

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

September 14, 2016

Country: Costa Rica
Date of Election: February 04, 2018

Prepared by: Ronald Alfaro-Redondo and Jesús Guzmán-Castillo
Date of Preparation: October, 2019

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.

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Data Collection Organization:

Organization that conducted the survey field work/data collection:

Organization: Political Studies and Research Center (CIEP), University of Costa Rica
Address: San Pedro, Montes de Oca, San José, Costa Rica.

Telephone: (506) 2511-6376
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Funding Organization(s):

Organization(s) that funded the data collection: LAPOP

Organization:
Address:

Telephone:
Fax:
E-Mail:
Website:

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: Political Studies and Research Center (CIEP), University of Costa Rica
Address: San Pedro, Montes de Oca, San José, Costa Rica.

Telephone: (506) 2511-6376

Fax:

E-Mail: ciep@ucr.ac.cr

Website: <https://ciep.ucr.ac.cr/>

Please indicate the date when the study is expected to be available at this archive: early 2020

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:

February 27, 2019

2b. Date Post-Election Interviewing Ended:

March 06, 2019

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:

N/A

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:

The population studied was made up by people over 18 with cell phone. In the case of Costa Rica, 97.5% of people own at least one cell phone. The population were divided into 7 provinces. The sample is representative at the national level.

Eligibility Requirements

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

Yes

No

If yes, what ages could be interviewed?

Over 18 years old

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:

Being the owner of the phone number

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? _____ %

If yes, please explain:

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? 2.5 %

Please explain:

In Costa Rica, 97.5% of the population over 18 years old have at least one cell phone.

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: The only excluded groups are people who live abroad. There are no official estimates of how many individuals are in this condition.

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.

The sample frame consists in the available numbers assigned by operator. Superintendencia of Telecommunications (SUTEL) publishes these numbers, and they are randomly selected, stratified by operator, according to their market share. In this case, 15,000 telephone numbers were selected, from which a real sample of 1500 was obtained. The number of non-activated numbers in the sample frame is approximately 70%, and the non-response rate is 1 out of 3.

12a. What were the primary sampling units?

Cellphone Numbers.

12b. How were the primary sampling units selected?

The Superintendencia of Telecommunications publishes the list of available numbers to be assigned by each operator. They provide blocks of numbers that we use for the selection of the sampling units. We apply a formula that randomize X numbers from the interval of each operator, depending upon the market share. In total, we generated 15,000 numbers in total.

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.

We generated random number using the information provided by SUTEL.

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?

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

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.

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

The person who is the owner of the cellphone number is selected for the final stage.

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:

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):

The sample was stratified by the operators. Each estrato weight according the market share of the operators.

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

Yes

No

If yes, please describe:

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

Yes

No

If yes, please describe:

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 3 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):

All the interviewers were undergraduate students at the University of Costa Rica. No experience was required, and the interviewers were between 18 and 25 years old.

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

The interviewer training lasted approximately 6 hours. In the training, the supervisor explained them the importance of the study, the rules of the process and the steps to conduct each interview. Then, they read the questionnaire and the supervisor answers questions about it. After that, they practiced using a role play with a partner.

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

The training of the interviewers is divided in three sections. The first is an introduction to the Public Opinion Unit, which comments on the work done by the unit, the value and importance of the work to be carried out by each of the interviewers in the quality of data collection. The next section of the training is the detailed explanation of the interviewer's guide, which is a manual that includes the basic instructions for conducting calls, how to use the inputs provided (such as number and telephone sheets) and rules within the laboratory.

The third section is a practice exercise carried out in which the interviewers access the questionnaire on the computer and the questionnaire is read from the beginning to the end. In addition, respondents are given a confidentiality letter where they agree to not sharing data provided in the surveys and the questions in the questionnaire. The estimated time for training is six hours.

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:

Contacts

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

2 contact attempts

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

1.5 contact attempts

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

3 contacts

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

3 contacts

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

6 days.

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:

The interviewers made the calls in different moments during the day, between the 9:00 a.m. and 9:00 p.m.

Refusal Conversion

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

Yes

No

Please describe:

The interviewers suggest them to make appointments for another time available. In this case the interviewer calls them later.

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?

2 re-contacts.

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:

The supervisor calls back a random number to verify some information.

If yes, please indicate the percent of completed surveys that were verified: 5 %

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.)

The response rate is approximately 1 out of 3. In this case, we made 15.000 calls, and 6000 were non-active numbers, according to Sutel. Other 3000 numbers were non-eligible for our study given that some cell phones numbers are activated by tourists or people who live abroad, as well as people under 18 years old.

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:	<u>15000</u>
B. Number of valid households:	<u>4570</u>
C. Number of invalid (non-sample) households:	<u>10430</u>
D. Number of households of unknown validity:	<u>0</u>
E. Number of completed interviews:	<u>1505</u>
F. Number of partial interviews:	<u>4</u>
G. Number of refusals and break-offs:	<u>661</u>
H. Number non-contact (never contacted):	<u>2182</u>
I. Other non-response:	<u>218</u>

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:

In Costa Rica some cell phones numbers are activated by tourists or people who live abroad, as well as people under 18 years old.

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

N/A

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.

N/A

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:

N/A

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.

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

Education	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:

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:

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:

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	18.14%	15.71%	15.99%
26-40	29.95%	24.98%	23.94%
41-64	37.49%	26.24%	26.56%
65 and over	14.42%	33.07%	33.51%
<u>Education</u>			
None	3.25%	1.73%	1.97%
Incomplete Primary	10.88%	N.D.	N.D.
Primary Completed	23.36%	32.89%	37.46%
Incomplete Secondary	21.86%	N.D.	N.D.
Secondary Completed	15.41%	34.75%	37.19%
Post-Secondary Trade/ Vocational	3.82%	N.D.	N.D.
University Incomplete	N.D.	N.D.	N.D.
University Degree	21.41%	27.7%	20.95%
<u>Gender</u>			
Male	48.71%	47.76%	47.33%
Female	51.29%	52.24%	52.67%

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.

Instituto Nacional de Estadísticas y Censos. Encuesta Nacional de Hogares 2019.
<http://www.inec.go.cr/encuestas/encuesta-nacional-de-hogares>