Comparative Study of Electoral Systems (CSES)
Module 4: Design Report (Sample Design and Data Collection Report)
January 15, 2016

Country: Portugal
Date of Election: October 4, 2015

Prepared by: Marina Costa Lobo, Pedro Magalhães and João Tiago Gaspar
Date of Preparation: January 15, 2015

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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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: Institute of Social Sciences – University of Lisbon

Address: Instituto de Ciências Sociais da Universidade de Lisboa
Av. Anibal Bettencourt, 9
1600-189 Lisboa
Portugal

Telephone: +351 217 804 700

Fax: +351 217 940 274

Website: http://www.ics.ul.pt/instituto/

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:
    [X] Post-Election Study
    [ ] Pre-Election/Post-Election Panel Study
    [ ] Between Rounds

2a. Date Post-Election Interviewing Began:

    October 17, 2015

2b. Date Post-Election Interviewing Ended:

    December 9, 2015

3. Mode of interviewing for the post-election survey in which the CSES Module appeared:
(If multiple modes were used, please mark all that apply.)
    [X] In person, face-to-face
    [ ] Telephone
    [ ] Mail or self-completion supplement
    [ ] Internet

4a. Was the survey part of a panel study?
    [ ] Yes
    [X] 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:

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?
    [X] 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:

    Portuguese.

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

        [X] 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?

        [X] Yes
        [ ] No
        [ ] Not applicable

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

        [ ] Yes
        [X] 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 sample is meant to be representative of the population of individuals who live in continental Portugal in private homes, irrespectively of their nationality, who are 18 years old or older.

Eligibility Requirements

9a. Must a person be a certain age to be interviewed?
        [X] Yes
        [ ] No

        If yes, what ages could be interviewed?

        18 years old or older.

9b. Must a person be a citizen to be interviewed?
        [ ] Yes
        [X] No

9c. Must a person be registered to vote to be interviewed?
        [ ] Yes
        [X] No

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

        There were no additional interviewing requirements.

Sample Frame

10a. Were any regions of the country excluded from the sample frame?
        [X] Yes
        [ ] No

        If yes, what percent of the total eligible population did this exclude from the sample frame? 4,87 %

        If yes, please explain:

The autonomous regions / archipelagos of Madeira and Azores were excluded from the sample frame.

Source: http://www.pordata.pt/en/Municipalities/Resident+population++estimates+at+December+31st-120

10b. Were institutionalized persons excluded from the sample?
[X] Yes
[ ] No

If yes, what percent of the total eligible population did this exclude from the sample frame? 0,13%

If yes, please explain:

The interviews were always conducted in private homes. Therefore, institutionalized mental patients and prisoners were excluded from the sample. Unfortunately it is impossible to know exactly how many mental patients are institutionalized in Portugal nowadays, so the figure presented is an estimate.

Source: http://www.pordata.pt/en/Portugal/Prisoners+total+and+in+protective+custody-269

10c. Were military personnel excluded from the sample?
[ ] Yes
[X] 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. Were other persons excluded from the sample frame?
　　[ ] Yes
　　[X] No

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

If yes, please explain:

10g. Please estimate the total percentage of the eligible population excluded from the sample frame: 5%.

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, please also describe the original sample, from the beginning of the study.

The sample was stratified according to NUTS and habitat. The random selection of towns was carried out in accordance with the places included in the General Population Census prepared by Instituto Nacional de Estatística (Statistics Portugal), considering the matrix sampling of NUTS and habitat. Then, in each designated town there was a random selection of sample points. After that, the household selection was done through the random-route method. Finally, in each household, the respondent was always the last person to have had his/her birthday.

12a. What were the primary sampling units?

Urban areas and rural districts were used as primary sampling units (PSU).

12b. How were the primary sampling units selected?

The primary sampling units were selected through random sampling with the possibility of replacement when the chosen individual could not be reached.

12c. Were the primary sampling units randomly selected?
    [X] 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.

    The primary sampling units were stratified according to NUTS and habitat. The archipelagos / autonomous regions of Madeira and Azores were not included in the sample. Therefore the stratification of primary sampling units was done in the 5 first-level NUTS that exist in Continental Portugal: Lisboa (the capital), Norte, Centro, Alentejo and Algarve.

13. Were there further stages of selection?
    [X] Yes
    [ ] No

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

    Firstly localities were randomly chosen. Secondly there were chosen 105 sample points. And finally households were chosen.

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

    The streets were chosen randomly and after that households were chosen through the random-route method.

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.

There were no further stages of selection after the household. The selection of the respondent within a specific household will be explained in the following question.

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

In each household, the respondent should always have been the last person to have had his/her birthday.

14b. Could more than one respondent be interviewed from a single household?
[ ] Yes
[X] No

If yes, please explain:

15. Did the sample design include clustering at any stage?
[ ] Yes
[X] 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.
[X] Yes
[ ] No

If yes, please describe (please include the list of characteristics used for stratification):

The sample was stratified according to NUTS (regions) and habitat only.

17. Was quota sampling used at any stage of selection?
[ ] Yes
[X] No

If yes, please describe:

18. Was substitution of individuals permitted at any stage of the selection process or during fieldwork?
[X] Yes
[ ] No

If yes, please describe:

After the selection of a household, if the last person to have had his/her birthday was not available at the time, there would be 3 more visits in an attempt to reach that specific person. Those 4 visits (at most) would take place during the week and during the weekend at different time periods (morning; afternoon; evening). After a 4th unsuccessful visit the selected individual would be replaced by another individual with similar characteristics (sex, age group and habitat) from a different household.

19. Under what circumstances was a household designated non-sample? Please check all that apply:
[X] Non-residential sample point
[X] All members of household are ineligible
[X] Housing unit is vacant
[ ] No answer at housing unit after ___3____ callbacks
[ ] Other (Please explain):

20. Were non-sample replacement methods used?
[ ] Yes
[X] No

Please describe:

21a. For surveys conducted by telephone, was the sample a random digit dial (RDD) sample?
[ ] Yes
[ ] No

Not applicable.

21b. For surveys conducted by telephone, was the sample a listed sample?
[ ] Yes
[ ] No

Not applicable.

21c. For surveys conducted by telephone, was the sample a dual frame sample?
[ ] Yes
[ ] No

If yes, what % list frame_____ and what % RDD_____

Not applicable.

22. For surveys conducted by mail, was the sample a listed sample?
  [ ] Yes
  [ ] No

  Please describe:

  Not applicable.

23. For surveys conducted on the Internet, did any respondents self-select into the survey?
  [ ] Yes
  [ ] No

  Please explain:

  Not applicable.

Incentives

24a. Prior to the study, was a letter sent to the respondent?
  [X] Yes
  [ ] No

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

24b. Prior to the study, was a payment sent to the respondent?
  [ ] Yes
  [X] No

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

24c. Prior to the study, was a token gift sent to the respondent?
  [ ] Yes
  [X] 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
        [X] No
        If yes, please describe (including amount of payment):

24e. Were any other incentives used?
        [ ] Yes
        [X] No

        If yes, please describe:

Interviewers

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

        The interviewers had specific training – provided by the organization that conducted the field work – before the implementation of the survey and were generally seasoned. The incorporation of inexperienced interviewers did not surpass 25% of all the interviews.

26. Please provide a description of interviewer training:

        Before the implementation of the survey all the interviewers attended workshops provided by the organization thatconducted the field work. Additionally all interviewers attended briefings with at least one member of the research team, regardless of their experience, before the commencement of the field work. They all learned about the purpose and functioning of surveys, how to collect data using CAPI, how to interact with respondents properly and all the procedures underlying a survey like this, such as: how to select a household correctly; how to select the correct respondent; what to do in case of refusal; what to do if the selected person could not be found, among many other contingencies.

Contacts

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

        The average number of contact attempts made per household, for the entire sample, was 3.3.

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

The average number of contact attempts prior to the first contact for households where contact was made was 3.1.

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

4.

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

On average 2.1 contacts were made with the household before declaring it a non-interview.

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

On average 6 days passed between the first contact and the last contact.

28f. During the field period, did interviewers vary the time of day at which they re-contacted the household?
[X] Yes
[ ] No

If yes, please describe:

There was a first visit and then a maximum of 3 re-contacts. Those 4 visits (at most) would take place during the week and during the weekend at different time periods (morning; afternoon; evening).

Refusal Conversion

29a. Were efforts made to persuade respondents who were reluctant to be interviewed?
[X] Yes
[ ] No

Please describe:

Interviewers would try to persuade reluctant respondents by explaining the importance of such a survey.

29b. Were respondents who were reluctant to be interviewed sent a letter persuading them to take part?
[ ] Yes
[X] 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
[X] No

If yes, how much?

29d. Were respondents who were reluctant to take part turned over to a more experienced interviewer?
[X] Yes
[ ] No

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

One re-contact. This was always done by an experienced interviewer.

29f. Were any other methods used to persuade respondents reluctant to be interviewed to take part?
[ ] Yes
[X] 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?
        [X] Yes
        [ ] No

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

        At least 20% of the work delivered by each interviewer was checked directly with the person interviewed, either personally or by telephone. A supervision questionnaire was therefore employed to make sure that every aspect of the interviewers' work was completed suitably, such as: the selection of the household, the selection of the interviewed, the attainment of the conditions necessary for the fitting completion of the interview, the right handling of the cards, as well as the completion of the interview in a reasonable time frame.

        If yes, please indicate the percent of completed surveys that were verified: At least 20% of the work delivered by each interviewer.

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.)

        1499/3327 = 45.06%

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: 3327

      B. Number of valid households: 2906
      C. Number of invalid (non-sample) households: 421
      D. Number of households of unknown validity: 0

      E. Number of completed interviews: 1499
      F. Number of partial interviews: 0
      G. Number of refusals and break-offs: 578
      H. Number non-contact (never contacted):   784
      I. Other non-response: 45

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 that zero (0), please describe what cases fall into this
category:

Into this category fell all cases in which the person selected did not refuse to do the
interview per se but was unable to do it anyway, due to a language barrier, severe physical or
mental disability or prolonged absence during the implementation of the survey.

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

Not applicable.

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.

Not applicable.

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:

     Not applicable.

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.

     Not applicable.

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
     [X] No

     If yes, please explain:

38. Are weights included in the data file?
    [X] Yes
    [ ] No

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

    Weights were constructed considering the population data included in the last General Population Census (2011) prepared by Instituto Nacional de Estatística (Statistics Portugal).

    Source:
    https://www.ine.pt/xportal/xmain?xpid=INE&xpgid=ine_publicacoes&PUBLICACOESpub_boui=73212469&PUBLICACOESmodo=2

40a. If weights are included in the data file, are the weights designed to compensate for disproportionate probability of selection?
    [] Yes
    [X] 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?
    [X] Yes
    [ ] No

    If yes, please describe:

    Weights were designed to match known demographic characteristics of the population, such as: region, gender, age and education.

40c. If weights are included in the data file, are the weights designed to correct for non-response?
    [X] Yes
    [ ] No

    If yes, please describe:

    In order to correct the sample for non-response, individuals in under-represented groups got a weight larger than 1, and those in over-represented groups got a weight smaller than 1.

40d. If weights are included in the data file, are the weights designed to correct to the official election results?
    [ ] Yes
    [X] 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
Age			
18-24	10,46%	6,9%	10,2%
25-44	29,70%	23,2%	29,9%
45-64	23,67%	19,3%	34,2%
65 and over	16,35%	31,4%	25,7%
Education			
None	8,47%	1,9%	5,7%
Incomplete Primary	2,48%	6,2%	4,4%
Primary Completed	29,85%	32,5%	26,7%
Incomplete Secondary	15,73%	22,6%	24,6%
Secondary Completed	16,76%	22,9%	16,9%
Post-Secondary Trade/ Vocational	0,88%	3%	2,2%
University Degree	15,43%	10,5%	19,1%
Gender			
Male	47,78%	42,6%	46,9%
Female	52,22%	57,4%	53,1%

    Brief Note: The age brackets were slightly altered in order to correspond to the data provided by Statistics Portugal. In addition, the category "University Incomplete" was removed from this table since that information is not made available by Statistics Portugal. Without these minor changes this exercise would be unmanageable.

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.

https://www.ine.pt/xportal/xmain?xpid=INE&xpgid=ine_base_dados (in English)