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Chapter 9: Why do Interviewers Vary in Achieving Interview Privacy and Does Privacy Matter? Appendix 9

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Chapter 9: Why do Interviewers Vary in Achieving Interview Privacy and Does Privacy Matter?

Appendix 9

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Full book reference:

Olson, K., J. D. Smyth, J. Dykema, A. L. Holbrook, F. Kreuter, B. T. West. 2020. *Interviewer Effects from a Total Survey Error Perspective*. Boca Raton: CRC Press.

Appendix 9A

Table A9A.1 Description and univariate distribution of measures used in models

Variable	Question wording / Item description	Coding of response options	Distribution
Dependent Variables			
Third party presence at any point in the interview	Third party presence (aged 5+) during at least one section of the interview	1 = Someone aged 5+ present; 0 = No one aged 5+ present	36%
Smoker	Are you a current smoker, ex-smoker, or have you never smoked?	1 = Current or ex-smoker; 0 = Never smoker	23%
Suicide	Have you ever seriously thought about committing suicide?	1 = Yes; 0 = No	5%
Anger/Injure/Threaten	Did you ever have attacks of anger when you hit someone or tried to hurt someone or when you threatened to hit or hurt someone?	1 = Yes; 0 = No	32%
Ever physically abused a spouse ¹	Over the course of your marriage, how often have you ever done any of these things (pushed, grabbed, or shoved; threw something; slapped or hit) to your spouse?	1 = Often, sometimes, rarely; 0 = Never	19%
Ever been a victim of spousal physical abuse	Over the course of your marriage, how often has your spouse ever done any of these things (pushed, grabbed, or shoved; threw something; slapped or hit) to you?	1 = Often, sometimes, rarely; 0 = Never	15%
Marriage rating	Based on a 0 – 10 scale where 0 means ‘the worst possible marriage’ and 10 means ‘the best’, how would you rate your current marriage(s)?	Range 0 – 10 (Mean reported)	8.3
Polygamy endorsement	Mean of responses to 14 statements about polygamy (each variable coded so that “5” indicates strong endorsement of polygamy): <ul style="list-style-type: none"> • Polygamy is a Sunnah that must be followed • Polygamy is a system of the past that is no more suitable • Polygamy is a tradition that should be maintained. • Most men in polygamous marriages are happy. • Most women in polygamous marriages are happy. 	1 = Lack of endorsement of polygamy; 5 = Strong endorsement of polygamy (Mean reported)	2.9

¹ Weighted percentages of respondents indicating the responses coded in these analyses as “1” are reported in this table for most variables. Where mean is reported rather than frequency, we note it accordingly. Frequency distributions are calculated using only those respondents who were asked these questions. For example, questions about spousal physical abuse were only measured among ever married respondents.

- Women in polygamous marriages are more satisfied than women in monogamous marriages.
- The system of polygamy is no longer effective in today's society.
- Men in polygamous marriages are more satisfied than men in monogamous marriages.
- Today's women should avoid entering into polygamous marriages
- Men should be discouraged from entering into polygamous marriages.
- Children of polygamous marriages are worse off than children of monogamous marriages.
- Polygamy is a social system of sexism.
- Children of polygamous marriages have more resources than children of monogamous marriages.
- Wives of a polygamous marriage are usually treated equally.

Polygamy acceptable if finances permit	If a man has the financial means to support more than one wife, when do you feel it is acceptable for the man to marry a second wife?	1 = All the time, sometimes; 0 = Never	81%
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Independent Variables

Respondent

Demographics

R Gender	Respondent gender	1 = Male; 0 = Female	50%
R Marital status	Current marital status and current polygamy status		
	Currently married and never in a polygamous marriage	1 = Current condition; 0 = Else	46%
	Currently married and in a polygamous marriage	1 = Current condition; 0 = Else	3%
	Currently married and previously in a polygamous marriage	1 = Current condition; 0 = Else	2%
R Age	What is your age? (Reference category: Age 15 – 17)		
	Age 18 – 29	1 = Current age; 0 = Else	37%
	Age 30 – 44	1 = Current age; 0 = Else	32%
	Age 45 – 54	1 = Current age; 0 = Else	13%
	Age 55 – 65	1 = Current age; 0 = Else	8%
R Education	What is the highest grade of school or year of college you completed? (Reference category: Less than Grade 7)		
	Low level of education (7 th – 9 th grade)	1 = Grades 7 – 9; 0 = Else	14%

	Medium level of education (Some high school/college)	1 = Grades 10 – 15; 0 = Else	50%
	High level of education (Completed college)	1 = Year 16+; 0 = Else	19%
R Social phobia	Composite item using several variables, calculated according to DSM-IV Social Phobia diagnosis (12 month) ²	1 = Diagnosis; 0 = No diagnosis	9%
R Disability status	Respondent reporting of the following disabilities ³ (Reference category: No disability)		
	Current physical disability <ul style="list-style-type: none"> • Disability1: Blind or deaf, have a serious hearing or vision impairment, or have a serious speech impairment • Disability2: Any missing limbs or paralysis • Disability3: Any other physical impairment, disfigurement, or handicap 	1 = Disability 1 thru 3; 0 = Else	4%
	Current other disability <ul style="list-style-type: none"> • Disability4: Any other serious chronic physical illness • Disability5: Temporary physical illness/disability • Disability6: Concentration, memory, or decision making problems • Disability7: Serious learning disability, Down Syndrome, or mental retardation • Disability8: Manic depression, schizophrenia, or any other serious emotional problem 	1 = Disability 4 thru 8; 0 = Else	12%
Social conformity	Summary of responses to the five following items, where (1 = True; 0 = False) for each item <ul style="list-style-type: none"> • I never met a person I didn't like. • I have always told the truth • I have never been bored • I never get lost, even in places I've never been before • I have never lost anything 	5 = High social conformity; 0 = Low social conformity (Mean reported)	1.80

² American Psychiatric Association. (1994). DSM-IV: Diagnostic and Statistical Manual of Mental Disorders, 4th edition.

³ If respondent reports both physical and mental disability, only physical disability is recorded.

Household size	Household size computed from household roster		
	Household size 5 – 7 members	1 = 5 – 7 members; 0 = Else	42%
	Household size 8+ members	1 = 8+ members; 0 = Else	38%
Rural area	Household located in rural or urban area per PSU designation	1 = Rural; 0 = Urban	17%
Region	Region of country in which household is located (Reference category: Central region)		
	Eastern region	1 = Eastern region; 0 = Else	18%
	Northern region	1 = Northern region; 0 = Else	7%
	Southern region	1 = Southern region; 0 = Else	11%
	Western region	1 = Western region; 0 = Else	31%

Interview Context

Time of interview	Timing of interview based on time/date stamps (Reference category: Interview starts/ends fully outside working days/hours)		
	Interview fully during working days/hours	1 = Interview starts/ends during working days/hours; 0 = Interview at least partially outside working days/hours	17%
	Interview both during and outside working days/hours	1 = Interview occurs both within and outside working hours; 0 = Interview either fully within or outside working hours	23%
ACASI	Variable indicating whether ACASI was used, if ACASI were an option	1 = ACASI used; 0 = ACASI not used	82%
Type of third party presence during the questionnaire section in which the dependent variable of interest appeared ⁴	Interviewer observation: The following list presents types of relationships to the respondent. Select the one(s) that represent the person(s) who were present at any time during this section. (Reference category: no one aged 5+ present)		
	Parent/Parent in-law present (father, mother, father-in-law, mother-in-law)	1 = Parent/parent in-law present; 0 = No one aged 5+ present	6%
	Non-parent adult family member present (husband, wife, older brother, older sister, child aged 18+)	1 = Non-parent adult family member present; 0 = No one aged 5+ present	5%

⁴ Data on specific type of person present were collected at the end of each section. The dependent variables included in the models reported in Table 2 originated in several different sections (e.g., item on suicide was in the screener section; items on polygamy were in the marriage section, etc.). Therefore, different sets of independent variables on type of person present were used in different models. Reported in this table are univariate distributions for the third-party presence data collected at the end of the Screener section, which contained the survey item relating to suicide. These data were consistent across different sections, varying only 1% - 2%, and we report only this set to demonstrate the typical range distribution range for this variable.

	Child/Teenager present (child aged 5 – 17)	1 = Child/teenager member present; 0 = No one aged 5+ present	4%
	Unspecified other present	1 = Unspecified other present; 0 = No one aged 5+ present	7%
<i>Interviewer Demographics</i>			
I Education	Interviewer's highest grade of school or year of college completed	1 = Completed college degree, graduate degree, or professional degree; 0 = Some college or less	79%
I Age	Interviewer age	1 = Aged 30+; 0 = Aged less than 30	36%
I Citizenship	Interviewer citizenship	1 = Saudi; 0 = Else	72%
I Marital status	Interviewer's current marital status	1 = Married; 0 = Separated; divorced; widowed; never married	45%
I Income	Interviewer annual income (Reference category: less than SR75,000)		
	High income	1 = SR100,000+; 0 = Else	39%
	Medium income	1 = SR75,000 –SR99,999; 0 = Else	26%
I Experience	Other than the Saudi National Health and Stress survey, have you ever worked as an interviewer at any other survey or market research organization?	1 = Yes; 0 = No	25%
I Other work	During the time you were an interviewer for the Saudi National Health and Stress survey, did you have any other paying jobs?	1 = Yes; 0 = No	43%
I Religiosity	How important is religion in your daily life?	1 = Very important; 0 = Somewhat important or not important	91%
<i>Interviewer attitudes</i>			
Respect for privacy	The overall culture in the Kingdom of Saudi Arabia respects one's privacy needs	1 = Strongly disagree/Disagree; 0 = Strongly agree/Agree	37%
Difficult to request privacy	It is difficult to ask for interview privacy in a culture like KSA	1 = Strongly disagree/Disagree; 0 = Strongly agree/Agree	38%
Like asking for privacy	On a scale from 1 to 10, where 1 means "dislike very much" and 10 means "like very much", how much do you like asking for a private interview?		
	Like a lot	1 = 9, 10; 0 = Else	44%
	Like somewhat	1 = 7, 8; 0 = Else	34%
Better non-private interview	Which statement comes closest to how you feel as an interviewer?	1 = It's better to conduct an interview with a respondent in the presence of a family member rather than to accept a refusal, even when you feel respondents won't give very accurate answers; 0 = When you can't achieve a private interview setting, it's better to postpone an interview with a respondent even if it might end up in a refusal	59%

Appendix 9B

Table A9B.1 Random Intercept Two Level Logistic Regression Model Predicting Third-party Presence during the Interview

	Model 1 (n = 2475)		Model 2 (n = 2475)		Model 3 (n = 2475)		Model 4 (n = 2475)		8
	Coefficient	SE	Coefficient	SE	Coefficient	SE	Coefficient	SE	
Respondent-level Sociodemographics									
Intercept	0.738	0.498	0.180	0.595	1.098	0.549	0.150	0.651	
Male vs. Female	-1.023**	0.251	-0.914**	0.246	-0.951**	0.223	-0.880**	0.228	
Marital status (ref. currently unmarried)									
Currently married – never in a polygamous marriage	-0.330*	0.154	-0.329*	0.155	-0.330*	0.154	-0.331*	0.154	
Currently married – currently in polygamous marriage	0.389	0.366	0.390	0.366	0.381	0.367	0.380	0.365	
Currently married – previously in polygamous marriage	-0.299	0.504	-0.323	0.503	-0.283	0.507	-0.282	0.514	
Age (ref. 16-18 years old)									
Age 18 – 29	-0.353	0.229	-0.358	0.229	-0.363	0.229	-0.360	0.229	
Age 30 – 44	-0.258	0.284	-0.260	0.283	-0.270	0.284	-0.268	0.283	
Age 45 – 54	-0.540	0.389	-0.551	0.390	-0.557	0.392	-0.558	0.392	
Age 55 – 65	-0.914**	0.353	-0.921**	0.349	-0.945**	0.346	-0.943**	0.344	
Education (ref. <=6 yrs.)									
7 – 9 yrs education	-0.745*	0.292	-0.745*	0.290	-0.755**	0.291	-0.751**	0.290	
10 – 15 yrs education	-0.533**	0.179	-0.537**	0.178	-0.545**	0.180	-0.541**	0.178	
16+ yrs education	-1.007**	0.220	-1.025**	0.219	-1.032**	0.222	-1.038**	0.220	
Social phobia 12-month diagnosis	0.290	0.213	0.281	0.212	0.296	0.212	0.287	0.210	
Disability (ref. no disability)									
Physical disability	0.401	0.302	0.4050	0.304	0.424	0.304	0.435	0.304	
Other disability	0.353	0.208	0.347	0.207	0.358	0.205	0.351	0.205	
Household Size (ref. 1-4 members)									
HH size 5 – 7 members	0.484**	0.142	0.481**	0.141	0.485**	0.141	0.487**	0.139	
HH size 8+ members	0.250	0.194	0.246	0.194	0.251	0.196	0.255	0.197	
Rural vs. Urban area	0.272	0.193	0.284	0.194	0.279	0.196	0.279	0.196	
Region (ref. central)									
Eastern region	-0.187	0.272	-0.153	0.280	-0.174	0.270	-0.102	0.279	
Northern region	0.238	0.289	0.249	0.284	0.235	0.287	0.225	0.282	
Southern region	0.106	0.353	0.108	0.346	0.100	0.343	0.082	0.340	
Western region	-0.33	0.238	-0.328	0.252	-0.353	0.243	-0.374	0.254	
Interview conducted (vs. outside working hours)									
Interview during working hours	-0.184	0.157	-0.189	0.157	-0.190	0.157	-0.192	0.157	
Interview during & outside working hours	0.234	0.170	0.232	0.171	0.221	0.171	0.222	0.171	
Interviewer-level Sociodemographics									
Have a college degree vs. lower education level			-0.04	0.280			0.266	0.260	

Older age (30-44 years old) vs. younger		0.11	0.322			0.0615	0.279
Saudi citizen vs. foreign		0.110	0.254			-0.144	0.277
Currently married vs. not		-0.632*	0.315			-0.191	0.346
Income (ref: low)							
High income		0.243	0.327			0.002	0.323
Middle income		0.201	0.251			-0.046	0.252
Prior interviewing experience vs. none		-0.515	0.291			-0.088	0.308
Concurrent job vs. none		0.571	0.322			0.375	0.308
Religion important vs. not		0.526	0.413			0.568	0.400
Interviewer-level Attitudes							
Disagree that KSA culture respects privacy vs. agree				0.508*	0.247	0.734**	0.275
Find it difficult to ask for privacy in KSA vs. not				-0.033	0.229	-0.006	0.214
Like Asking for a private setting							
Very much like vs. a little/none				-0.653*	0.277	-0.495□	0.300
Somewhat vs. a little/none				-0.540*	0.274	-0.367	0.266
Preference for non-private interviewer (vs. refusal)				-0.082	0.213	-0.071	0.216
Interviewer variance (Standard error)	0.552 (0.157)	0.407 (0.139)		0.410 (0.159)		0.322 (0.128)	
-2 Log Likelihood	2947.16	2940.70		2934.92		2929.88	

Weighted estimates; Level 1=respondent, Level 2=interviewer, Rescaled Part I weight. □p<0.1; * p< 0.05; **p < 0.01