



The WORLD VALUES SURVEY ASSOCIATION

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**SURVEY METHODOLOGY REPORT**

**METHODOLOGICAL QUESTIONNAIRE**

**(TO BE COMPLETED AND SENT TO THE DATA ARCHIVE**

**JOINTLY WITH THE DATA FILE)**

|                                 |   |
|---------------------------------|---|
| Country:                        | Singapore   |
| Organization:                   | National University of Singapore, Institute of Policy Studies<br>Social Lab |
| Principal Investigator:         | Dr Mathew Mathews   |
| E-mail (primary contact):       | mathew.mathews@nus.edu.sg   |
| Person in charge for fieldwork: | Ms Tan Gek Jee  |
| E-mail (secondary contact):     | kaykey.teo@nus.edu.sg   |



**SECTION 1: THE QUESTIONNAIRE**

1. Have any optional questions and/or items been included?

No ☒

Yes (PLEASE WRITE IN QUESTION AND/OR ITEMNUMBERS BELOW )

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2. Were country-specific questions, and/or items i. e. neither compulsory nor optional WVS questions, or questions included in the survey?

No country-specific questions included

☐

Go to Q 4

Country-specific questions were included

☒

**ANSWER IF THERE WERE COUNTRY-SPECIFIC QUESTIONS**

3. Were country specific questions included at the end of the questionnaire, just before the demographics?

Yes

☒

**GO TO Q 4**

No

☐

3a Please indicate the location of the country-specific questions which were not at the end of the questionnaire

WRITE IN BELOW :

Social Values, Attitudes & Stereotypes (S1, S2)

Social Capital, Trust & Organisational Membership (S3, S4)

Science & Technology (S5, S6)

Political Interest & Political Participation (S7-S11)

**EVERYONE PLEASE ANSWER**

4. Were all questions asked in the prescribed order?



Yes ☒

No ☐

5. Were all core questions included in your questionnaire (by core we mean all items except those that were optional)?

No - some question(s) from WVS questionnaire not included ☒ → ANSWER

Q141, Q221, Q223, Q255, Q256

No - some demographic question(s) not included ☐ → ANSWER

Yes - all questions included ☐ → SECTION 2

**IF ANY CORE or DEMOGRAPHIC WVS QUESTIONS WERE NOT INCLUDED**

6. Please write in details of the items and the reasons why they were not included.

*question number or description of question:*

Q141 – carried a knife, gun or other weapon for security

Q221 – vote in elections: local level

Q223 – which party would you vote for if there were a national election tomorrow

Q255 – Feel close to your village, town or city

Q256 – Feel close to your district, region

*Reason(s) not included:*

Q141 – it is illegal in Singapore for private citizens to carry arms, so we excluded this question

Q221 – there are only national elections in Singapore

Q223 – the previous government's term was almost up, so new national elections were due in 2020. This question was excluded to prevent any overlaps in fieldwork and the election, since exit polls are not allowed in Singapore.



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Q255 & 256 – as the geographical areas in which people identify with were not fully in sync with the way the original questions were asked in WVS, they were rephrased and therefore included as country-specific questions instead

## SECTION 2: SAMPLING

7. Was your sample designed to be representative of the entire adult population, i. e. 18 years and older, of your country?

Yes

☐

**GO TO Q 9**

NO

☐

**ANSWER**



**IF NOT DESIGNED TO BE REPRESENTATIVE**

8. Which groups were excluded from, under-represented or over-represented in your sample design?

Excluded (PLEASE SPECIFY):

18-20 year-olds were excluded

Over-represented: (PLEASE SPECIFY):

Under-represented (PLEASE SPECIFY):

**EVERYONE PLEASE ANSWER**

9. What was the lower age cut-off for your sample?

Yes - please write in cut-off 

|   |   |
|---|---|
| 2 | 1 |
|---|---|

No cut-off 

|  |
|--|
|  |
|--|

10. Was there any upper age cut-off for your sample?

Yes - please write in cut-off 

|  |  |
|--|--|
|  |  |
|--|--|

No cut-off 

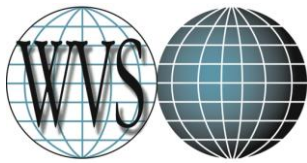
|  |
|--|
|  |
|--|

11. What were the different stages in your sampling procedure?

*PLEASE WRITE IN:*

Source of sampling frame came from Department of Statistics where they maintain a sampling frame of residential addresses for the selection of samples for the conduct of household surveys. Sample will then be selected based on proportionate stratified design of broad dwelling type

12. What was the final number of clusters or sampling points?



No clusters ☒

WRITE IN:

13. What was the sampled unit you got from office sampling?

Address ☒ → **ANSWER**

Household ☐ → **ANSWER**

Named individual ☐ → **GO TO 17**

Other (PLEASE WRITE IN DETAILS BELOW) ☐ → **ANSWER**

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**IF NAMED INDIVIDUAL WAS NOT THE SAMPLED UNIT**

14. What selection method was used to identify a respondent?

PLEASE SPECIFY:

Social Lab obtained a listing of randomly generated household addresses by the Department of Statistics. Such listings of household addresses can be purchased by the public. Such frameworks do not provide names, only a random set of household addresses. Social Lab then approach approximately 3,000 households to recruit the ,2000 respondents who agreed to participate in the study.

Notification letters were sent to these selected households to inform them about the study before interviewers from Social Lab visited them in their homes so that potential respondents could make informed decisions about their participation. Only Singaporean citizens and Permanent Residents who are 21 years and older will be eligible to participate in the study. The rule for choosing the respondent was the person with the last celebrated birthday amongst those who were at home at the time of the house visit.

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15. Were there any quota-controls on the type of individual selected to take part in the survey (for example, age or sex controls)?

Yes ☐ → **ANSWER**

No ☒ → **GO TO 17**



**IF QUOTA CONTROLS**

16. In what way were quota controls used?

*PLEASE WRITE IN:*

**EVERYONE PLEASE ANSWER**

17. Was substitution permitted at any stage of your selection process or during fieldwork?

Yes ☒ → **ANSWER**

No ☐ → **GO TO 19**

**IF 'YES'**

18. In what way was substitution permitted?

*PLEASE WRITE IN:*

Replacement of household within the same block and dwelling type was only allowed after 3 visits across different time zones (Weekday afternoon, night and weekends).

**EVERYONE PLEASE ANSWER**

19. Did you use any stratification factors when drawing your sample?

Yes ☐ → **ANSWER**

No ☒ → **GO TO 21**

**IF STRATIFICATION FACTORS USED**

20. What stratification factors were used, and at what stage(s) of selection?



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*PLEASE WRITE IN:*





## EVERYONE PLEASE ANSWER

21. All in all, what are the known limitations of your realized sample?

For example: non-response rate; is there differential coverage of particular groups, either because of sample design or response differences?

% response or % non-response: PLEASE WRITE IN:

Around 67% response rate based on initial sampling frame (N=3,000).

3.4% called or emailed to refuse participation after receiving the letter of invitation. Face-to-face refusal was 18.6% of the initial sampling frame.

Same as most studies, respondents from the younger age group, given their high mobility, were most difficult to locate despite interviewers making multiple visits. They were usually working late or not back from school. This group was likely to be more educated and have greater exposure to social media. As part of research protocol, door knocks cannot be made later than 9.30pm to avoid disturbing these households.

22. Please fill in the following details about your sample. If some categories do not apply, please complete to the highest level of detail possible and use the 'other' box to give more information.

|  |                                |                                |                                |                                |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Total number of <u>starting</u> names/addresses                                | <input type="text" value="3"/> | <input type="text" value="0"/> | <input type="text" value="0"/> | <input type="text" value="0"/> |
| - addresses which could not be traced at all                                   | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - addresses established as empty, demolished or containing no private dwelling | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - selected respondent too sick/incapacitated to participate                    | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - selected respondent away during survey period                                | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - selected respondent had inadequate understanding of language of survey       | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - no contact at selected address   | <input type="text" value="3"/> | <input type="text" value="6"/> | <input type="text" value="9"/> | <input type="text"/>           |
| - no contact with selected person  | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - refusal at selected address  | <input type="text" value="5"/> | <input type="text" value="6"/> | <input type="text" value="0"/> | <input type="text"/>           |
| - proxy refusal (on behalf of selected respondent)                             | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - personal refusal by selected respondent                                      | <input type="text" value="1"/> | <input type="text" value="0"/> | <input type="text" value="2"/> | <input type="text"/>           |
| - other type of unproductive (please write in full details in the box below)   | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - full productive interview  | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |
| - partial productive interview   | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           | <input type="text"/>           |



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**IF 'OTHER' CATEGORY USED**

23. Please specify

As the sampling frame provided only the address, selection of the respondent was conducted based on the member (Singaporean/PR, 21 years old or above) with the last birthday celebrated at the time of visit.



**SECTION 3: FIELDWORK**

24. If interviews were not face-to-face, please specify the way of interviewing:

25. The next group of questions are about interviewers.

If no interviewers were used at any point in the WVS survey, please go to Q26.

**IF INTERVIEWERS USED**

- a. Were interviewers paid according to performance (for example, according to the number of interviews they obtained)?

Yes ☒

No ☐

- b. Which, if any, of these rules governed how an interviewer approached an address/household?

*PLEASE TICK THOSE THAT APPLY*

Calls must be made at different times of day ☒

Calls must be made on different days of week ☒

Neither of the above ☐

- c. Were interviewers required to make a certain number of re-calls before they stopped approaching an address or household?

Minimum number of re-calls required - please write in number

No minimum re-call requirement ☐

- d. Were any interviews supervised?

Yes - please write in approximate proportion  %

No ☒

- e. Were any interviews back-checked?

Yes - please write in approximate proportion   %

No ☐



**EVERYONE PLEASE ANSWER**

26. Please write in the approximate start and end dates of fieldwork: **DD MM YY**

Start date 

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 1 | 1 | 1 | 1 | 9 |
|---|---|---|---|---|---|

End date 

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 5 | 0 | 3 | 2 | 0 |
|---|---|---|---|---|---|

27. Please write in the name of the institute which has done the fieldwork.

Institute of Policy Studies Social Lab

**SECTION 4: DATA**

28. Were any measures of coding reliability employed?

Yes → ☐ **ANSWER**  
No → ☒ **GO TO 29**

28a. Which one? Please specify

29. Were the data from the questionnaire keyed subsequent to the interview (that is, non-CAPI surveys)?

Yes → ☐ **ANSWER**  
No → ☒ **GO TO 31**

**IF DATA KEYED**

30. Was keying verified?

Yes - please write in approximate level of verification 

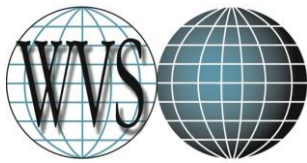
|  |  |  |
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|  |  |  |
|--|--|--|

 %  
No ☐

**EVERYONE PLEASE ANSWER**

31. Were any reliability checks made on derived variables?

Yes ☒  
No ☐



32. Were data checked/edited to ensure that filter instructions were followed correctly?

Yes ☒

No ☐

33. Were data checked/edited for logic or consistency?

Yes ☒

No ☐

34. Were data checked/edited to ensure they fell within permitted coding ranges?

Yes ☒

No ☐

35. Have you answered 'yes' on any or all of questions 32 to 34 above?

Yes ☒ → **ANSWER**

No ☐ → **GO TO 37**

**IF DATA CHECKED/EDITED**

36. Were errors corrected individually or automatically (through, for example, a 'forced' edit)?

Yes - individual correction ☒

Yes - automatic correction ☐

No - not corrected ☐

**EVERYONE PLEASE ANSWER**

37. Did you add a weight variable?

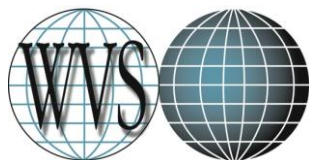
Yes ☒ → **ANSWER**

No ☐ → **GO TO 39**

**IF WEIGHT VARIABLE ADDED**

38. Please describe the weighting or post-stratification strategy used.

Weighting was done by interlocking age, race, and gender. The weight factors were derived based on the 2019 national population statistics: <https://www.singstat.gov.sg/-/media/files/publications/population/population2019.pdf>



## SECTION 5: CHARACTERISTICS OF NATIONAL POPULATION

39. Each member is asked to provide information on known characteristics of its national population, from census or the best available estimates from government surveys or other high-quality data-sources:

- sex distribution of the population
- age distribution of the population
- education (years of schooling) of the population
- other characteristics (PLEASE SPECIFY)

Please specify also the sources which have been used. Please note that the number of characteristics is what is minimal required. You can add as many characteristics as you like, but do not forget to specify them.

In the table below please present the information from census or from other government surveys or other high-quality data (column SOURCE 1) and the proportions obtained in your data, before and after weighting

|  | Source:   | Unweighted data | Weighted data |
|--|---|-----------------|---------------|
| <b>Gender</b>                                  |   |                 |               |
| Female   | 51.1%   | 54.1%           | 51.5%         |
| Male   | 48.9%   | 45.9%           | 48.5%         |
| <b>Age Groups</b>                              |   |                 |               |
| 21 - 29 years                                  | 15.4% (estimated for lowest age band as numbers were reported for 20-24, 25-29) | 16.7%           | 16.1%         |
| 30 - 39 years                                  | 18.8%   | 18.1%           | 19.7%         |
| 40 - 49 years                                  | 19.4%   | 19.2%           | 20.6%         |
| 50 - 59 years                                  | 19.2%   | 19.2%           | 18.2%         |
| 60 years & +                                   | 27.2%   | 26.8%           | 25.4%         |
| <b>Years/Schooling Groups</b>                  |   |                 |               |
| Primary/secondary school                       | 44.3% (residents aged 25 and above)   | 35.6%           | 34.3%         |
| Post-secondary (non-tertiary)                  | 9.1% (residents aged 25 and above)  | 11.1%           | 11.0%         |
| Diploma & professional qualification           | 15.1% (residents aged 25 and above)   | 20.0%           | 20.6%         |
| Incomplete/Complete university-level education | 31.6% (residents aged 25 and above)   | 33.3%           | 34.7%         |
|  |   |                 |               |



|                              |       |       |       |
|------------------------------|-------|-------|-------|
| <b>Other characteristics</b> |       |       |       |
| Dwelling type                |       |       |       |
| HDB flats (public housing)   | 78.7% | 83.3% | 83.3% |
| Condominium                  | 15.9% | 12.7% | 12.7% |
| Landed properties            | 5.1%  | 4.0%  | 3.9%  |
|                              |       |       |       |
| <b>Ethnicity</b>             |       |       |       |
| Chinese                      | 74.4% | 77.0% | 76.1% |
| Malay                        | 13.4% | 11.7% | 12.2% |
| Indian                       | 9.0%  | 9.4%  | 8.6%  |
| Others                       | 3.2%  | 1.8%  | 3.1%  |