

Deposited by R. Popova

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CSES Module 2: Sample Design and Data Collection Report

Country (Date of Election):	17 th June 2001
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Type of Election (e.g. presidential; parliamentary; legislative): [parliamentary](#)

Organization that Conducted the Survey Field Work: BBSS Gallup International, Bulgaria

Investigators Responsible for Data Collection:

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Languages used in Interviews: (Please provide copies of all survey instruments, and translation for those that were not conducted in English): [Bulgarian](#)

A. Study Design

- [Post-Election Study](#)
- [Pre-/Post-Election Panel Study](#)

Date Post-Election Interviewing Began: 5th July 2001
Date Post-Election Interviewing Ended: 15th July 2001

<i>If Panel Study:</i> Date Pre-Election Interviewing Began: Date Pre-Election Interviewing Ended:
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Mode of (post-election) interview:

- In person, face-to-face
- Telephone
- Mail or self-completion supplement

B. Sample Design and Sampling Procedures

1. Eligibility Requirements

- a) Age: Minimum 18 ; Maximum: Not limited
- b) Citizenship: Yes No
- c) Other requirements: No

2. Sample Frame:

a) Were any regions of the country excluded from the sample frame?
No Yes :

b) Were institutionalized persons excluded from the sample?
No Yes :

c) Were military personnel excluded from the sample?
No Yes :

d) If interviews were conducted by telephone:
What is the estimated percentage of households without a phone: ____%

Were unlisted telephone numbers included in the population sampled?
Yes No

Were substitution methods used for unproductive sample points? No Yes :
.....
.....
.....

e) Were other persons excluded from the sample frame: No Yes :
.....
.....

.....

f) Estimated total (a + b + c + d + e) percentage of the eligible population excluded from the sample frame: 19.19 % under 18 y.o.

2. Sample Selection Procedures:

- a) What were the primary sampling units? Were the primary sampling units randomly selected? No (28 administrative regions) Yes (Please Describe):

The sample was designed to represent the national population in voting age by: region, urban/rural residence, gender, age & ethnicity.

In carrying out all surveys that are representative of the adult population aged 18+ in Bulgaria, BBSS employs the pattern of double-clustered random sampling. For this survey double-clustered random sampling with universe stratification by regions (28 in total) was used. As a basis for the sample the database of ESGRAON was used which is the best one currently available in Bulgaria. This register system contains every inhabitant in terms of the following characteristics:

- full three names of each person;
- address (settlement, street and number of home of the person).

Upon this basic information various other aggregates are later superimposed, such as:

- election precincts
- settlements
- municipalities
- regions.

For the purposes of the sampling design procedure, the following steps were made:

- universe was stratified by regions (28 in total);
- lists of election precincts in each of the regions was prepared containing the number of persons aged 18+ in each precinct;
- given the targeted size of the final sample (1620), the number of individuals to be interviewed in each region was determined. This size is in direct proportion to the relative share of the respective region within the universe;
- next stage relates to random selection of sampling points to be used in the survey.

Within conditions such as the above, the random selection of the sampling points was done by the following algorithm:

- (1) Calculation was made of the number of clusters to be achieved in each region (number is proportional to the size of the region);
 - (2) Sampling points in each region were arranged in a descending order based on the criterion "number of persons aged 18+ in the cluster". (NB: sampling points, that is, election precincts are comparatively uniform in terms of scale. Each sampling point (cluster) contains between 400 – 1 000 persons aged 18+.);
 - (3) A cumulative column was formed by the number of individuals contained in each cluster;
 - (4) Based on this cumulative column, the systematic selection was achieved of the necessary number of sampling points starting by using a random start-up figure, and then a step was applied for moving down the cumulative column which step is the quotient of the size of the regional sub-universe and the number of addresses in each sampling point.
- This procedure was repeated in each one of the 28 regions with the final result being formation of the list with the 180 clusters (sampling points).

The transition from "sampling point" to "persons with addresses" was achieved through systematic stepped selection from the initial list of individuals in each election precinct; The final product of this procedure was a list of 1980 persons with their full three names and precise addresses, that were grouped per sampling point, settlement and region.

Sampling plan implementation

- Number of sampling points – 180
- Addresses provided for the interviewing - list of 1980 (11 for each sampling point)
- Number of effective interviews per sampling point requested - 9
- Realized attempts at interviewing during the fieldwork - with 1864 addresses (94.14%)
- Effective interviews – 1620
- Effective interviews received after the end of the fieldwork – 12 (out of the total effective interviews)
- Effective interviews after quality control procedures – 1482 (92.22%)

Principles

Method of registration: "face-to face" in-home interview, paper and pencil.

The following principles were observed during the practical implementation of the sample achieved:

- interviewers should start with the first address on the list;
- provided that the addressee is real (the identified person does live at this address) up to 3 attempts at contact with this person are made;
- no replacement is allowed of this person with another person (regardless of whether this might involve persons within the same household or living at other addresses);
- provided that the person does not live any longer at the specified address, or will not be available at this address during field work, or refuses co-operation: then it is proceeded to another person/address **from the list**;
- In the occasion that all of the addresses from the list are tried and nevertheless insufficient number of effective interviews is done, the procedure is to ask the central office of BBSS for additional addresses for the same electoral precinct.

Quality control / back-checks on fieldwork

15% of the effective interviews (241 out of 1608) were subject to the back-checks. The distribution of the back-checks was according to the relative share of the respective region in the sample.

Three options for back-checks were used in the following proportion:

1. Direct supervision during interview - 5%
2. Back-check in person by supervisor/ local controller - 50%
3. Back-check by telephone by local supervisor or BBSS control main office - 45%

b) Were there further stages of selection? No Yes (Please Describe):

.....

c) How were individual respondents identified?

.....

e) Under what circumstances was a sample line designated non- sample?
 (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 visits callbacks
- Other, explain:

f) Were non-sample replacement methods used? No Yes

(Please Describe):

.....
.....

For surveys conducted by telephone:

Was the sample a random digit dial sample? Yes No

Was the sample a listed sample? Yes No

Was the sample a dual frame? No Yes with % list frame and % RDD

For surveys conducted by mail:

Was the sample a listed sample? Yes No (Please Describe):.....

.....
.....

4. Compliance

a) Prior to the study was:

a letter sent to respondent? No Yes (Please Include with Deposit

payment sent to respondent? No Yes , in the amount of:.....

a token gift sent to respondent? No Yes (Please Describe):

.....
.....

any other incentives used? No Yes (Please Describe):

.....
.....
.....

b) During the Field Period

How many contacts were made with the household before declaring it non-sample? 3 visits

How many contacts were made with the household before declaring it non-interview? 3 visits

Maximum number of days over which a household was contacted: up to the end of the fieldwork

Did interviewers vary the time of day at which they re-contacted the household?
No Yes (Please Describe): *yes, depending on the interviewer's judgment*

c) Refusal Conversion

Was an effort made to persuade respondents who were reluctant to be interviewed? No Yes (Please Describe): *the interviewer explains that the information provided by the respondent will be kept in confidentiality, will be used for statistical purposes only combined with the answers of other people*

Were respondents who were reluctant to be interviewed sent a letter persuading them to take part?
No Yes (Please Describe/ Include with Deposit):

Was payment offered to respondents who were reluctant to take part?
No
Yes , in the amount of:

Were respondents who were reluctant to take part turned over to a more experienced interviewer?
Yes No

What was the maximum number of re-contacts used to persuade respondent to be interviewed?
No additional contacts were made after the respondent has refused

Were any other methods used to persuade respondents reluctant to be interviewed to take part? No Yes (Please Describe):

5. Response Rate (to first wave if a panel study)

Total number of sample lines issued: _____
Number of refusals: _____
Number never contacted (no-contact): _____
Other non-response: _____
Number of lines of non-sample: _____
Total number of completed interviews: _____

Response Rate: _____

Panel Attrition (NOTE: Complete only if CSES questionnaire is administered as part of a 2-wave panel study):

Total number of respondents in Wave I of the study: _____

Number of Wave I respondents re-interviewed in wave containing CSES
Module:

Percent total panel attrition:

Panel attrition by age and education: (% re-interviewed):

18-25%	None%
26-40%	Incomplete primary%
41-65%	Primary completed%
65 & over%	Incomplete secondary%
		Secondary completed%
		University incomplete%
		University degree%

6. Sample Weights

a) Are weights included in the data-file? No Yes (Please Describe their Construction): rim weighting procedure on the following factors (weights are based on data provided by the National Statistical Institute:

gender

age

ethnicity

type of residence capital city vs. city vs. town vs. village

b) Are the weights designed to compensate for disproportionate probability of selection at the person or household level? No Yes (Please Describe):

.....

c) Are the weights designed to match known demographic characteristics of the population? No Yes (Please Describe): [In accordance with official data provided by the National Statistical Institute](#)

d) Are the data weighted to correct for non-response? No Yes (Please Describe):

7. a) Please describe the interviewers (age, level of education, and years of experience):

[A total number of 27 regional supervisors \(each responsible for the region\) were employed. "Fieldwork department" of BBSS supervised the fieldwork in Sofia.](#)

[Each supervisor was provided with the full list with names and addresses for their respective regions.](#)

[A total of 112 interviewers were employed in the survey.](#)

[Out of the total, 26 of them are males and 86 females.](#)

10 persons are between 18-25 years old, 32 are aged 26-35, 46 interviewers are between 36-47, 21 between age 48-58. There are 3 interviewers between 58-62 years old.

b) Description of interviewer training:
 Interviewers and Local Supervisors attend a meeting with the project managers (fieldwork manager and a senior researcher) on which the sample method, the objectives of the survey, the interviewing procedures are explained. If necessary some training/ preliminary interviews are done
 In addition each interviewer and local supervisor is given a letter of instructions regarding the survey.
 Each interviewer and supervisor signs a declaration that (s)he has followed strictly these instructions

XIV. Comparison of Sample to Population

Characteristic	Population Estimates	Sample Estimates	
		Un-weighted	Weighted
<u>Age</u>			
18-24	12%	12.50 %	12%
25-39	24%	21.54%	24%
40-64	42%	39.22%	42%
65 and over	21%	26.74%	21%
Total:	6 407 983 (100%)	100% =1482 cases	100% = 1482
<u>Education</u>			
Ph.D., Specialization	0.5%	0.5%	0.5%
University	10%	9.9%	10.5%
College	5%	5.1%	5%
Secondary High School	17%	16.9%	17%
Secondary Vocational	33%	30.6%	32.8%
Primary	25%	26%	24.8%
Bellow Primary	9.5%	10.9%	9.3%
<u>Gender</u>			
Male	49%	45%	48.38%
Female	51%	55%	51.62%