ |
| 13 Influence of voting | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 14 Preference for democracy | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| 15 Satisfaction with democracy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 Trust in government | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 Government performance | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 Election fairness | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 Retrospective national economy | ✓ | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 20 Retrospective household finances | ✓ | ✗ | ✓ | ✗ | ✗ | ✓ | ✓ |
| 21 Income redistribution | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| 22 Taxes and public services | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✗ |
| 23 Immigration and the economy | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✗ |
| 24 Immigration and national culture | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✗ |
| 25 Abortion restrictions | ✗ | ✗ | ✓ | ✓ | ✗ | ✓ | ✗ |
| 26 Gender equality measures | ✗ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |
| 27 Majority will and minority rights | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✗ |
| 28 Climate change importance and priority | ✗ | ✓ | ✓ | ✗ | ✓ | ✓ | ✗ |
| 29 Most important issue | ✓ | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ |
| 30 Gender | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 31 Age | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 32 Education | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 33 Main activity | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 34 Occupation | ✗ | ✓ | ✗ | ✗ | ✗ | ✓ | ✓ |
| 35 Household income | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 36 Religion | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 37 Religious attendance | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 38 Marital status | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 39 Country of birth | ✗ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 40 Union membership | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

The personal-importance climate recode is available only in GLES and ANES. Support variables can retain broader information when the corresponding harmonized output is unavailable; see the variable notes.

# 7 Harmonized variables

Each box gives a variable's names, coding and interpretation. Coverage by study is shown in section 6. Each ms_ field explains missing values. Scale anchors show the endpoints; intermediate values may also occur.

Open the clickable variable index (Appendix A)

## 01 Turnout

Whether the respondent cast a ballot in the most recent national lower-house election.

File: respondent_main | Universe: Eligible respondents asked turnout

`turnout_last_lowerhouse`

| Value | Label |
|---|---|
| 0 | Did not vote |
| 1 | Voted |

Missing: ms_turnout_last_lowerhouse | double %12.0g

**BES** B01
**GLES** q111
**ANES** V202080
**ITANES** Q10LHa
**DPES** V160
**POLNES** Q10LH_A
**Selects** f11100

**Interpretation** Source-reported turnout. Ineligible and routed respondents remain missing, not nonvoters.

## 02 Vote choice

Party or list choice in the national lower-house election.

File: respondent_main | Universe: Voters asked party/list choice

`vote_choice_lh_party`

| Value | Label |
|---|---|
| String | Study-specific labels or released text; fixed dictionaries in Appendix B |

Missing: ms_vote_choice_lh_party | strL %9s

**BES** B02
**GLES** q114ba; q114bb
**ANES** V202111x; provenance inputs V201039, V201040, V202081, V202082
**ITANES** vote_post; refinement inputs Q10LHb2, Q10LH_d05; provenance/routing inputs Q10LHb, Q10LHc, Q10LH_d01, Q10LH_d02, VOTO_B
**DPES** V163
**POLNES** Q10LH_B
**Selects** f11800rec; f11800main6; f11800ZH; f11800TI; f11800GE

**Interpretation** Party/list vote is selected in multi-vote systems. National party, coalition, other and invalid-ballot labels are retained. No shared party-family coding.

## 03 Party identification

Whether the respondent reports attachment to a political party.

File: respondent_main | Universe: Respondents in the selected source-item universe

party_id_any

| Value | Label |
|---|---|
| 0 | Party identification/attachment: no |
| 1 | Party identification/attachment: yes |

Missing: ms_party_id_any | double %36.0g

**BES** Q15_CSES
**GLES** q120
**ANES** V202441
**ITANES** Q23a
**DPES** S110
**POLNES** Q23_A
**Selects** f14000

**Interpretation** Uses the direct attachment item. National wording varies between closeness, leaning and adherence; attachment is not inferred from vote choice.

## 04 Party identification party

The party to which the respondent feels attached, closest or aligned.

File: respondent_main | Universe: Documented primary attachment route

party_id_party

| Value | Label |
|---|---|
| String | Study-specific labels or released text; fixed dictionaries in Appendix B |

Missing: ms_party_id_party | strL %9s

**BES** Q17_CSES; Q15_CSES
**GLES** q122a; q122b; q120
**ANES** V201228
**ITANES** Q23c; Q23a
**DPES** S113; S113_other; S110
**Selects** f14000; f14010rec; f14010main6

**Interpretation** Respects primary attachment routing. ANES retains Independent and No preference as documented non-party outcomes.

## 05 Party identification strength

Strength or closeness of the reported party attachment.

File: respondent_main | Universe: Documented attachment-strength route

### party_id_strength_01

| Anchor | Label |
|---|---|
| 0 | weak/not very close |
| 1 | strong/very close |

Missing: ms_party_id_strength_01 | double %10.0g

### party_id_strength_rec

| Value | Label |
|---|---|
| 1 | Very close/strong |
| 2 | Somewhat/fairly close or intermediate |
| 3 | Not very close/strong |

Missing: ms_party_id_strength_rec | double %37.0g

**BES** Q18_CSES
**GLES** q123
**ANES** V202444
**ITANES** Q23d
**DPES** S111
**POLNES** Q23_D
**Selects** f14070

**Interpretation** The two outputs have opposite numeric directions. DPES asks strength of conviction as an adherent, rather than literal closeness.

## 06 Party propensity to vote

Propensity to vote for each party in the study-specific battery.

File: party_ptv | Universe: Respondent-object pairs in the administered battery universe

### party_ptv_object_01

| Anchor | Label |
|---|---|
| 0 | certainly never/very unlikely to vote for the party |
| 1 | certainly/very likely to vote for the party |

Missing: ms_party_ptv_object_01 | double %10.0g

### party_ptv_object_rec

| Anchor | Label |
|---|---|
| 0 | certainly never/very unlikely to vote for the party |
| 10 | certainly/very likely to vote for the party |

Missing: ms_party_ptv_object_rec | double %10.0g

**Interpretation** Respondent-party rows. Geographic and module eligibility vary; unsupported studies contribute no artificial rows. See Appendix E for objects.

## 07 Party liking

Respondent’s evaluative rating of a specific political party.

File: party_liking | Universe: Respondent-object pairs in the administered battery universe

party_liking_object_01

| Anchor | Label |
|---|---|
| 0 | strongly dislike the party |
| 1 | strongly like the party |

Missing: ms_party_liking_object_01 | double %10.0g

party_liking_object_rec

| Anchor | Label |
|---|---|
| 0 | strongly dislike the party |
| 10 | strongly like the party |

Missing: ms_party_liking_object_rec | double %10.0g

**Interpretation** Respondent-party rows. ANES thermometers differ from other liking formats. Unknown/unrated entities are missing, not zero. Objects: Appendix E.

## 08 Leader liking

Respondent’s evaluative rating of a named national party leader or principal party-associated political figure presented in a study’s leader battery.

File: leader_liking | Universe: Respondent-object pairs in the administered battery universe

leader_liking_object_01

| Anchor | Label |
|---|---|
| 0 | strongly dislike / very unsympathetic |
| 1 | strongly like / very sympathetic |

Missing: ms_leader_liking_object_01 | double %10.0g

leader_liking_object_rec

| Anchor | Label |
|---|---|
| 0 | strongly dislike / very unsympathetic |
| 10 | strongly like / very sympathetic |

Missing: ms_leader_liking_object_rec | double %10.0g

**Interpretation** Respondent-leader rows. Battery membership, mode and geographic scope vary. Leader labels remain study-specific. Objects: Appendix E.

## 09 Political interest

Respondent’s general level of interest in politics.

File: respondent_main | Universe: Respondents in the selected source-item universe

### political_interest_01

| Anchor | Label |
|---|---|
| 0 | minimum political interest |
| 1 | maximum political interest |

Missing: ms_political_interest_01 | double %10.0g

### political_interest_rec

| Value | Label |
|---|---|
| 1 | Very interested |
| 2 | Somewhat/Fairly interested |
| 2.5 | GLES midpoint |
| 3 | Not very interested |
| 4 | Not at all interested |

Missing: ms_political_interest_rec | double %26.0g

**BES** A03
**GLES** q1
**ANES** V202406
**ITANES** Q01
**DPES** S043_post1
**POLNES** Q01
**Selects** f10100

**Interpretation** GLES retains its fifth source position as recode 2.5. Its 0-1 output rescales the original five-position scale, so do not apply a universal formula to the recode.

## 10 Left right self placement

Respondent’s self-placement on a general political left-right continuum.

File: respondent_main | Universe: Respondents in the selected source-item universe

### left_right_01

| Anchor | Label |
|---|---|
| 0 | Left |
| 1 | Right |

Missing: ms_left_right_01 | double %10.0g

### left_right_rec

| Anchor | Label |
|---|---|
| 0 | 0 - Left |
| 10 | 10 - Right |

Missing: ms_left_right_rec | double %12.0g

**BES** E01
**GLES** q37
**ANES** V202439
**DPES** V133
**POLNES** Q19
**Selects** f15200

**Interpretation** GLES 1-11 becomes 0-10. ITANES follows its verified Q19 scale signature. Common positions do not establish the same national meaning of left and right.

## 11 Subjective political understanding

Self-assessed understanding of important political issues.

File: respondent_main | Universe: Respondents in the selected source-item universe

### pol_understanding_01

| Anchor | Label |
|---|---|
| 0 | minimum subjective understanding / strongly disagree or not well at all |
| 1 | maximum subjective understanding / strongly agree or extremely well |

Missing: ms_pol_understanding_01 | double %10.0g

### pol_understanding_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_pol_understanding_rec | double %26.0g

**BES** Q2_CSES_1 **ANES** V202408; V202215

**ITANES** Q03 **POLNES** Q03

**Selects** Q03

**Interpretation** ANES uses the documented alternative route/question where applicable. Agreement and how-well formats are aligned by position.

## 12 External political efficacy

Respondent's perceived external political efficacy/responsiveness, measured through agreement with the negatively worded statement that politicians or public officials do not care what people like the respondent think.

File: respondent_main | Universe: Respondents in the selected source-item universe

### external_efficacy_01

| Anchor | Label |
|---|---|
| 0 | statement endorsed / politicians do not care / minimum perceived responsiveness |
| 1 | statement rejected / politicians care / maximum perceived responsiveness |

Missing: ms_external_efficacy_01 | double %10.0g

### politicians_dont_care_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_politicians_dont_care_rec | double %26.0g

**BES** M02_1 **GLES** q51g

**ANES** V202212 **DPES** V252

**Interpretation** Higher external_efficacy_01 means greater responsiveness. The recode runs from agreement that politicians do not care (1) to disagreement (5).

## 13 Influence of voting

Respondent’s belief about whether who people vote for can make a difference to political outcomes.

File: respondent_main | Universe: Respondents in the selected source-item universe

### voting_influence_01

| Anchor | Label |
|---|---|
| 0 | voting makes no difference |
| 1 | voting can make a big difference |

Missing: ms_voting_influence_01 | double %10.0g

### voting_influence_rec

| Value | Label |
|---|---|
| 1 | Voting makes no difference |
| 2 | Position 2 |
| 3 | Position 3 |
| 4 | Position 4 |
| 5 | Voting can make a big difference |

Missing: ms_voting_influence_rec | double %32.0g

**BES** Q14_CSES
**GLES** q118
**ANES** V202432
**ITANES** Q15
**POLNES** Q15
**Selects** Q15

**Interpretation** Perceived influence of voting, not actual electoral impact.

## 14 Preference for democracy

Respondent’s diffuse normative support for democracy, measured by agreement that democracy is always and under all circumstances preferable to any other kind of government.

File: respondent_main | Universe: Respondents in the selected source-item universe

### democracy_preferred_01

| Anchor | Label |
|---|---|
| 0 | Strongly disagree / minimum support for democracy |
| 1 | Strongly agree / maximum support for democracy |

Missing: ms_democracy_preferred_01 | double %10.0g

### democracy_preferred_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_democracy_preferred_rec | double %26.0g

**ITANES** Q04a
**DPES** Q04a
**POLNES** Q04_A
**Selects** Q04a

**Interpretation** Support for democracy as preferable. Other regime evaluations do not fill study gaps.

## 15 Satisfaction with democracy

Respondent’s overall satisfaction with democracy or with the way democracy functions in the country.

File: respondent_main | Universe: Respondents in the selected source-item universe

### democracy_satisfaction_01

| Anchor | Label |
|---|---|
| 0 | Not at all satisfied / very dissatisfied |
| 1 | Very satisfied |

Missing: ms_democracy_satisfaction_01 | double %10.0g

### democracy_satisfaction_rec

| Value | Label |
|---|---|
| 1 | Very satisfied |
| 2 | Fairly satisfied |
| 3 | Not very satisfied |
| 4 | Not at all satisfied |

Missing: ms_democracy_satisfaction_rec | double %20.0g

**BES** M01 **GLES** q119

**ANES** V202440 **ITANES** Q22

**DPES** V240_post1 **POLNES** Q22

**Selects** f13700

**Interpretation** Source categories align by label, including gapped codes. Questionnaire routes and study waves remain relevant.

## 16 Trust in government

Trust in the national government or federal executive.

File: respondent_main | Universe: Respondents in the selected source-item universe

### trust_government_01

| Anchor | Label |
|---|---|
| 0 | no trust / never trusts government |
| 1 | maximum trust / always trusts government |

Missing: ms_trust_government_01 | double %10.0g

### trust_government_rec

| Anchor | Label |
|---|---|
| 1 | A great deal / maximum trust |
| 2 | Quite a lot / somewhat trust |
| 3 | Do not trust very much |
| 4 | Do not trust at all |

Missing: ms_trust_government_rec | double %28.0g

**BES** Q04 **GLES** q79a

**ANES** V201233 **ITANES** Q07b

**DPES** S049_post1 **POLNES** Q07_B

**Selects** f12800a

**Interpretation** GLES retains fractional recodes; ANES retains midpoint 2.5. BES government-behaviour and ANES frequency wording differ from direct trust intensity. Selects refers to the Federal Council.

## 17 Government performance

Evaluation of how well the incumbent national government has performed.

File: respondent_main | Universe: Respondents in the selected source-item universe

### government_performance_01

| Anchor | Label |
|---|---|
| 0 | Very bad job / very negative performance |
| 1 | Very good job / very positive performance |

Missing: ms_government_performance_01 | double %10.0g

### government_performance_rec

| Value | Label |
|---|---|
| 1 | Very good job |
| 2 | Good job |
| 3 | Bad job |
| 4 | Very bad job |

Missing: ms_government_performance_rec | double %13.0g

**BES** Q6_CSES
**GLES** q110
**ANES** V202427
**ITANES** Q08a
**DPES** S171
**POLNES** Q08_A
**Selects** Q08a

**Interpretation** National incumbent-government referents and retrospective periods follow the source question.

## 18 Election fairness

Perceived fairness or integrity of the national election.

File: respondent_main | Universe: Respondents in the selected source-item universe

### election_fairness_01

| Anchor | Label |
|---|---|
| 0 | minimum perceived fairness/integrity |
| 1 | maximum perceived fairness/integrity |

Missing: ms_election_fairness_01 | double %10.0g

### election_fairness_rec

| Value | Label |
|---|---|
| 1 | Fair / maximum perceived integrity |
| 2 | High perceived fairness/integrity |
| 3 | Midpoint |
| 4 | Low perceived fairness/integrity |
| 5 | Unfair / minimum perceived integrity |

Missing: ms_election_fairness_rec | double %36.0g

**GLES** q12b
**ANES** V202219
**ITANES** Q13
**DPES** V230
**POLNES** Q13
**Selects** Q13

**Interpretation** Common fairness/integrity endpoints. Intermediate source positions can remain fractional on the recoded continuum.

## 19 Retrospective national economy

Perceived change in the national economy over the source comparison period.

File: respondent_main | Universe: Respondents in the selected source-item universe

### economy_retro_01

| Anchor | Label |
|---|---|
| 0 | national economy got much worse |
| 1 | national economy got much better |

Missing: ms_economy_retro_01 | double %10.0g

### economy_retro_rec

| Value | Label |
|---|---|
| 1 | Much better |
| 2 | Somewhat/little better |
| 3 | Same |
| 4 | Somewhat/little worse |
| 5 | Much worse |

Missing: ms_economy_retro_rec | double %22.0g

**BES** L04 **ANES** V202430

**ITANES** Q09 **POLNES** Q09B_B

**Selects** f14610

**Interpretation** Reference periods follow the source. Current economic evaluations do not replace retrospective change.

## 20 Retrospective household finances

Perceived change in household finances or material circumstances.

File: respondent_main | Universe: Respondents in the selected source-item universe

### hh_finances_retro_01

| Anchor | Label |
|---|---|
| 0 | financial/material situation became much worse |
| 1 | financial/material situation became much better |

Missing: ms_hh_finances_retro_01 | double %10.0g

### hh_finances_retro_rec

| Value | Label |
|---|---|
| 1 | Much better |
| 2 | Somewhat/little better |
| 3 | Same |
| 4 | Somewhat/little worse |
| 5 | Much worse |

Missing: ms_hh_finances_retro_rec | double %22.0g

**BES** L01 **ANES** V201502

**POLNES** Q09B_C **Selects** f14620

**Interpretation** Finances/material circumstances and comparison periods follow the source. Current income is not a substitute.

## 21 Income redistribution

Respondent’s support for reducing income inequality, primarily through government action; a qualified broader inequality-preference source may contribute only where its limitation is explicit.

File: respondent_main | Universe: Respondents in the selected source-item universe

### income_redistrib_01

| Anchor | Label |
|---|---|
| 0 | minimum support for reducing income differences / preference for larger differences |
| 1 | maximum support for reducing income differences |

Missing: ms_income_redistrib_01 | double %10.0g

### income_redistrib_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_income_redistrib_rec | double %26.0g

**BES** Q12_CSES **GLES** q27d

**ANES** V202426 **ITANES** ITA01_01

**DPES** V098

**Interpretation** Agreement and preference-continuum sources align by endpoints. Recoded positions can be fractional.

## 22 Taxes and public services

Preference between lower taxes/fewer public services and higher taxes/more services.

File: respondent_main | Universe: Respondents in the selected source-item universe

### taxes_services_01

| Anchor | Label |
|---|---|
| 0 | lower taxes/fewer services or individual responsibility for provision |
| 1 | more services/higher taxes or full state responsibility for provision |

Missing: ms_taxes_services_01 | double %10.0g

### taxes_services_rec

| Value | Label |
|---|---|
| 0 | 0 - Lower taxes / fewer social services |
| 10 | 10 - More social services / higher taxes |

Missing: ms_taxes_services_rec | double %42.0g

**BES** G01_1 **GLES** q40

**ITANES** Ita02 **POLNES** P14_E

**Interpretation** POLNES contrasts state and individual responsibility for provision: a qualified broader alignment to the taxes/services target.

## 23 Immigration and the economy

Respondent’s evaluation of whether immigrants are generally good or bad for the national economy.

File: respondent_main | Universe: Respondents in the selected source-item universe

### immigrants_econ_01

| Anchor | Label |
|---|---|
| 0 | strongly disagree / immigrants viewed as bad for the national economy |
| 1 | strongly agree / immigrants viewed as good for the national economy |

Missing: ms_immigrants_econ_01 | double %10.0g

### immigrants_econ_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_immigrants_econ_rec | double %26.0g

**BES** Q3_CSES_3 **GLES** q125c

**ANES** V202418 **DPES** S155

**Interpretation** Higher 0-1 values mean a more positive economic evaluation of immigration.

## 24 Immigration and national culture

Respondent’s evaluation of whether immigrants generally harm or threaten the national culture.

File: respondent_main | Universe: Respondents in the selected source-item universe

### immigrants_culture_01

| Anchor | Label |
|---|---|
| 0 | strongly disagree / no perceived cultural harm |
| 1 | strongly agree / maximum perceived cultural harm |

Missing: ms_immigrants_culture_01 | double %10.0g

### immigrants_culture_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_immigrants_culture_rec | double %26.0g

**BES** Q3_CSES_4 **GLES** q125d

**ANES** V202419 **DPES** S156

**Interpretation** Higher 0-1 values mean greater perceived cultural harm. This polarity differs from immigrants_econ_01.

## 25 Abortion restrictions

Respondent’s position on the permissiveness or restrictiveness of abortion policy, preserving whether the source asks about legal availability, conditions, or support for making abortion more difficult.

File: respondent_main | Universe: Respondents in the selected source-item universe

### abortion_restrict_01

| Anchor | Label |
|---|---|
| 0 | maximum documented permissiveness |
| 1 | maximum documented restrictiveness |

Missing: ms_abortion_restrict_01 | double %10.0g

**ANES** V201336 **ITANES** ITA01_03

**POLNES** P14_G

**Interpretation** Four ordered source positions in ANES/ITANES; seven in POLNES. ANES other answers remain unharmonizable. No categorical recode is created.

## 26 Gender equality measures

Agreement that measures to increase women’s political representation have gone too far.

File: respondent_main | Universe: Respondents in the selected source-item universe

### gender_equality_too_far_01

| Anchor | Label |
|---|---|
| 0 | strongly disagree / minimum belief that measures have gone too far |
| 1 | strongly agree / maximum belief that measures have gone too far |

Missing: ms_gender_equality_too_far_01 | double %10.0g

### gender_equality_too_far_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Somewhat agree |
| 3 | Neither agree nor disagree |
| 4 | Somewhat disagree |
| 5 | Strongly disagree |

Missing: ms_gender_equality_too_far_rec | double %26.0g

**GLES** q27g **ITANES** Q04d

**DPES** Q04d **POLNES** Q04_D

**Selects** Q04d

**Interpretation** Agreement that equality measures have gone too far, not general support for gender equality.

## 27 Majority will and minority rights

Agreement that majority will should prevail even over minority rights.

File: respondent_main | Universe: Respondents in the selected source-item universe

### majority_over_minority_01

| Anchor | Label |
|---|---|
| 0 | strongly disagree / strongest protection of minority rights against majority will |
| 1 | strongly agree / strongest priority for majority will over minority rights |

Missing: ms_majority_over_minority_01 | double %10.0g

### majority_over_minority_rec

| Value | Label |
|---|---|
| 1 | Strongly agree |
| 2 | Agree |
| 3 | Neither agree nor disagree |
| 4 | Disagree |
| 5 | Strongly disagree |

Missing: ms_majority_over_minority_rec | double %26.0g

**BES** Q3_CSES_2 **GLES** q125b

**ANES** V202417 **DPES** S154

**Interpretation** Higher 0-1 values prioritize majority will over minority rights. The recode runs in the opposite numeric direction.

## 28 Climate change importance and priority

Personal climate-change importance, or the documented broader salience/priority measure.

File: respondent_main | Universe: Respondents in the selected source-item universe

### climate_salience_01

| Anchor | Label |
|---|---|
| 0 | minimum climate-change importance, salience or policy priority |
| 1 | maximum climate-change importance, salience or policy priority |

Missing: ms_climate_salience_01 | double %10.0g

### climate_importance_rec

| Value | Label |
|---|---|
| 1 | Not important at all |
| 2 | Low importance |
| 3 | Moderate / midpoint importance |
| 4 | High importance |
| 5 | Very high / extreme importance |

Missing: ms_climate_importance_rec | double %30.0g

**GLES** q49 **ANES** V202333

**DPES** P19 **POLNES** P14_A

**Interpretation** Different coverage: the 0-1 output combines personal importance (GLES/ANES), policy priority (DPES), and relative national climate/pollution salience (POLNES). The recode is direct personal importance in GLES/ANES only.

## 29 Most important issue

The respondent's single issue or problem identified as most important for the country at the time of interview.

File: respondent_main | Universe: Respondents in the selected source-item universe

`first_most_important_issue`

| Value | Label |
|---|---|
| String | Study-specific labels or released text; fixed dictionaries in Appendix B |

Missing: ms_first_most_important_issue | strL %9s

**BES** A01
**GLES** q19s
**ANES** V202205x
**DPES** MIP1
**Selects** f12700c

**Interpretation** BES/GLES retain released text; ANES uses released labels; DPES uses MIP1 and Selects its full first-problem coding. No common issue taxonomy. Fixed labels: Appendix B.

## 30 Gender

Respondent’s sex or gender category as recorded by the selected source.

File: respondent_main | Universe: Respondents in the selected source-item universe

`gender`

| Value | Label |
|---|---|
| 1 | Male |
| 2 | Female |
| 3 | Other / in another way / diverse |

Missing: ms_gender | double %32.0g

**BES** Y09
**GLES** d1
**ANES** V201600
**ITANES** D01
**DPES** V010
**POLNES** P65
**Selects** sex

**Interpretation** Source sex/gender wording differs. Category 3 is broad; a third option is not invented where the source offers only two.

## 31 Age

Age in completed years at the documented source or derivation reference date.

File: respondent_main | Universe: Exact age or sufficient approved birth-date inputs

`age_years`

| Value | Label |
|---|---|
| Years | Completed years; source reference dates and top-coding apply |

Missing: ms_age_years | double %10.0g

**BES** AGE
**GLES** d2a; d2b; d2c (restricted precision)
**ANES** V201507x
**ITANES** data_nascita
**DPES** V012
**POLNES** P63 birth month; P64 birth year
**Selects** age

**Interpretation** GLES exact age is unavailable at the released precision. ANES 80 means 80+ (age_topcoded=1). ITANES uses 25 September 2022; POLNES uses 15 October 2023 and leaves October births indeterminate without the day. No automatic upper-age cap; inspect source-derived extremes.

## 32 Education

Respondent’s highest completed educational attainment represented in the CSES harmonized education categories.

File: respondent_main | Universe: Respondents in the selected source-item universe

`education_cses`

| Value | Label | Value | Label |
|---|---|---|---|
| 1 | None | 6 | Post-secondary trade/vocational school |
| 2 | Incomplete primary (unused in Release 1) | 7 | University undergraduate degree |
| 3 | Primary completed | 8 | University postgraduate degree |
| 4 | Incomplete secondary | 9 | Other |
| 5 | Secondary completed | | |

Missing: ms_education_cses | double %38.0g

| | | | |
|---|---|---|---|
| **BES** | EDUCATION | **GLES** | d7/d7s plus d8a-d8n (including d8ks) |
| **ANES** | V201510 | **ITANES** | scol |
| **DPES** | V368; V368_recode | **POLNES** | P66 |
| **Selects** | f21310; E6b_lev | | |

**Interpretation** CNES maps national qualifications to the CSES categories shown above. These describe highest completed education, not years of schooling. The codes are categories, not a numerical scale; 9 (Other) is not a higher education level. CSES category 2 is unused in Release 1.

## 33 Main activity

Current employment or main-activity status in CSES-compatible categories.

File: respondent_main | Universe: Respondents in the selected source-item universe

`main_activity`

| Value | Label | Value | Label |
|---|---|---|---|
| 1 | Employed full time (32+ hours/week) | 6 | Student / vocational training |
| 2 | Employed part time (15 to <32 hours/week) | 7 | Retired |
| 3 | Employed less than 15 hours/week | 8 | Homemaker / home duties |
| 4 | Helping family member | 9 | Permanently disabled |
| 5 | Unemployed | 10 | Other not in labour force |

Missing: ms_main_activity | double %41.0g

| | | | |
|---|---|---|---|
| **BES** | Y17 | **GLES** | d9 |
| **ANES** | V201517; V201518; V201519; V201520; V201522; V201523; V201527; V201537a-e; V201516 | **ITANES** | D06; D06_1; D06_2 |
| **DPES** | V355; V357; V366; V366_other | **POLNES** | P69 |
| **Selects** | f21400; f26100 | | |

**Interpretation** Preserves documented employment distinctions. Ambiguous source categories remain unharmonizable; working hours are not inferred from occupation.

## 34 Occupation

Current occupation, or last occupation where the documented source route applies.

File: respondent_main | Universe: Current or documented previous occupation; never-worked cases excluded

### occupation_isco08_2digit

| Value | Label |
|---|---|
| ISCO-08 | Two-character sub-major-group code, preserving leading zeros; full code list and labels in Appendix E |

Missing: ms_occupation_isco08_2digit | strL %9s

**GLES** d9; d12_i08; d12_i08_prob; d12s; d21_i08; d21_i08_prob; d21s

**DPES** V355; V366; V362; V362_other; N93; N93_other

**POLNES** P69; P70

**Selects** ISCO08prof_r_pre_2dig; ISCO08prof_r_2dig

**Interpretation** Strings retain leading zeros. GLES and Selects follow current/last-occupation routing. DPES broad groups support the major-group field only; no two-digit code is invented.

## 35 Household income

Household or family income, retained as the original amount or band.

File: respondent_main | Universe: Respondents with selected household/family-income inputs

### household_income_cses

| Value | Label |
|---|---|
| Amount / band | Source amount or ordered source-band code; see hhinc_form and Appendix C |

Missing: ms_household_income_cses | double %10.0g

**BES** Y01_ANNUAL; Y01_WEEKLY; Y01_MONTHLY

**GLES** d63

**ANES** V202468x

**ITANES** D09

**DPES** N92

**POLNES** P73; P73_97; P74

**Selects** f28910

**Interpretation** Source-preserving amounts/bands, with different periods, currencies and gross/net bases. Always use study ID and hhinc_form. No pooled money scale, conversion or quintile construction. Bands: Appendix C.

## 36 Religion

Respondent’s current self-reported religious affiliation or denomination, coded to the CSES Module 6 D10 classification at the greatest level of specificity defensible from the documented source.

File: respondent_main | Universe: Respondents in the selected source-item universe

`religion_cses_d10`

| Value | Label | Value | Label |
|---|---|---|---|
| 1000 | Christian (no denomination given) | 1600 | Eastern Orthodox |
| 1101 | Roman Catholic | 2000 | Jewish |
| 1102 | Eastern Catholic | 3000 | Muslim (no denomination given) |
| 1200 | Protestant (no denomination given) | 3100 | Sunni |
| 1203 | Baptist | 3200 | Shi’ism |
| 1209 | Methodist | 4000 | Buddhist |
| 1210 | Pentecostal | 5000 | Hindu |
| 1211 | Presbyterian | 5500 | Jainism |
| 1214 | Christian Brethren | 5600 | Sikhism |
| 1216 | Reformed Churches | 7100 | Pagan / traditional / animist |
| 1217 | Protestant Church of the Netherlands | 8100 | Agnostic |
| 1299 | Protestant, other | 8200 | Atheist |
| 1300 | Anglican / Episcopalian | 8300 | None |
| 1502 | Mormon / Latter-Day Saints | 9600 | Other religion, not specified |
| 1504 | Jehovah’s Witnesses | | |

Missing: ms_religion_cses_d10 | double %36.0g

| | | | |
|---|---|---|---|
| **BES** | Y06; Y06B | **GLES** | d39 |
| **ANES** | V201435; V201436; V201457x; V201458x | **ITANES** | D10 |
| **DPES** | V351; V351_other; V351_Christendom; V351_Christelijk_other; V351_Islam; V351_Islam_other | **POLNES** | P75 |
| **Selects** | f20760 | | |

**Interpretation** Denomination detail is retained where available; broad categories are not expanded. None, atheist and agnostic remain distinct where supplied.

## 37 Religious attendance

Frequency with which the respondent attends religious services or meetings, excluding special occasions such as weddings and funerals.

File: respondent_main | Universe: Respondents in the selected source-item universe

`religious_attendance_rec`

| Value | Label |
|---|---|
| 1 | Never |
| 2 | Once a year |
| 3 | Two to eleven times a year |
| 4 | Once a month |
| 5 | Two or more times a month |
| 6 | Once a week or more |

Missing: ms_religious_attendance_rec | double %26.0g

`religious_attendance_01`

| Anchor | Label |
|---|---|
| 0 | Never |
| 1 | Once a week or more |

Missing: ms_religious_attendance_01 | double %10.0g

**BES** Y07 **GLES** d40

**ANES** V201452; V201453; V201454 **ITANES** D11

**DPES** V352 **POLNES** P76

**Selects** f20900

**Interpretation** Ordinal frequency positions. BES special-occasion-only attendance is not assigned an invented regular frequency.

## 38 Marital status

Respondent’s current marital or civil-union status, including living together as married, represented using CSES Module 6 D04.

File: respondent_main | Universe: Respondents in the selected source-item universe

`marital_status_cses_d04`

| Value | Label |
|---|---|
| 1 | Married or living together as married |
| 2 | Widowed |
| 3 | Divorced or separated |
| 4 | Single, never married |

Missing: ms_marital_status_cses_d04 | double %37.0g

**BES** Y26 **GLES** d5

**ANES** V201508; V201509 **ITANES** D04

**DPES** N94 **POLNES** P67

**Selects** E11

**Interpretation** Combines married/cohabiting-as-married and divorced/separated. National legal and cohabitation meanings differ.

## 39 Country of birth

Country or entity of birth, rather than citizenship or nationality.

File: respondent_main | Universe: Respondents in the selected source-item universe

`country_of_birth_cses_d14`

| Value | Label |
|---|---|
| Code | Numeric country/entity dictionary in Appendix F |

Missing: ms_country_of_birth_cses_d14 | double %03.0f

**BES** Q19_CSES
**GLES** d43; d44; d44s
**ANES** V201554
**ITANES** D14
**POLNES** P78
**Selects** birthcountry_sample

**Interpretation** Uses the country/entity dictionary, including historical entities and territories. BES broad birthplace categories do not populate detailed country. born_in_study_country can remain informative when detailed country is missing.

## 40 Union membership

Whether the respondent is currently a trade-union member.

File: respondent_main | Universe: Respondents in the selected source-item universe

`union_membership_cses_d05`

| Value | Label |
|---|---|
| 1 | Respondent is a member of a union |
| 2 | Respondent is not a member |

Missing: ms_union_membership_cses_d05 | double %33.0g

**BES** Y08
**GLES** d61a
**ANES** V201544
**ITANES** D05; D05b
**DPES** V272
**POLNES** P68
**Selects** n13_030a1

**Interpretation** Respondent membership only. Household-only membership does not make the respondent a union member.

# Appendix A Variable index

Click a variable name below to open its description in Harmonized variables. Each description gives its coding and missing-status variable. Source weights are listed in Appendix D.

| Harmonized output | Entry | Container |
|---|---|---|
| abortion_restrict_01 | 25 | respondent_main |
| age_years | 31 | respondent_main |
| climate_importance_rec | 28 | respondent_main |
| climate_salience_01 | 28 | respondent_main |
| country_of_birth_cses_d14 | 39 | respondent_main |
| democracy_preferred_01 | 14 | respondent_main |
| democracy_preferred_rec | 14 | respondent_main |
| democracy_satisfaction_01 | 15 | respondent_main |
| democracy_satisfaction_rec | 15 | respondent_main |
| economy_retro_01 | 19 | respondent_main |
| economy_retro_rec | 19 | respondent_main |
| education_cses | 32 | respondent_main |

| Harmonized output | Entry | Container |
|---|---|---|
| election_fairness_01 | 18 | respondent_main |
| election_fairness_rec | 18 | respondent_main |
| external_efficacy_01 | 12 | respondent_main |
| first_most_important_issue | 29 | respondent_main |
| gender | 30 | respondent_main |
| gender_equality_too_far_01 | 26 | respondent_main |
| gender_equality_too_far_rec | 26 | respondent_main |
| government_performance_01 | 17 | respondent_main |
| government_performance_rec | 17 | respondent_main |
| hh_finances_retro_01 | 20 | respondent_main |
| hh_finances_retro_rec | 20 | respondent_main |
| household_income_cses | 35 | respondent_main |
| immigrants_culture_01 | 24 | respondent_main |
| immigrants_culture_rec | 24 | respondent_main |
| immigrants_econ_01 | 23 | respondent_main |
| immigrants_econ_rec | 23 | respondent_main |
| income_redistrib_01 | 21 | respondent_main |
| income_redistrib_rec | 21 | respondent_main |
| leader_liking_object_01 | 08 | leader_liking |
| leader_liking_object_rec | 08 | leader_liking |
| left_right_01 | 10 | respondent_main |
| left_right_rec | 10 | respondent_main |
| main_activity | 33 | respondent_main |
| majority_over_minority_01 | 27 | respondent_main |
| majority_over_minority_rec | 27 | respondent_main |
| marital_status_cses_d04 | 38 | respondent_main |
| occupation_isco08_2digit | 34 | respondent_main |
| party_id_any | 03 | respondent_main |
| party_id_party | 04 | respondent_main |
| party_id_strength_01 | 05 | respondent_main |
| party_id_strength_rec | 05 | respondent_main |
| party_liking_object_01 | 07 | party_liking |
| party_liking_object_rec | 07 | party_liking |
| party_ptv_object_01 | 06 | party_ptv |
| party_ptv_object_rec | 06 | party_ptv |
| pol_understanding_01 | 11 | respondent_main |
| pol_understanding_rec | 11 | respondent_main |
| political_interest_01 | 09 | respondent_main |
| political_interest_rec | 09 | respondent_main |
| politicians_dont_care_rec | 12 | respondent_main |
| religion_cses_d10 | 36 | respondent_main |

| Harmonized output | Entry | Container |
|---|---|---|
| religious_attendance_01 | 37 | respondent_main |
| religious_attendance_rec | 37 | respondent_main |
| taxes_services_01 | 22 | respondent_main |
| taxes_services_rec | 22 | respondent_main |
| trust_government_01 | 16 | respondent_main |
| trust_government_rec | 16 | respondent_main |
| turnout_last_lowerhouse | 01 | respondent_main |
| union_membership_cses_d05 | 40 | respondent_main |
| vote_choice_lh_party | 02 | respondent_main |
| voting_influence_01 | 13 | respondent_main |
| voting_influence_rec | 13 | respondent_main |

# Appendix B Response categories by study

These lists document response categories for three variables: vote choice, party identification and most important issue. Categories differ by study and are not a common cross-country classification. The parties and leaders rated in the PTV and liking files are listed separately in Appendix E. Only explicit category lists are included here; source-derived or open-text answers are not enumerated.

## Vote choice (vote_choice_lh_party)

### BES - GBR_BES_2019

Labour Party; Conservative Party; Liberal Democrats; Scottish National Party; Plaid Cymru; Green Party; UK Independence Party; Brexit Party; Other party; Independent candidate; Specified candidate, party unknown; Spoilt ballot; None/no party choice.

### GLES - DEU_GLES_2021

CDU/CSU; SPD; AfD; FDP; DIE LINKE; BÜNDNIS 90/DIE GRÜNEN; Other party; Invalid ballot; BP; Die PARTEI; FREIE WAEHLER; MLPD; NPD; oedp; PIRATEN; SSW; Tierschutzpartei; Die Humanisten; Buendnis C; mut; Die Grauen; Volt; dieBasis; Team Todenhoefer; PdF; BUERGERBEWEGUNG.

### ANES - USA_ANES_2020

Democratic Party; Republican Party; Other candidate/party.

### ITANES - ITA_ITANES_2022

Fratelli d’Italia; Lega per Salvini Premier; Forza Italia; Azione-Italia Viva; Movimento 5 Stelle; Partito Democratico; +Europa; Italexit; Alleanza Verdi e Sinistra; Impegno Civico; Noi Moderati; Other party/list; Blank/null ballot; Unione Popolare; Italia Sovrana e Popolare; Sud chiama Nord; Vita; PATT.

### DPES - NLD_DPES_2023

VVD; D66; PvdA/Groenlinks; PVV; CDA; SP; Forum voor Democratie; Partij voor de Dieren; ChristenUnie; Volt; JA21; SGP; DENK; 50Plus; BoerBurgerBeweging (BBB); Bij1; Nieuw Sociaal Contract (Omtzigt); Belang van Nederland (BVNL); LEF - Voor de Nieuwe Generatie; LP (Libertaire Partij); Nederland met een Plan; PartijvdSport; Piratenpartij - De Groenen; Politieke Partij voor Basisinkomen; Samen voor Nederland; Splinter; Blank ballot; Invalid ballot.

### POLNES - POL_POLNES_2023

Bezpartyjni Samorządowcy electoral committee; Third Way coalition (PSL-Poland 2050); New Left electoral committee; Law and Justice; Confederation Liberty and Independence; Civic Coalition; Polska Jest Jedna electoral committee; Other electoral committee/party; Invalid ballot.

### Selects - CHE_SELECTS_2023

FDP/PLR - Liberal Radical Party; The Centre (former CVP/ BDP); SP/PS - Social Democratic Party; SVP/UDC - Swiss People's Party; GPS/PES - Green Party; GLP/PVL - Green Liberal Party; Lega - Ticino League; MCG - Geneva Citizens' Movement; CSP/PCS - Christian Social Party; EVP/PEV - Evangelical People's Party; EDU/UDF - Federal Democratic Union; PdA/PdT - Swiss Party of Labour; AL - Alternative List / Sol - Solidarity / EàG - Ensemble à Gauche; PP - Pirate Party; Left party: other left party not listed above; Right party: other right party not listed above; Center party: other center party not listed above; Other party/list; Voted for persons, not parties; Voted for several parties; All parties together, all; Left parties (several); Right parties (several); Voted blank.

## Party identification (party_id_party)

### BES - GBR_BES_2019

Labour; Conservatives; Liberal Democrats; Scottish National Party (SNP); Plaid Cymru; Green Party; United Kingdom Independence Party (UKIP); Brexit Party; Other party.

### GLES - DEU_GLES_2021

CDU/CSU; CDU; CSU; SPD; AfD; FDP; DIE LINKE; GRÜNE; Other party; BP; Die PARTEI; FREIE WAEHLER; MLPD; NPD; oedp; PIRATEN; SSW; Tierschutzpartei; BGE; DiB; Volt; dieBasis; Team Todenhoefer.

## ANES - USA_ANES_2020

No preference; Democrat; Republican; Independent; Other party.

## ITANES - ITA_ITANES_2022

Fratelli d'Italia; Lega; Forza Italia; Azione; Italia Viva; Movimento 5 Stelle; Partito Democratico; +Europa; Italexit; Europa Verde; Sinistra Italiana; Impegno Civico; Noi Moderati; Other party.

## DPES - NLD_DPES_2023

VVD; D66; PvdA/Groenlinks; PVV; CDA; SP; Forum voor Democratie; Partij voor de Dieren; ChristenUnie; Volt; JA21; SGP; DENK; 50Plus; BoerBurgerBeweging (BBB); Bij1; Nieuw Sociaal Contract (Omtzigt); Belang van Nederland (BVNL); Other party; No party.

## POLNES - POL_POLNES_2023

Bezpartyjni Samorządowcy - Łączy nas Polska (BS-ŁnP); Centrum dla Polski (CdP); Inicjatywa Polska (iPL ); KOALICJA OBYWATELSKA; Konfederacja Korony Polskiej (KKP); Konfederacja Wolność i Niepodległość (Konfederacja); Kukiz'15 (K'15); Lewica Razem (Razem); Nowa Lewica (NL: SLD i Wiosna); Nowa Nadzieja (NN); Nowoczesna (.N); Partia Republikańska (Republikanie); Platforma Obywatelska (PO); Polska 2050 Szymona Hołowni (PL2050); Polska Jest Jedna (PJJ); Polskie Stronnictwo Ludowe (PSL); Porozumienie dla Demokracji (Porozumienie); Prawo i Sprawiedliwość (PiS); Ruch Narodowy (RN); Ruch Społeczny Agrounia TAK (Agrounia); Solidarna Polska (SP); Suwerenna Polska (SP); TRZECIA DROGA; Wolnościowcy; Zieloni; Other party.

## Selects - CHE_SELECTS_2023

FDP/PLR - Liberal Radical Party; The Centre (former CVP/ BDP); SP/PS - Social Democratic Party; SVP/UDC - Swiss People's Party; GPS/PES - Green Party; GLP/PVL - Green Liberal Party; Lega - Ticino League; MCG - Geneva Citizens' Movement; CSP/PCS - Christian Social Party; EVP/PEV - Evangelical People's Party; EDU/UDF - Federal Democratic Union; PdA/PdT - Swiss Party of Labour; AL - Alternative List / Sol - Solidarity / EàG - Ensemble à Gauche; PP - Pirate Party; Left party: other left party not listed above; Right party: other right party not listed above; Center party: other center party not listed above; Other party; No party / rather persons; Several parties; All parties together, all; Left parties (several); Right parties (several).

## Most important issue (first_most_important_issue)

## DPES - NLD_DPES_2023

Economy / Financial situation; There are no problems; Social security / benefits/pensions; Politics/bestuurscultuur/Politcal parties; Crime/Police; Defense; Healthcare (costs); Education; Income / Price levels / Taxes / No profit from work; Employment / Shortages in the labour market; Traffic / Mobility/Infrastructure; Housing; Environment/Nature/Bio-diversity; Population / Greying / Netherlands is busy/crowded; Minorities/Integration policy; Norms and values/freedom of expression/egoism; Media/Social Media; European integration/EU influence; Inequality / Poverty/Bestaanszekerheid; Intolerance / Discrimination /Racism/Anti-semitism/Negativity on migration/asylum; Foreign policy / International security / war; Regulation / Big government/Bureaucracy; Polarisation / Dividedness / Solidarity / Hardening society; Immigration/ NL for the Dutch; Covid; Radicalization, extremism and Populism; Safety; Asylum(policy); Nitrition policy/farmers/agriculture/too many measures on climate; Energy-transitions/costs; Toeslagen/mijnbouw/Groningen/untrustworthy government/government does not solve crises/incompentence; Health insurances; Government too small/selling out society/market dominance/neoliberalism/privatization; Rechtstaat/democracy; Woke / left-wing annoyance; The rich/ large companies; Privacy; Politican do not listen/arrogance/distance; General and political dissatisfaction in societyg/fear/no perspective; Animal rights; Many/too many; Fake news; Gender/LHBTI+; No stability; Moslims/islam.

## Selects - CHE_SELECTS_2023

Old age insurance (AHV/AVS); Other old age provisions; Unemployment; Poverty; Asylum seekers, asylum policy; Foreigners, immigration policy; Drugs, addictions; EU, Europe; Extremism; Finances; Refugees; Xenophobia, racism; Health system; Globalisation; Youth unemployement; Integration of immigrants; Climate; Consociationalism; Health insurance; Crime; Neutrality; Politicians; Political style; Political system; Direct democracy; Party polarisation; Security; Social security; Social inequalities; Taxes; National fiscal equalisation; Environment; Economic development; Media; Renewable energies; Economic/financial crisis; Overvaluation of Swiss franc; Nuclear energy; Transportation, traffic; Banks, banking crisis; Lobbying, money in politics; Urban sprawl, overconstruction; Bilateral agreements with EU; Economy, economic policy; Education; Social policy, welfare state; Family policy, upbringing; Labour market, workplace security; Difference between rich and poor, income inequality; Fear, politics of fear; Labour market for 50+; Impoverishment/loss of the middle class; Vandalism, violence; Road rowdies; Terrorism; 2nd Gothard tunnel; Future; Work for young people; Overpopulation; Energy, energy policy; Cross-border commuters; Swiss People's Party; Equal rights; Lack of cohesion in society; National cohesion, regions, languages, cantons; Lack of tolerance, discrimination; Society in general; Foreign policy, relations with other countries; Housing, excessive costs of housing; Agricultural policy, farmers; Army; Aging population, demographics; Bureaucracy; Bank secrecy; Respect, honesty, loss of values; Shift to the right; Lack of kindergartens and nurseries; Invalidity insurance; Independece, autonomy; Rising prices, purchasing power; Disregard of popular will, too slow implementation of laws a; Popular initiative against mass immigration; Low political interest and participation; Penal system, legal system, justice; Open borders, free movement of people; Excessive salaries, 'rip-off'; Other; No problems, things should stay as they are; Institutional framework agreement with EU; Capitalism; 5G; Animal protection; Politics abroad (such as Trump, Brexit); Digitisation, robotisation; Lack of general objectives, visions and strategies; Data protection; Left, socialism; Wars, peace policy; Islam, islamism; Corruption, cronyism; Populism; Negative interest rates; Culture; Infrastructure; Individual liberty, liberty, government control; COVID-19 pandemic - in general or several aspects; COVID-19 pandemic - economic aspects; COVID-19 pandemic - health aspects; COVID-19 pandemic - legal aspects; COVID-19 pandemic - social aspects; COVID-19 pandemic - political aspects; COVID-19 pandemic - other aspects.

# Appendix C Income interpretation and bands

household_income_cses preserves the source amount or source category code. Values are not comparable as pooled money or pooled ranks. This appendix gives the selected source bands; it does not convert or correct source boundaries.

## BES

Annual GBP gross household income; band 1-8.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | Under £5,200 | 5 | £36,400 - £46,799 |
| 2 | £5,200 - £15,599 | 6 | £46,800 - £74,999 |
| 3 | £15,600 - £25,999 | 7 | £75,000 - £149,999 |
| 4 | £26,000 - £36,399 | 8 | £150,000 or more |

## GLES

Monthly EUR net household income; band 1-13.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | less than 500 Euros | 8 | 2500 to less than 3000 Euro |
| 2 | 500 to less than 750 Euros | 9 | 3000 to less than 4000 Euro |
| 3 | 750 to under 1000 Euros | 10 | 4000 to less than 5000 Euro |
| 4 | 1000 to less than 1250 Euro | 11 | 5000 to less than 7500 Euro |
| 5 | 1250 to less than 1500 Euro | 12 | 7500 to less than 10000 Euro |
| 6 | 1500 to less than 2000 Euro | 13 | 10000 Euro or more |
| 7 | 2000 to less than 2500 Euro | | |

## ANES

Annual USD total family income; band 1-22. Gross/net basis not specified in the selected record.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | Under $9,999 | 12 | $65,000-69,999 |
| 2 | $10,000-14,999 | 13 | $70,000-74,999 |
| 3 | $15,000-19,999 | 14 | $75,000-79,999 |
| 4 | $20,000-24,999 | 15 | $80,000-89,999 |
| 5 | $25,000-29,999 | 16 | $90,000-99,999 |
| 6 | $30,000-34,999 | 17 | $100,000-109,999 |
| 7 | $35,000-39,999 | 18 | $110,000-124,999 |
| 8 | $40,000-44,999 | 19 | $125,000-149,999 |
| 9 | $45,000-49,999 | 20 | $150,000-174,999 |
| 10 | $50,000-59,999 | 21 | $175,000-249,999 |
| 11 | $60,000-64,999 | 22 | $250,000 or more |

## ITANES

Annual EUR family income; band 1-11. Gross/net basis and exact family/household alignment are not fully specified.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | Meno di € 9.990 | 7 | € 60.000-69.990 |
| 2 | € 10.000-19.990 | 8 | € 70.000-79.990 |
| 3 | € 20.000-29.990 | 9 | € 80.000-89.900 |
| 4 | € 30.000-39.990 | 10 | € 90.000-99.990 |
| 5 | € 40.000-49.990 | 11 | oltre € 100.000 |
| 6 | € 50.000-59.990 | | |

The supplied code-9 boundary ending at EUR 89,900 is preserved as documented.

## DPES

Monthly EUR net household income; band 1-15; no income is substantive.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | No income | 9 | €3501 - €4000 |
| 2 | €500 or less | 10 | €4001 - €4500 |
| 3 | €501 - €1000 | 11 | €4501 - €5000 |
| 4 | €1001 - €1500 | 12 | €5001 - €6000 |
| 5 | €1501 - €2000 | 13 | €6001 - €7000 |
| 6 | €2001 - €2500 | 14 | €7001 - €8000 |
| 7 | €2501 - €3000 | 15 | €8001 or more |
| 8 | €3001 - €3500 | | |

## POLNES

Monthly PLN net household income. P73 nonnegative amount has priority; P74 band 1-20 is the fallback. hhinc_form distinguishes the paths.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 01 | do 300 zł | 11 | między 2 501 zł a 2 750 zł |
| 02 | między 301 zł a 500 zł | 12 | między 2 751 zł a 3 000 zł |
| 03 | między 501 zł a 750 zł | 13 | między 3 001 zł a 3 500 zł |
| 04 | między 751 zł a 1 000 zł | 14 | między 3 501 zł a 4 000 zł |
| 05 | między 1 001 zł a 1 250 zł | 15 | między 4 001 zł a 4 500 zł |
| 06 | między 1 251 zł a 1 500 zł | 16 | między 4 501 zł a 5 000 zł |
| 07 | między 1 501 zł a 1 750 zł | 17 | między 5 001 zł a 7 000 zł |
| 08 | między 1 751 zł a 2 000 zł | 18 | między 7 001 zł a 8 000 zł |
| 09 | między 2 001 zł a 2 250 zł | 19 | między 8 001 zł a 10 000 zł |
| 10 | między 2 251 zł a 2 500 zł | 20 | powyżej 10 000 zł |

## Selects

Monthly CHF gross total household income; band codes follow f28910.

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 1 | Less than 2000 CHF | 11 | 11001-12000 CHF |
| 2 | 2001-3000 CHF | 12 | 12001-13000 CHF |

| Code | Source band label | Code | Source band label |
|---|---|---|---|
| 3 | 3001-4000 CHF | 13 | 13001-14000 CHF |
| 4 | 4001-5000 CHF | 14 | 14001-15000 CHF |
| 5 | 5001-6000 CHF | 15 | 15001-16000 CHF |
| 6 | 6001-7000 CHF | 16 | 16001-17000 CHF |
| 7 | 7001-8000 CHF | 17 | 17001-18000 CHF |
| 8 | 8001-9000 CHF | 18 | 18001-19000 CHF |
| 9 | 9001-10000 CHF | 19 | 19001-20000 CHF |
| 10 | 10001-11000 CHF | 20 | More than 20000 CHF |

# Appendix D Source weights and design fields

CNES creates no weight. The 63 wt_* fields below retain original source variables under unambiguous study-specific names. The prefix also covers ANES variance units and strata, which are design variables and must not be used as weights. Values are not normalized or combined by CNES; fields are missing outside their source study.

Choose a weight appropriate to the source population, wave and analytic purpose. For ANES, use variance units and strata from the same sample family as the chosen weight. National weights do not by themselves define a valid pooled cross-national weighting strategy. Battery analyses must link the appropriate fields from the main file and account for their repeated-record structure.

## BES

| Retained field and source | Role and use |
|---|---|
| wt_bes19_sel<br>Source: wt_sel_wt | selection/design weight; all modes. Use when correcting unequal selection probabilities only. Capped selection component; not the source-recommended general analysis weight. |
| wt_bes19_demog<br>Source: wt_demog | demographic calibration weight; all modes. Use for analyses requiring VEP demographic calibration. Does not include self-reported vote calibration. |
| wt_bes19_vote<br>Source: wt_vote | vote-calibrated analysis weight; all modes. Source documentation recommends this for most analyses. Uses self-reported vote calibration; assess fit to the analytic estimand. |
| wt_bes19_demog_f2f<br>Source: wt_demog_f2f | demographic calibration weight; face-to-face respondents. Use only for face-to-face analyses. Invalid outside the face-to-face subset. |
| wt_bes19_vote_f2f<br>Source: wt_vote_f2f | vote-calibrated analysis weight; face-to-face respondents. Use only for face-to-face vote-calibrated analyses. Invalid outside the face-to-face subset. |
| wt_bes19_demog_cses<br>Source: wt_demog_cses | demographic calibration weight; CSES respondents. Use only for the CSES subset. Invalid outside the CSES subset. |
| wt_bes19_vote_cses<br>Source: wt_vote_cses | vote-calibrated analysis weight; CSES respondents. Use only for vote-calibrated CSES-subset analyses. Invalid outside the CSES subset. |
| wt_bes19_vote_valid<br>Source: wt_vote_valid | validated-turnout analysis weight; respondents with validated turnout data. Use only with the validated-turnout analytic subset. Added with voter-validation data; not a general-purpose weight. |

## GLES

| Retained field and source | Role and use |
|---|---|
| wt_gles21_design<br>Source: w_ow | design weight; full sample with East oversampling. Use to correct the documented oversampling of East Germany. The supplied documentation mentions further adjustment weights but does not enumerate their identifiers; do not infer them. |

## ANES

Within each source sample family: suffix a is the pre-election analysis weight, b the post-election analysis weight, c the variance unit and d the variance stratum. Retained names preserve these suffixes. Choose the matching weight and design fields; do not mix sample families. Full-release weights replace preliminary draft weights.

| Sample family and source | Retained fields |
|---|---|
| Full sample<br>Source: V200010a, b, c, d | wt_anes20_v200010a<br>wt_anes20_v200010b<br>wt_anes20_v200010c<br>wt_anes20_v200010d |
| 2016-2020 panel<br>Source: V200011a, b, c, d | wt_anes20_v200011a<br>wt_anes20_v200011b<br>wt_anes20_v200011c<br>wt_anes20_v200011d |
| Web-only sample<br>Source: V200012a, b, c, d | wt_anes20_v200012a<br>wt_anes20_v200012b<br>wt_anes20_v200012c<br>wt_anes20_v200012d |
| Mixed-web sample<br>Source: V200013a, b, c, d | wt_anes20_v200013a<br>wt_anes20_v200013b<br>wt_anes20_v200013c<br>wt_anes20_v200013d |
| Mixed-video sample<br>Source: V200014a, b, c, d | wt_anes20_v200014a<br>wt_anes20_v200014b<br>wt_anes20_v200014c<br>wt_anes20_v200014d |
| Fresh sample excluding 2016 panel<br>Source: V200015a, b, c, d | wt_anes20_v200015a<br>wt_anes20_v200015b<br>wt_anes20_v200015c<br>wt_anes20_v200015d |
| All sample excluding mixed video<br>Source: V200016a, b, c, d | wt_anes20_v200016a<br>wt_anes20_v200016b<br>wt_anes20_v200016c<br>wt_anes20_v200016d |

## ITANES

| Retained field and source | Role and use |
|---|---|
| wt_itanes22_wsociodem<br>Source: wsociodem | socio-demographic calibration weight; post/panel sample. Use for general socio-demographic adjustment when untrimmed weights are methodologically required. Untrimmed; may contain more extreme values. |
| wt_itanes22_wsociodem_trim<br>Source: wsociodem_trim | trimmed socio-demographic calibration weight; post/panel sample. Use for general socio-demographic adjustment when the source-trimmed version is appropriate. Trimming changes the calibration/variance trade-off. |
| wt_itanes22_wdempol_coal<br>Source: wdempol_coal | coalition-oriented socio-political weight; documented post/panel universe. Use only for analyses matching the source coalition calibration purpose. Purpose-specific; untrimmed. |
| wt_itanes22_wdempol_coal_trim<br>Source: wdempol_coal_trim | trimmed coalition-oriented socio-political weight; documented post/panel universe. Use only for analyses matching the source coalition calibration purpose. Purpose-specific and trimmed. |
| wt_itanes22_wdempol_party<br>Source: wdempol_party | party-oriented socio-political weight; documented post/panel universe. Use only for analyses matching the source party calibration purpose. Purpose-specific; untrimmed. |
| wt_itanes22_wdempol_party_trim<br>Source: wdempol_party_trim | trimmed party-oriented socio-political weight; documented post/panel universe. Use only for analyses matching the source party calibration purpose. Purpose-specific and trimmed. |
| wt_itanes22_wdempol22<br>Source: wdempol22 | 2022 vote-calibrated weight; 2022 valid voters. Use for analyses intended to reproduce 2022 party vote margins. Excludes blank/null ballots and nonvoters from its target. |
| wt_itanes22_wdempol22_electorate<br>Source: wdempol22_electorate | 2022 electorate weight; 2022 electorate including blank/null/nonvote. Use for turnout, abstention and electorate analyses. Different target population from wdempol22. |
| wt_itanes22_wdempol18_22<br>Source: wdempol18_22 | 2018-2022 electoral-flow weight; eligible panel cases for electoral-flow analysis. Use only for 2018-2022 electoral-flow analyses. Not a general cross-sectional weight. |

## DPES

| Retained field and source | Role and use |
|---|---|
| wt_dpes23_vote<br>Source: Wgth_Vote2023 | vote-choice calibration weight; representative sample. Use for 2023 vote-choice calibration. Pre-only respondents have weight 1; not a demographic-only weight. |
| wt_dpes23_dem<br>Source: Wgth_Dem | demographic calibration weight; representative sample. Use for demographic post-stratification. Does not include vote-choice calibration. |
| wt_dpes23_total<br>Source: Wgth_Total | combined demographic and vote weight; representative sample. Use when the combined demographic + vote calibration matches the analysis. Extreme weights topped at mean + 3 SD; documented maximum 5.8. |

## POLNES

| Retained field and source | Role and use |
|---|---|
| wt_polnes23_main<br>Source: weight | final population calibration weight; released sample. Use as the released study weight subject to source guidance. Construction algorithm is not fully documented in the supplied package; observed range reported as 0.80-1.34. |

## Selects

| Retained field and source | Role and use |
|---|---|
| wt_selects23_design<br>Source: weight_d | design weight; national sample. Use for cantonal oversampling correction only. Does not adjust turnout or party choice. |
| wt_selects23_design_turnout<br>Source: weight_d_t | design × turnout weight; national sample. Use for turnout-adjusted national analyses. Purpose-specific turnout adjustment. |
| wt_selects23_design_party<br>Source: weight_d_p | design × party-choice weight; national sample. Use for party-choice-adjusted national analyses. Purpose-specific party adjustment. |
| wt_selects23_total<br>Source: weight_tot | design × turnout × party-choice weight; national sample. Use when the total national adjustment matches the analysis. Combines three adjustment components. |
| wt_selects23_turnout_zh<br>Source: weight_t_zh | canton turnout weight; Zurich cases. Use only for Zurich turnout analyses. Invalid outside Zurich. |
| wt_selects23_party_zh<br>Source: weight_p_zh | canton party-choice weight; Zurich cases. Use only for Zurich party-choice analyses. Invalid outside Zurich. |
| wt_selects23_total_zh<br>Source: weight_tot_zh | canton total weight; Zurich cases. Use only for Zurich analyses requiring the total adjustment. Invalid outside Zurich. |
| wt_selects23_turnout_ti<br>Source: weight_t_ti | canton turnout weight; Ticino cases. Use only for Ticino turnout analyses. Invalid outside Ticino. |
| wt_selects23_party_ti<br>Source: weight_p_ti | canton party-choice weight; Ticino cases. Use only for Ticino party-choice analyses. Invalid outside Ticino. |
| wt_selects23_total_ti<br>Source: weight_tot_ti | canton total weight; Ticino cases. Use only for Ticino analyses requiring the total adjustment. Invalid outside Ticino. |
| wt_selects23_turnout_ge<br>Source: weight_t_ge | canton turnout weight; Geneva cases. Use only for Geneva turnout analyses. Invalid outside Geneva. |
| wt_selects23_party_ge<br>Source: weight_p_ge | canton party-choice weight; Geneva cases. Use only for Geneva party-choice analyses. Invalid outside Geneva. |
| wt_selects23_total_ge<br>Source: weight_tot_ge | canton total weight; Geneva cases. Use only for Geneva analyses requiring the total adjustment. Invalid outside Geneva. |

# Appendix E Occupation groups and battery objects

## ISCO-08 major and sub-major groups

The major-group support uses the first digit: 0 Armed forces; 1 Managers; 2 Professionals; 3 Technicians and associate professionals; 4 Clerical support workers; 5 Service and sales workers; 6 Skilled agricultural, forestry and fishery workers; 7 Craft and related trades workers; 8 Plant and machine operators and assemblers; 9 Elementary occupations.

| Code | ISCO-08 sub-major group |
|---|---|
| 01 | Commissioned armed forces officers |
| 02 | Non-commissioned armed forces officers |
| 03 | Armed forces occupations, other ranks |
| 11 | Chief executives, senior officials and legislators |
| 12 | Administrative and commercial managers |
| 13 | Production and specialized services managers |
| 14 | Hospitality, retail and other services managers |
| 21 | Science and engineering professionals |
| 22 | Health professionals |
| 23 | Teaching professionals |
| 24 | Business and administration professionals |
| 25 | Information and communications technology professionals |
| 26 | Legal, social and cultural professionals |
| 31 | Science and engineering associate professionals |
| 32 | Health associate professionals |
| 33 | Business and administration associate professionals |
| 34 | Legal, social, cultural and related associate professionals |
| 35 | Information and communications technicians |
| 41 | General and keyboard clerks |
| 42 | Customer services clerks |
| 43 | Numerical and material recording clerks |
| 44 | Other clerical support workers |
| 51 | Personal service workers |
| 52 | Sales workers |
| 53 | Personal care workers |
| 54 | Protective services workers |
| 61 | Market-oriented skilled agricultural workers |
| 62 | Market-oriented skilled forestry, fishery and hunting workers |
| 63 | Subsistence farmers, fishers, hunters and gatherers |
| 71 | Building and related trades workers, excluding electricians |
| 72 | Metal, machinery and related trades workers |
| 73 | Handicraft and printing workers |
| 74 | Electrical and electronic trades workers |
| 75 | Food processing, wood working, garment and other craft workers |
| 81 | Stationary plant and machine operators |

| Code | ISCO-08 sub-major group |
|---|---|
| 82 | Assemblers |
| 83 | Drivers and mobile plant operators |
| 91 | Cleaners and helpers |
| 92 | Agricultural, forestry and fishery labourers |
| 93 | Labourers in mining, construction, manufacturing and transport |
| 94 | Food preparation assistants |
| 95 | Street and related sales and service workers |
| 96 | Refuse workers and other elementary workers |

Reference: International Labour Organization, International Standard Classification of Occupations ISCO-08, Volume I, structure of major and sub-major groups, pp. 66-67. https://isco.ilo.org/en/isco-08/

## Party Ptv

Keys and labels below are the implemented objects present in the supplied full build. National battery membership is fixed by the selected source; a subset run includes only its selected studies. Labels do not establish cross-study entity equivalence.

| Study | entity_key | entity_label |
|---|---|---|
| BES | Q10_CSES_1 | Labour |
| BES | Q10_CSES_2 | Conservatives |
| BES | Q10_CSES_3 | Liberal Democrats |
| BES | Q10_CSES_4 | SNP |
| BES | Q10_CSES_5 | Plaid Cymru |
| BES | Q10_CSES_6 | Greens |
| BES | Q10_CSES_8 | Brexit Party |
| GLES | q145a | CDU/CSU |
| GLES | q145d | SPD |
| GLES | q145e | FDP |
| GLES | q145f | GRUENE |
| GLES | q145g | DIE LINKE |
| GLES | q145h | AfD |
| DPES | N74 | JA21 |
| DPES | P35 | PvdA/GroenLinks |
| DPES | P36 | Volt |
| DPES | P37 | BoerBurgerBeweging (BBB) |
| DPES | P38 | Bij1 |
| DPES | P39 | Nieuw Sociaal Contract (Omtzigt) |
| DPES | P40 | Belang van Nederland (BVNL) |
| DPES | S090 | VVD |
| DPES | S092 | PVV |
| DPES | S093 | SP |
| DPES | S094 | CDA |
| DPES | S095 | D66 |
| DPES | S096 | ChristenUnie |
| DPES | S098 | SGP |
| DPES | S099 | Partij voor de Dieren |

| Study | entity_key | entity_label |
|---|---|---|
| DPES | S101 | DENK |
| DPES | S102 | Forum voor Democratie |
| Selects | f14400a | FDP/PLR |
| Selects | f14400c | SP/PS |
| Selects | f14400d | SVP/UDC |
| Selects | f14400e | GPS/PES |
| Selects | f14400f | GLP/PVL |
| Selects | f14400h | Lega |
| Selects | f14400i | MCG |
| Selects | f14400j | The Centre (former CVP/BDP) |

BES PTV is limited to the CSES module and the documented Scotland/Wales objects. Selects EàG and MCG objects are restricted to their confirmed cantons. DPES combines panel-specific source variables under the documented object mappings.

## Party Liking

Keys and labels below are the implemented objects present in the supplied full build. National battery membership is fixed by the selected source; a subset run includes only its selected studies. Labels do not establish cross-study entity equivalence.

| Study | entity_key | entity_label |
|---|---|---|
| BES | S01_1 | Conservatives |
| BES | S01_2 | Labour |
| BES | S01_3 | Liberal Democrats |
| BES | S01_4 | Brexit Party |
| BES | S01_5 | Greens |
| BES | S01_6 | SNP |
| BES | S01_7 | Plaid Cymru |
| GLES | q17b | CDU |
| GLES | q17c | CSU |
| GLES | q17d | SPD |
| GLES | q17e | FDP |
| GLES | q17f | GRUENE |
| GLES | q17g | DIE LINKE |
| GLES | q17h | AfD |
| ANES | V202433 | Democratic Party |
| ANES | V202434 | Republican Party |
| ITANES | Q16a | Fratelli d’Italia |
| ITANES | Q16b | Lega |
| ITANES | Q16c | Forza Italia |
| ITANES | Q16d | Azione - Italia Viva |
| ITANES | Q16e | Movimento 5 Stelle |
| ITANES | Q16f | Partito Democratico |
| ITANES | Q16g | +Europa |
| ITANES | Q16h | Sinistra Italiana - Europa Verde |
| POLNES | Q16_A | Prawo i Sprawiedliwość (PiS) |
| POLNES | Q16_B | Platforma Obywatelska (PO) |

| Study | entity_key | entity_label |
|---|---|---|
| POLNES | Q16_C | Polskie Stronnictwo Ludowe (PSL) |
| POLNES | Q16_D | Nowa Lewica (NL: SLD i Wiosna) |
| POLNES | Q16_E | Konfederacja Wolność i Niepodległość (Konfederacja) |
| POLNES | Q16_F | Polska 2050 Szymona Hołowni (PL2050) |
| POLNES | Q16_G | Lewica Razem (Razem) |
| POLNES | Q16_H | Suwerenna Polska (SP) |

## Leader Liking

Keys and labels below are the implemented objects present in the supplied full build. National battery membership is fixed by the selected source; a subset run includes only its selected studies. Labels do not establish cross-study entity equivalence.

| Study | entity_key | entity_label |
|---|---|---|
| BES | l01_1 | Corbyn |
| BES | l01_2 | Johnson |
| BES | l01_3 | Swinson |
| BES | l01_4 | Berry |
| BES | l01_5 | Bartley |
| BES | l01_6 | Farage |
| BES | l01_7 | Sturgeon |
| BES | l01_8 | Price |
| GLES | q18a | A. Laschet |
| GLES | q18b | O. Scholz |
| GLES | q18c | A. Baerbock |
| GLES | q18d | A. Merkel |
| GLES | q18e | M. Soeder |
| GLES | q18f | A. Weidel |
| GLES | q18g | C. Lindner |
| GLES | q18h | D. Bartsch |
| GLES | q18i | S. Esken |
| GLES | q18j | J. Meuthen |
| GLES | q18k | W. Kubicki |
| GLES | q18l | J. Wissler |
| GLES | q18m | R. Habeck |
| ITANES | Q17a | Giorgia Meloni |
| ITANES | Q17b | Matteo Salvini |
| ITANES | Q17c | Silvio Berlusconi |
| ITANES | Q17e | Giuseppe Conte |
| ITANES | Q17f | Enrico Letta |
| ITANES | Q17g | Emma Bonino |
| DPES | N144 | Joost Eerdmans |
| DPES | N145 | Laurens Dassen |
| DPES | N146 | Caroline van der Plas |
| DPES | N147 | Edson Olf |
| DPES | P52 | Frans Timmermans |

| Study | entity_key | entity_label |
|---|---|---|
| DPES | P53 | Pieter Omtzigt |
| DPES | P54 | Wybren van Haga |
| DPES | V213 | Dilan Yesilgöz |
| DPES | V215 | Geert Wilders |
| DPES | V216 | Henri Bontenbal |
| DPES | V217 | Lilian Marijnissen |
| DPES | V218 | Rob Jetten |
| DPES | V219 | Mirjam Bikker |
| DPES | V221 | Chris Stoffer |
| DPES | V222 | Esther Ouwehand |
| DPES | V224 | Stephan van Baarle |
| DPES | V225 | Thierry Baudet |
| POLNES | Q17_A | Jarosław Kaczyński |
| POLNES | Q17_B | Mateusz Morawiecki |
| POLNES | Q17_C | Donald Tusk |
| POLNES | Q17_D | Rafał Trzaskowski |
| POLNES | Q17_E | Włodzimierz Czarzasty |
| POLNES | Q17_F | Andrzej Duda |
| POLNES | Q17_G | Władysław Kosiniak-Kamysz |
| POLNES | Q17_H | Szymon Hołownia |
| POLNES | Q17_I | Sławomir Mentzen |

BES leader ratings respect survey-mode and Scotland/Wales restrictions. Unknown or unrated entities are not assigned substantive zeros.

# Appendix F Country and entity codes

These are the numeric labels attached to country_of_birth_cses_d14 in implementation 0.5.16. The dictionary includes historical entities and territories; a code is not a claim of present-day sovereignty. A label can exist in the dictionary without a respondent or study having a valid mapped value. Ambiguous source categories are not forced into this list.

| Code | Country or entity | Code | Country or entity |
|---|---|---|---|
| 4 | Afghanistan | 442 | Luxembourg |
| 8 | Albania | 446 | Macao |
| 10 | Antarctica | 450 | Madagascar |
| 12 | Algeria | 454 | Malawi |
| 16 | American Samoa | 458 | Malaysia |
| 20 | Andorra | 462 | Maldives |
| 24 | Angola | 466 | Mali |
| 28 | Antigua and Barbuda | 470 | Malta |
| 31 | Azerbaijan | 474 | Martinique |
| 32 | Argentina | 478 | Mauritania |
| 36 | Australia | 480 | Mauritius |
| 40 | Austria | 484 | Mexico |
| 44 | Bahamas | 492 | Monaco |
| 48 | Bahrain | 496 | Mongolia |
| 50 | Bangladesh | 498 | Moldova |
| 51 | Armenia | 499 | Montenegro |
| 52 | Barbados | 500 | Montserrat |
| 56 | Belgium | 504 | Morocco |
| 60 | Bermuda | 508 | Mozambique |
| 64 | Bhutan | 512 | Oman |
| 68 | Bolivia | 516 | Namibia |
| 70 | Bosnia and Herzegovina | 520 | Nauru |
| 72 | Botswana | 524 | Nepal |
| 74 | Bouvet Island | 528 | Netherlands |
| 76 | Brazil | 531 | Curaçao |
| 84 | Belize | 533 | Aruba |
| 90 | Solomon Islands | 534 | Sint Maarten (Netherlands) |
| 92 | British Virgin Islands | 535 | Bonaire, Saint Eustatius and Saba |
| 96 | Brunei Darussalam | 540 | New Caledonia |
| 100 | Bulgaria | 548 | Vanuatu |
| 104 | Myanmar | 554 | New Zealand |
| 108 | Burundi | 558 | Nicaragua |
| 112 | Belarus | 562 | Niger |
| 116 | Cambodia | 566 | Nigeria |
| 120 | Cameroon | 570 | Niue |
| 124 | Canada | 574 | Norfolk Island |
| 132 | Cabo Verde | 578 | Norway |
| 136 | Cayman Islands | 580 | Northern Mariana Islands |
| 140 | Central African Republic | 581 | United States Minor Outlying Islands |
| 144 | Sri Lanka | 583 | Micronesia |
| 148 | Chad | 584 | Marshall Islands |

| Code | Country or entity | Code | Country or entity |
|---|---|---|---|
| 152 | Chile | 585 | Palau |
| 156 | China | 586 | Pakistan |
| 158 | Taiwan (Chinese Taipei) | 591 | Panama |
| 162 | Christmas Island (Australia) | 598 | Papua New Guinea |
| 166 | Cocos Islands (Keeling) | 600 | Paraguay |
| 170 | Colombia | 604 | Peru |
| 174 | Comoros | 608 | Philippines |
| 175 | Mayotte | 612 | Pitcairn Islands |
| 178 | Congo (Brazzaville) | 616 | Poland |
| 180 | Congo (Kinshasa) | 620 | Portugal |
| 184 | Cook Islands | 624 | Guinea-Bissau |
| 188 | Costa Rica | 626 | Timor-Leste |
| 191 | Croatia | 630 | Puerto Rico |
| 192 | Cuba | 634 | Qatar |
| 196 | Cyprus | 642 | Romania |
| 200 | Czechoslovakia | 643 | Russia |
| 203 | Czech Republic | 646 | Rwanda |
| 204 | Benin | 652 | Saint-Barthélemy |
| 208 | Denmark | 659 | Saint Kitts and Nevis |
| 212 | Dominica | 660 | Anguilla |
| 214 | Dominican Republic | 662 | Saint Lucia |
| 218 | Ecuador | 663 | Saint-Martin (France) |
| 222 | El Salvador | 666 | Saint Pierre and Miquelon |
| 226 | Equatorial Guinea | 670 | Saint Vincent and the Grenadines |
| 231 | Ethiopia | 674 | San Marino |
| 232 | Eritrea | 678 | Sao Tome and Principe |
| 233 | Estonia | 682 | Saudi Arabia |
| 234 | Faroe Islands | 686 | Senegal |
| 238 | Falkland Islands | 688 | Serbia |
| 239 | South Georgia and the South Sandwich Islands | 690 | Seychelles |
| 242 | Fiji | 694 | Sierra Leone |
| 246 | Finland | 702 | Singapore |
| 248 | Aland Islands | 703 | Slovakia |
| 250 | France | 704 | Vietnam |
| 254 | French Guiana | 705 | Slovenia |
| 258 | French Polynesia | 706 | Somalia |
| 262 | Djibouti | 710 | South Africa |
| 266 | Gabon | 716 | Zimbabwe |
| 268 | Georgia | 724 | Spain |
| 270 | Gambia | 728 | South Sudan |
| 276 | Germany | 729 | Sudan |
| 288 | Ghana | 732 | Western Sahara |
| 292 | Gibraltar | 740 | Suriname |
| 296 | Kiribati | 744 | Svalbard and Jan Mayen Island |
| 300 | Greece | 748 | Eswatini |
| 304 | Greenland | 752 | Sweden |

| Code | Country or entity | Code | Country or entity |
|---|---|---|---|
| 312 | Guadeloupe | 756 | Switzerland |
| 316 | Guam | 760 | Syria |
| 320 | Guatemala | 762 | Tajikistan |
| 324 | Guinea | 764 | Thailand |
| 328 | Guyana | 768 | Togo |
| 332 | Haiti | 772 | Tokelau |
| 336 | Vatican City | 776 | Tonga |
| 340 | Honduras | 780 | Trinidad and Tobago |
| 344 | Hong Kong | 784 | United Arab Emirates |
| 348 | Hungary | 788 | Tunisia |
| 352 | Iceland | 792 | Turkey |
| 356 | India | 795 | Turkmenistan |
| 360 | Indonesia | 796 | Turks and Caicos Islands |
| 364 | Iran | 798 | Tuvalu |
| 368 | Iraq | 800 | Uganda |
| 372 | Ireland | 804 | Ukraine |
| 376 | Israel | 807 | North Macedonia |
| 380 | Italy | 810 | Union of Soviet Socialist Republics |
| 384 | Ivory Coast | 818 | Egypt |
| 388 | Jamaica | 826 | United Kingdom |
| 392 | Japan | 831 | Guernsey |
| 398 | Kazakhstan | 832 | Jersey |
| 400 | Jordan | 833 | Isle of Man |
| 404 | Kenya | 834 | Tanzania |
| 408 | Korea (North) | 840 | United States |
| 410 | Korea (South) | 850 | US Virgin Islands |
| 414 | Kuwait | 854 | Burkina Faso |
| 417 | Kyrgyzstan | 858 | Uruguay |
| 418 | Laos | 860 | Uzbekistan |
| 422 | Lebanon | 862 | Venezuela |
| 426 | Lesotho | 876 | Wallis and Futuna |
| 428 | Latvia | 882 | Samoa |
| 430 | Liberia | 887 | Yemen |
| 434 | Libya | 890 | Yugoslavia |
| 438 | Liechtenstein | 891 | Serbia and Montenegro |
| 440 | Lithuania | 894 | Zambia |