

## Comparative Study of Electoral Systems (CSES) Module 5: Design Report (Sample Design and Data Collection Report)

September 14, 2016

Country: Peru  
Date of Election: April 11, 2021  
  
Prepared by: Arturo Maldonado  
Date of Preparation: May 26th, 2022

### NOTES TO COLLABORATORS:

- Where brackets [ ] appear, answer by placing an “X” within the appropriate bracket or brackets.
- If more space is needed to answer any question, please lengthen the document as necessary.

### **Collaborator(s):**

Collaborators are the contact persons for election studies that appear in the CSES dataset - they are not necessarily the parties who collected the data. These collaborators and their contact information will be listed on the CSES website.

Name: Arturo Maldonado Title: Professor Organization: Grupo de investigación sobre Comportamiento del Elector y Procesos ElectORALES Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú  Address: Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú Av. Universitaria 1801. Lima 32 Perú.  Telephone: +51.1.6262000 Fax: E-Mail: arturo.maldonado@pucp.pe Website:	Name: David Sulmont Title: Professor Organization: Grupo de investigación sobre Comportamiento del Elector y Procesos ElectORALES Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú  Address: Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú Av. Universitaria 1801. Lima 32 Perú.  Telephone: +51.1.6262000 Fax: E-Mail: sulmont@pucp.pe Website:
---	---

<p>Name: Jorge Aragón Title: Professor Organization: Grupo de investigación sobre Comportamiento del Elector y Procesos ElectORAles Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú</p> <p>Address: Departamento de Ciencias Sociales Pontificia Universidad Católica del Perú Av. Universitaria 1801. Lima 32 Perú.</p> <p>Telephone: +51.1.6262000 Fax: E-Mail: jaragon@pucp.pe Website:</p>	<p>Name: Title: Organization:  Address:    Telephone: Fax: E-Mail: Website:</p>
---	---

**Data Collection Organization:**

Organization that conducted the survey field work/data collection:

Organization: Ipsos Group S.A. Address: Av. Reducto 1363, Miraflores, Lima – Perú  Telephone: (511) 6100100 Fax: E-Mail: Solveig.Cornejo@ipsos.com Website: <a href="https://www.ipsos.com/es-pe">https://www.ipsos.com/es-pe</a>
---

**Funding Organization(s):**

Organization(s) that funded the data collection:

Organization: Pontificia Universidad Católica del Perú Address: Av. Universitaria 1801, San Miguel 15088, Lima – Perú.  Telephone: (511) 6262000 Fax: E-Mail: Website: <a href="https://www.pucp.edu.pe/">https://www.pucp.edu.pe/</a>
--

Organization: Address:
---------------------------

Telephone: Fax: E-Mail: Website:
---

Organization: Address:
---------------------------

Telephone: Fax: E-Mail: Website:
---

**Archiving Organization**

If appropriate, please indicate the primary location where the full, original election study dataset (not just the CSES portion) will be archived:

Organization: Pontificia Universidad Católica del Perú  
Address: Av. Universitaria 1801, San Miguel 15088, Lima – Perú.  
  
Telephone: (511) 6262000  
Fax:  
E-Mail:  
Website: <https://www.pucp.edu.pe/>

Please indicate the date when the study is expected to be available at this archive:

### **Study Design**

1. Timing of the study that the CSES Module was included in:

- Post-Election Study (with interviewing starting within 6 months after the election)  
 Post-Election Study (with interviewing starting more than 6 months after the election)  
 Pre-Election/Post-Election Panel Study  
 Between Rounds

2a. Date Post-Election Interviewing Began:

December 22, 2021

2b. Date Post-Election Interviewing Ended:

January 7, 2022

3a. Mode of interviewing for the post-election survey in which the CSES Module appeared:  
(If multiple modes were used, please mark all that apply.)

- In person, face-to-face - using a questionnaire on paper
- In person, face-to-face - using an electronic/computerized questionnaire
- Telephone
- Mail or self-completion supplement
- Internet

3b. Was there a mode change *within* interviews (e.g., selected self-completion elements within the questionnaire)?

- No
- Yes; please provide details:

4a. Was the survey part of a panel study?

- Yes
- No

4b. If the survey was part of a panel study, please describe the design of the panel study, including the date at which interviewing for each prior wave began and ended:

4c. If the survey was entirely or partly conducted via the Internet, please indicate whether it was based on an access panel (i.e. respondents were selected from a group of pre-screened panelists):

- Yes
- No

4d. If the survey was based on an Internet access panel, please describe the access panel (company, population [does it include persons without initial access to the Internet and how are they interviewed], method of recruiting members, total size of access panel, method of selecting survey respondents from the panel):

**Translation**

Please provide copies of questionnaires in all languages used as part of the election study deposit. For questionnaires in a language other than English, please also provide a version of each translated back into English. Note: Questions are based on those developed for the ISSP.

5. Was the questionnaire translated?

- Yes, translated by member(s) of research team
- Yes, by translation bureau
- Yes, by specially trained translator(s)
- No, not translated

6. Please list all languages used for the fielded module:

Spanish

7a. If the questionnaire was translated, was the translated questionnaire assessed/checked or evaluated?

- Yes, by group discussion
- Yes, an expert checked it
- Yes, by back translation
- Other; please specify: \_\_\_\_\_
- No
- Not applicable

7b. If the questionnaire was translated, was the questionnaire pre-tested?

- Yes
- No
- Not applicable

7c. If the questionnaire was translated, were there any questions which caused problems when translating?

- Yes
- No
- Not applicable

7d. If the questionnaire was translated, please provide a list of all questions which caused problems when translating. For each question listed, describe what problems were encountered and how they were solved:

### **Sample Design and Sampling Procedures**

8. Please describe the population that your sample is meant to be representative of:

For the present study, the interviewed sample consisted of a total of 1,206 people who represent a total of 24,290,921 Peruvian citizens over 18 years of age.

### **Eligibility Requirements**

9a. Must a person be a certain age to be interviewed?

Yes

No

If yes, what ages could be interviewed?

18 years +

9b. Must a person be a citizen to be interviewed?

Yes

No

9c. Must a person be registered to vote to be interviewed?

Yes

No

9d. Please list any other interviewing requirements or filters used:

None

## Sample Frame

10a. Were any regions of the country excluded from the sample frame?

Yes

No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10b. Were institutionalized persons excluded from the sample?

Yes

No

If yes, what percent of the total eligible population did this exclude from the sample frame? 0.3 %

If yes, please explain:

If yes, please explain: Mostly people in jail or military personnel living in military facilities

10c. Were military personnel excluded from the sample?

Yes

No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10d. If interviews were conducted by telephone, what is the estimated percentage of households without a phone? \_\_\_\_\_ %

Please explain:

10e. If interviews were conducted by telephone, were unlisted telephone numbers included in the population sampled?

Yes

No

If no, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

10f. If interviews were conducted via the Internet, what is the estimated percentage of households without access to the Internet? \_\_\_\_\_ %

10g. If interviews were conducted via the Internet, were provisions taken to include members of the population without access to the Internet? And if so, which?

Yes

No

If "Yes", please explain:

If "No", what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

10h. Were other persons excluded from the sample frame?

Yes

No

If yes, what percent of the total eligible population did this exclude from the sample frame? \_\_\_\_\_ %

If yes, please explain:

10i. Please estimate the total percentage of the eligible population excluded from the sample frame: 0.3 %

## Sample Selection Procedures

11. Please describe, in your own words, how the sample for the study was selected. If the survey is part of a panel study and/or based on an Internet access panel, please also describe the original sample, from the beginning of the study.

Multiple-stage stratified sampling

12a. What were the primary sampling units?

The primary sampling units are the localities of the country. They are made up of the grouping of some districts forming an urban area of a city.

12b. How were the primary sampling units selected?

The selection of localities performed using systematic random selection proportional to the number of inhabitants of each locality.

12c. Were the primary sampling units randomly selected?

Yes

No

Please explain how the units were randomly selected. If the units were not randomly selected, please provide a justification for why the units were not randomly selected.

Selection was made by computer, with probability-proportional to cluster size (population)

13. Were there further stages of selection?

Yes

No

13a. If there were further stages of selection, what were the sampling units at each of the additional stages?

In the second stage, the zones were selected. The zone is a subdivision of the district defined by the INEI (The National Institute of Statistics) and corresponds to a conglomerate of approximately 40 blocks.

In the third stage, households were selected.

And in the fourth stage, individuals were selected.

13b. If there were further stages of selection, how were the sampling units selected at each of the additional stages?

<b>Sampling Unit</b>	<b>Sampling unit selection type</b>
2. Zones	Probabilistic and systematic selection with random apple start, probability selection proportional to size (dwellings).
3. Households	Probabilistic and systematic selection with random start.
4. Individuals	By quotas of sex, age

13c. If there were further stages of selection, were units at each of these stages randomly selected?

Yes

No

Please explain how the units were randomly selected. If the units were not randomly selected, please provide a justification for why the units were not randomly selected.

Households and Zones were selected by systematic sampling

14a. How were individual respondents identified and selected in the final stage?

Individuals were selected by sex and age quotas

14b. Could more than one respondent be interviewed from a single household?

Yes

No

If yes, please explain:

15. Did the sample design include clustering at any stage?

Yes

No

If yes, please describe:

Localities in the first stage

16. Did the sample design include stratification?

Definition: Stratification involves the division of the population of interest according to certain characteristics (for instance: geographic, political, or demographic). Random selection then occurs within each of the groups that result.

Yes

No

If yes, please describe (please include the list of characteristics used for stratification, and in the case of multi-stage selection processes the stage[s] at which stratification occurred):  
Geographical regions in the country

17. Was quota sampling used at any stage of selection?

Yes

No

If yes, please describe:

In the last stage, individuals were selected based on age and gender quotas.

18. Was substitution of individuals permitted at any stage of the selection process or during fieldwork?

Yes

No

If yes, please describe:

In cases of refusal in a selected household replacement was performed in the adjacent houses in the same housing block.

19. Under what circumstances was a household designated non-sample? Please check all that apply:

Non-residential sample point

All members of household are ineligible

Housing unit is vacant

No answer at housing unit after \_\_\_\_\_ callbacks

Other (Please explain):

20. Were non-sample replacement methods used?

Yes

No

Please describe:

21a. For surveys conducted by telephone, was the sample a random digit dial (RDD) sample?

Yes

No

21b. For surveys conducted by telephone, was the sample a listed sample?

Yes

No

21c. For surveys conducted by telephone, was the sample a dual frame sample?

Yes

No

If yes, what % list frame \_\_\_\_\_ and what % RDD \_\_\_\_\_

22. For surveys conducted by mail, was the sample a listed sample?

Yes

No

Please describe:

23. For surveys conducted on the Internet, did respondents self-select into the survey, at any stage?

Yes

No

Please explain:

## Incentives

24a. Prior to the study, was a letter sent to the respondent?

- Yes  
 No

(If yes, please provide a copy of the letter.)

24b. Prior to the study, was a payment sent to the respondent?

- Yes  
 No

If yes, please describe (including amount of payment):

24c. Prior to the study, was a token gift sent to the respondent?

- Yes  
 No

If yes, please describe:

24d. Did respondent receive an additional payment after their participation? (Do not include any payment made prior to the study.)

- Yes  
 No

If yes, please describe (including amount of payment):

24e. Were any other incentives used?

- Yes  
 No

If yes, please describe:

## Interviewers

25. Please describe the interviewers (e.g., age, level of education, years of experience):

There were 108 interviewers, distributed throughout the national territory. More than 50% of them have 7 years of experience conducting surveys. They have an average of 8 years, 5 months and 27 days of experience carrying out surveys for the company IPSOS. On average, they are 43 years old. All have at least completed secondary education.

Selection of pollsters: for the selection of the team of pollsters, used the following criteria:

1. Be over 18 years old.
2. Have a minimum education of completed high school studies.
3. Have your COVID-19 vaccination certification (two doses).
4. With experience conducting household surveys.

26. Please provide a description of interviewer training. If possible, please differentiate between general interviewer training and study-specific components:

Simulated interviews during training sessions

26a. Please provide a description of the content, structure and time used for general training of interviewers:

The training of the interviewers lasts approximately 2 hours (general and specific training at the same time) in which they review the evaluation instrument, use of attached materials (such as cards) and resolve doubts.

1. Remember biosafety measures during field work: keep social distancing, constant hand washing or sanitizing, and showing from a distance evaluation cards.
2. Present the objectives of the project to be executed.
3. Present the methodology to be used and the modality of recording incidents

26b. Please provided a description of the content, structure and time used for training interviewers in the specifics of the study within which CSES was run:

The training of the interviewers lasts approximately 2 hours (general and specific training at the same time) in which they review the evaluation instrument, use of attached materials (such as cards) and resolve doubts.

1. Review the detailed form of the questionnaire, question by question presenting different scenarios before each one.
2. Solve doubts or reiterate some blocks already reviewed.
3. At the end, each enumerator makes an evaluation. Those who approve participant in the execution of the project. Those who do not, render a second evaluation. Not pass, the participant is removed from the project.

## Contacts

27a. What was the average number of contact attempts made per household, for the entire sample?

1

27b. For households where contact was made, what was the average number of contact attempts prior to first contact?

0

27c. During the field period, how many contacts were made with the household before declaring it a **non-sample**?

1

28d. During the field period, how many contacts were made with the household before declaring it a **non-interview**?

1

28e. During the field period, what were the maximum number of days over which a household was contacted?

1

28f. During the field period, did interviewers vary the time of day at which they re-contacted the household?

Yes

No

If yes, please describe:

## Refusal Conversion

29a. Were efforts made to persuade respondents who were reluctant to be interviewed?

- Yes  
 No

Please describe:

29b. Were respondents who were reluctant to be interviewed sent a letter persuading them to take part?

- Yes  
 No  
(If yes, please provide a copy of the letter or letters.)

If yes, please describe:

29c. Was payment offered to respondents who were reluctant to take part?

- Yes  
 No

If yes, how much?

29d. Were respondents who were reluctant to take part turned over to a more experienced interviewer?

- Yes  
 No

29e. What was the maximum number of re-contacts used to persuade respondents to be interviewed?

1

29f. Were any other methods used to persuade respondents reluctant to be interviewed to take part?

- Yes  
 No

If yes, please describe:

### **Interview/Survey Verification**

Definition: Interview/survey verification is the process of verifying that an interview was conducted and that the survey was administered to the correct respondent, for quality control purposes.

30. Was interview/survey verification used?

Yes

No

If yes, please describe the method(s) used:

Monitoring and verification of identity in real time using the tablet with which the interviewee answers the questions.

If yes, please indicate the percent of completed surveys that were verified: 100%

## Response Rate

Note: If multiple modes of interviewing were used for the post-election survey in which the CSES Module appeared, please repeat the following questions as appropriate for each of the modes used.

31. What was the response rate of the survey that the CSES Module appeared in? Please show your calculations. (If the CSES Module appeared in a panel study, please report the response rate of the first wave of the study, even if the CSES Module did not appear in that wave.)

(E/B \*100)

32. Please provide the following statistics for the survey that the CSES Module appeared in. (If the CSES Module appeared in a panel study, please report the statistics for the first wave of the study, even if the CSES Module did not appear in that wave.)

A. Total number of households in sample:	11330
B. Number of valid households:	10479
C. Number of invalid (non-sample) households:	851
D. Number of households of unknown validity:	0
E. Number of completed interviews:	1206
F. Number of partial interviews:	76
G. Number of refusals and break-offs:	3837
H. Number non-contact (never contacted):	2302
I. Other non-response:	3058

The sum of B+C+D should equal the value of A. If not, please describe why:

If statistic D (number of households of unknown validity) has a value greater than zero (0), please estimate the proportion of households of unknown validity that are valid:

The sum of E+F+G+H+I should equal the value of B. If not, please describe why:

If statistic I has a value greater than zero (0), please describe what cases fall into this category:

33. If the CSES Module appeared in a panel study, how many waves were conducted prior to the wave that included the CSES Module?

34. If the CSES Module appeared in a panel study, what was the total panel attrition between the first wave of the study and the wave that included the CSES Module? Please show your calculations.

35. If the CSES Module appeared in a panel study, please provide the number of completed interviews for the wave that included the CSES Module:

36. If the CSES Module appeared in a panel study, please provide the following statistics for panel attrition by age and education. In each cell, indicate the percent of all completed interviews in each category for the indicated wave.

<b>Age</b>	First wave of study	Wave that included CSES
18-25	%	%
26-40	%	%
41-64	%	%
65 and over	%	%

<b>Education</b>	First wave of study	Wave that included CSES
None	%	%
Incomplete primary	%	%
Primary completed	%	%
Incomplete secondary	%	%
Secondary completed	%	%
Post-Secondary Trade/Vocational	%	&
University incomplete	%	%
University degree	%	%

**Post-Survey Adjustment Weights**

37. Are weights necessary to make the sample representative of the population being studied?

- Yes
- No

If yes, please explain:

There are two weighting variables present in the Peruvian data. Both contain design weights that represent unequal probabilities of selection. The first weighting variable is based on the demographic proportion of each region. The second weighting variable is based on the distribution of socioeconomic status.

38. Are weights included in the data file?

- Yes
- No

39. If weights are included in the data file, please describe in detail how the weights were constructed:

The weights were constructed by adjusting the design weights so that they will replicate the distribution of the socioeconomic status and the population of each region, according to the electoral population distribution from the Registro Nacional de Identificación y Estado Civil (RENEC) – Perú and the Asociación Peruana de Empresas de Investigación de Mercado (APEIM).

Ipsos calculated weights using a software “Quantum Weighting Program, version 11.10”. This software uses a method called Rim Weighting. The calculated weights in each segment are as follows.

	Urban				Rural			
	AB	C	D	E	AB	C	D	E
Metropolitan Lima	0.667	0.948	0.844	0.946	-	-	-	-
North Coast	0.362	1.229	1.163	3.159	-	0.199	0.318	2.045
North Sierra	0.555	0.923	0.843	0.744	0.003	0.116	0.349	2.784
Central Coast	1.358	2.063	2.396	3.083	-	-	-	-
Central Sierra	0.369	0.667	0.940	3.389	-	0.125	0.328	2.906
Southern Coast	0.486	0.725	0.780	5.944	0.171	0.286	0.960	-
Southern Sierra	0.929	1.385	1.213	0.869	0.069	0.409	0.254	2.082
Amazonia	0.312	1.310	1.553	0.927	-	0.445	0.817	2.229

40a. If weights are included in the data file, are the weights designed to compensate for disproportionate probability of selection?

- Yes
- No

If yes, please describe:

40b. If weights are included in the data file, are the weights designed to match known demographic characteristics of the population?

Yes

No

If yes, please describe:

Distribution of the socioeconomic status and population of each region from the Registro Nacional de Identificación y Estado Civil (RENIEC) and the Asociación Peruana de Empresas de Investigación de Mercado (APEIM).

40c. If weights are included in the data file, are the weights designed to correct for non-response?

Yes

No

If yes, please describe:

40d. If weights are included in the data file, are the weights designed to correct to the official election results?

Yes

No

If yes, please describe:

41. Comparison of Completed Interviews to Population (please provide as percentages of the total):

Characteristic	Population Estimates	Completed Interviews	
		Unweighted Distribution	Weighted Distribution
<u>Age</u>			
18-25	19.40%	20.23%	19%
26-42	40.30%	39.97%	40%
43-60	40.30%	39.80%	41%
<u>Education</u>			
None	5.98%	0.33%	0.68%
Incomplete Primary	13.47%	3.81%	4.99%
Primary Completed	11.39%	4.89%	5.75%
Incomplete Secondary	11.42%	9.12%	9.92%
Secondary Completed	26.57%	38.14%	41.76%
Post-Secondary Trade/ Vocational	13.91%	22.14%	20.17%
University Incomplete	7.56%	6.47%	5.42%

University Degree	9.71%	14.93%	10.97%
<u>Gender</u>			
Male	49.80%	50.17%	48%
Female	50.20%	49.83%	52%

42. Please indicate the source of the population estimates in the prior question. English language sources are especially helpful. Include website links or contact information if applicable.

(1) Registro Nacional de Identificación y Estado Civil (RENIEC) - Perú

<http://portales.reniec.gob.pe/web/estadistica/baseDatos>

(2) Instituto Nacional de Estadística e Informática (INEI) - Perú

Encuesta Nacional de Hogares 2016

<http://iinei.inei.gob.pe/microdatos/>

(3) Instituto Nacional de Estadística e Informática (INEI) - Perú

Censo Nacional 2017

<http://censo2017.inei.gob.pe/resultados-definitivos-de-los-censos-nacionales-2017/>