From Source to Target: Harmonization Workflow, Procedures and Tools

Introduction and Part 1

Ilona Wysmułek
ilona.wysmulek@ifispan.waw.pl

Institute of Philosophy and Sociology, Polish Academy of Sciences

Introduction: Harmonization workflow

Survey data harmonization is the procedure that allows to combine different sources into an integrated dataset with comparable indicators.

Why we think its necessary to discuss Harmonization procedure / Harmonization workflow?

- To promote **transparancy**
- To make **replicability** possible
- To enable **flexibility** for user

By flexibility we mean ability to trace decisions and recode some parts/steps in own way, without making EVERYTHING from scratch

Survey Harmonization ex-post: WORKFLOW

Creating harmonized measures *ex-post* **strongly relies** on released survey data and documentation linked to it.

1. **Theoretical model** and concept specification
2. Criteria **for data selection** -> Time zero: data and documentation downloaded
3. Source variables: first (inclusive) selection; **item availability** check
4. **(Re)Define target variable** based on source variables; final source variable list
5. Creating **harmonization control variables**
6. **Cross-walk coding** and additional source variables check
7. **Quality control variables** for items, documentation and data
8. Final revisions of harmonization and its documentation; **general variable report**

Survey Harmonization ex-post: TOOLS

Creating harmonized measures *ex-post* **strongly relies** on released survey data and documentation linked to it.

COTTON FILE
(Excel, source data dictionary)

1. **Theoretical model** and concept specification
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Survey Harmonization ex-post: TOOLS

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DETAILED VARIABLE REPORT (Excel, harmonization DVRx)

1. **Theoretical model** and concept specification
2. Criteria **for data selection** -> Time zero: data and documentation downloaded
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4. **(Re)Define target variable** based on source variables; final source variable list
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Survey Harmonization ex-post: TOOLS

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CROSS-WALK TABLE
(Excel, harmonization CWT)

1. **Theoretical model** and concept specification
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Survey Harmonization ex-post: TOOLS

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GENERAL T_VARIABLE REPORT
(Word doc, harmonization GVR)

1. **Theoretical model** and concept specification
2. Criteria **for data selection** -> Time zero: data and documentation downloaded
3. Source variables: first (inclusive) selection; **item availability** check
4. **(Re)Define target variable** based on source variables; final source variable list
5. Creating **harmonization control variables**
6. **Cross-walk coding** and additional source variables check
7. **Quality control variables** for items, documentation and data
8. Final revisions of harmonization and its documentation; **target variable report**

Survey Harmonization ex-post: TOOLS & TRACES

Each target variable in SDR is accompanied by:

→ General target variable report (Word doc, harmonization GVR)

→ Detailed variable report (Excel, harmonization DVRx)

→ Cross-walk table (Excel, harmonization CWT)

→ Syntax (notepad++)

Survey Harmonization ex-post: WORKFLOW

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3. Source variables: first (inclusive) selection; item availability template
4. (Re)Define target variable based on source variables; final source variable list
5. Creating harmonization control variables
6. Cross-walk coding and additional source variables check
7. Quality control variables for items, documentation and data
8. Final revisions of harmonization and its documentation; general variable report

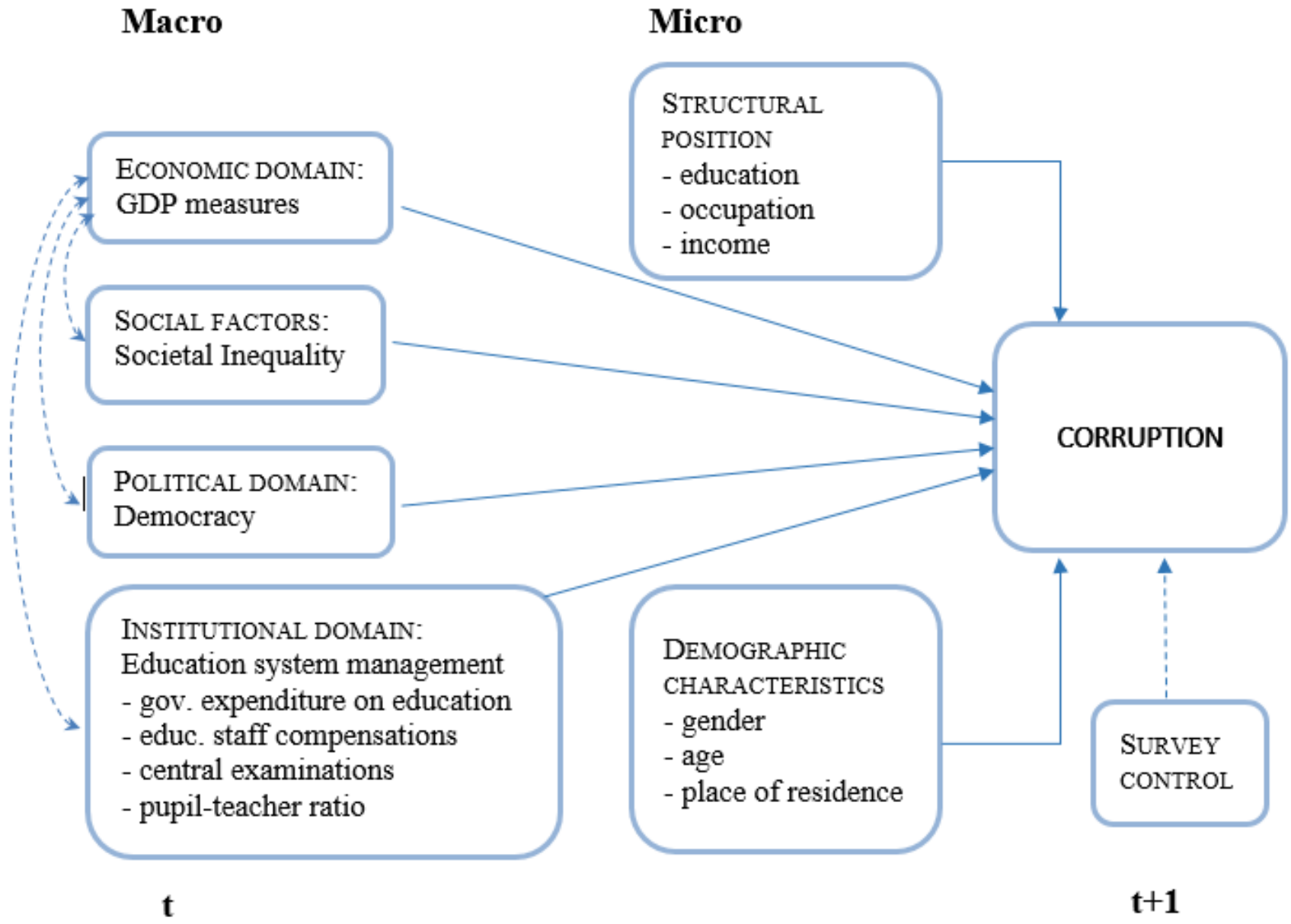
Step 1. Theoretical model and concept specification

Aim: decide on a theoretical model, hypothesis and a (desirable) list of target variables; conduct research on different operationalizations of the same concept

Practical Implications:

- Deciding on a theoretical model and (desirable) list of target variables as a first step can save a lot of time
- It also allows to be (remain) critical and open-minded to different operationalizations of the same (theoretical) target concept

Example:



Source: Wysmułek I. 2018. Informal Payments in Public Schools: Determinants of Corruption Perception and Behavior in Europe

Step 2. Data availability and criteria for data selection

Aim: to define the scope of data sources and concepts to be harmonized within those data

What does it mean in practice?

→ Decide on geographical and temporary limits

→ Think of the criteria for survey project selection

→ Decide on „Time Zero” for data and documentation download

Step 3. Source variables: first (inclusive) selection

- Aim: to conduct a systematic review of questionnaires and codebooks of international public opinion surveys in search for source variables that match the [theoretical] target concept

- SDR Tools:

→ Cotton file: Cumulative List of Variables in Surveys of the SDR Database (Excel) – for search across datasets

→ DVR (Detailed Variable report, Excel) – for standardized documentation of source variables across datasets

Cotton file: Cumulative List of Variables in Surveys of the SDR Database (Excel) – for search across datasets

A1 | dataset

	A	B	C
1	dataset	variable's name	variable's label (Google translation from Spanish)
88098	WVS_1_6	X049CS	Size of town (country specific)
88099	WVS_1_6	X050	Type of habitat
88100	WVS_1_6	X051	Ethnic group
88101	WVS_1_6	X052	Institution of occupation
88102	WVS_1_6	X053	Nature of tasks: manual vs. Cognitive
88103	WVS_1_6	X054	Nature of tasks: routine vs. Creative
88104	WVS_1_6	X055	Nature of tasks: independence
88105	WVS_1_6	Y001	Post-Materialist index 12-item
88106	WVS_1_6	Y002	Post-Materialist index 4-item
88107	WVS_1_6	Y003	Autonomy Index
88108	WVS_1_6	Y010	SACSECVAL.- Welzel Overall Secular Values
88109	WVS_1_6	Y011	DEFIANCE.- Welzel defiance sub-index
88110	WVS_1_6	Y012	DISBELIEF.- Welzel disbelief sub-index
88111	WVS_1_6	Y013	RELATIVISM.- Welzel relativism
88112	WVS_1_6	Y014	M.- Welzel scepticism index
88113	WVS_1_6	Y020	L.- Welzel emancipative values
88114	WVS_1_6	Y021	Y.- Wezel Autonomy subindex
88115	WVS_1_6	Y022	- Welzel equality sub-index
88116	WVS_1_6	Y023	CHOICE.- Welzel choice sub-index
88117	WVS_1_6	Y024	VOICE.- Welzel voice sub-index
88118	WVS_1_6	TRADRAT5	REGR factor score 1 for analysis 1
88119	WVS_1_6	SURVSELF	REGR factor score 2 for analysis 1
88120			

Filter x

88 119 variables
215 source datafiles

info | source variables | survey projects

16.12.2019 17:08 — wycinek ekranu - OneNote

DATASET – VARIABLE NAME – VAR LABEL (ENGLISH) – VAR LABEL (SPANISH) - VALUES

D8

	A	B	C	D	E	F	G	H
1	dataset	variable's name	variable's label (Google translation from Spanish) Filter x	Spanish orig. labels	values			
2	ABS_1	country	Country		1|Japan2|Hong Kong3|Korea4|Mainland Chir			
3	ABS_1	idnumber	idnumber					
4	ABS_1	level3	urban-rural		1|urban2|rural3|no registration			
5	ABS_1	yrsurvey	survey year		2001|20012002|20022003|2003			
6	ABS_1	se002	gender		1|male2|female99|No Answer			
7	ABS_1	se003	age group		1|18-192|20-243|25-294|30-345|35-396|40-			
8	ABS_1	se003a	actual age		18|1819|1920|2021|2122|2223|2324|2425|2			
9	ABS_1	se004	marital status		1|Married2|Living-in as married3|Widowed4|			
10	ABS_1	se004a	Marital Status(Y/N)		1|Yes2|No98|Don't Know99|No Answer			
11	ABS_1	se005	education		1|No formal education1|No formal education2			
12	ABS_1	se005a	education by year		.0|less than 1 year1.0|1 years2.0|2 years3.0			
13	ABS_1	se005b	education(four categories)		1|illiterate2|primary education3|secondary ed			
14	ABS_1	se006	religion		1|Shinto2|Daoism3|Other Folk Religio4|Born			
15	ABS_1	se007	relgiosity		1|Several times a day2|Once a day3|Severa			
16	ABS_1	se008a	n of household members		0|none member1|1 member2|2 members3|3			
17	ABS_1	se008b	household generations		1|1 generation2|2 generations3|3 generation			
18	ABS_1	se009	annual income: national quintiles		1|lowest quintile2|2nd quintile3|3rd quintile4|4			
19	ABS_1	se012a	Main Occupation		1|Admin/Manager2|Professional3|Clerical4|S			
20	ABS_1	se012bjp	main occupation(orginal)		10|Hired Workers(residual)11|Professional_t			
21	ABS_1	se012bhk	OCCUPATION(original)		10|INSUFFICIENT INFO11|GOVT ADMIN,FO			
22	ABS_1	se012bkr	Occupation(original)		1|Professional2|Administrative/managerial3|V			
23	ABS_1	se012bcn	OCCUPATION		997|NOT APPLICABLE998|DON'T KNOW99			
24	ABS_1	se012bmo	employment		1|wage worker2|members of armed forces, s			
25	ABS_1	se012bph	occupation (verbatim)		11|ARMED FORCES55|SICK97|Not applicab			
26	ABS_1	se012btw	(Respondent has a job) What is respondent's current occupation?		1|Enterpriser (With 10 or more employees)2|			
27	ABS_1	se012bth	Primary occupation of respondent		10|hired workers11|professional12|manager1			
28	ABS_1	se014	language		1|ONLY LOCAL DIALECT2|LOCAL DIALECT			
29	ABS_1	se016	ethnicity		98|DON'T KNOW99|NO ANSWER401|HAN4			

info | source variables | survey projects

1	dataset	variable's name	variable's label (Google translation from Spanish)	protest Filter x	Spanish orig. labels	values
31842	EB_31	v472	Q474 POL PROTEST PROHIBIT DEMONSTRATIONS			0|DK NA1|S
31843	EB_31	v473	Q475 POL PROTEST TROOPS TO BREAK STRIKES			0|DK NA1|S
40693	EB_62_2	v340	QD17 POLIT ACTIVITY: ILLEGAL PROTEST			0|Not menti
55048	EQLS_1_3	Y11_Q23b	Q23b Attended a protest or demonstration / Over the last 12 months, have you…?			1|Yes2|No9
55290	EQLS_1_3	Y07_Q20_2	Q20_2 Past year attended a protest or demonstration, or signed a petition			1|Yes2|No9
55500	ESS_1	ilglpst	Participated illegal protest activities last 12 months			1|Yes2|No7
60420	EVS_1_4	A124_23	Neighbours: Protestants			-5|Missing;
62537	ISSP_1985	v7	PUBLIC PROTEST MEETINGS			1|DEFINITE
62538	ISSP_1985	v8	PROTEST PUBLICATIONS			1|DEFINITE
62539	ISSP_1985	v9	PROTEST DEMONSTRATIONS			1|DEFINITE
63191	ISSP_1990	v5	Q.2A PUBLIC PROTEST MEETINGS			0|NOT AVAI
63192	ISSP_1990	v6	Q.2B PROTEST PUBLICATIONS			0|NOT AVAI
63193	ISSP_1990	v7	Q.2C PROTEST DEMONSTRATIONS			0|NOT AVAI
63206	ISSP_1990	v20	Q.7A FEELINGS:PEOPLE PROTEST			0|NOT AVAI
63938	ISSP_1993	v63	Last five year: protest demonstration			1|Yes, I hav
64619	ISSP_1996	v5	Public protest meetings			0|NAV1|Def
64620	ISSP_1996	v6	Protest demonstrations			0|NAV1|Def
64622	ISSP_1996	v8	Attend public protest meetings			0|NAV1|Def
64623	ISSP_1996	v9	Go on protest demonstrations			0|NAV1|Def
64624	ISSP_1996	v10	Last 5 years:publ protest meetings			0|NAV1|Nev
64625	ISSP_1996	v11	Last 5 years:protest demonstrations			0|NAV1|Nev
65496	ISSP_2000	v61	Last five year: protest demonstration			0|NAV1|Yes
66970	ISSP_2006	V5	Q2a: Public protest meetings			1|Definitely
66971	ISSP_2006	V6	Q2b: Protest demonstrations			1|Definitely
68345	ISSP_2010	V64	Q22c Last five years: taken part in protest demonstration <KR:active support>			1|Yes, I hav
72887	LB_2004	p44es.7	To improve things: Participated in illegal protests			-4|Not aske
73877	LB_2007	p62n.c	Protest without authorization			-4|Not aske
74271	LB_2008	p84n.a	Marches, protests, street demonstrations: Normal in democracy			-4|Not aske

	dataset	variable's name	variable's label (Google translation from Spanish)	protest	Filter	x	Spanish orig. labels	values
31842	EB_31	v472	Q474 POL PROTEST PROHIBIT DEMONSTRATIONS					0|DK NA1|S
31843	EB_31	v473	Q475 POL PROTEST TROOPS TO BREAK STRIKES					0|DK NA1|S
40693	EB_62_2	v340	QD17 POLIT ACTIVITY: ILLEGAL PROTEST					0|Not ment
55048	EQLS_1_3	Y11_Q23b	Q23b Attended a protest or demonstration / Over the last 12 months, have you...?					1|Yes2|No9
55290	EQLS_1_3	Y07_Q20_2	Q20_2 Past year attended a protest or demonstration, or signed a petition					1|Yes2|No9
55500	ESS_1	ilglpst	Participated illegal protest activities last 12 months					1|Yes2|No7
60420	EVS_1_4	A124_23	Neighbours: Protestants					-5|Missing;
62537	ISSP_1985	v7	PUBLIC PROTEST MEETINGS					1|DEFINITE
62538	ISSP_1985	v8	PROTEST PUBLICATIONS					1|DEFINITE
62539	ISSP_1985	v9	PROTEST DEMONSTRATIONS					1|DEFINITE
63191	ISSP_1990	v5	Q.2A PUBLIC PROTEST MEETINGS					0|NOT AVAI
63192	ISSP_1990	v6	Q.2B PROTEST PUBLICATIONS					0|NOT AVAI
63193	ISSP_1990	v7	Q.2C PROTEST DEMONSTRATIONS					0|NOT AVAI
63206	ISSP_1990	v20	Q.7A FEELINGS:					
63938	ISSP_1993	v63	Last five year: pr					
64619	ISSP_1996	v5	Public protest me					
64620	ISSP_1996	v6	Protest demonstr					
64622	ISSP_1996	v8	Attend public prot					
64623	ISSP_1996	v9	Go on protest de					
64624	ISSP_1996	v10	Last 5 years:publ					
64625	ISSP_1996	v11	Last 5 years:prot					
65496	ISSP_2000	v61	Last five year: pr					
66970	ISSP_2006	V5	Q2a: Public prote					
66971	ISSP_2006	V6	Q2b: Protest dem					
68345	ISSP_2010	V64	Q22c Last five y					
72887	LB_2004	p44es.7	To improve things					
73877	LB_2007	p62n.c	Protest without a					
74271	LB_2008	p84n.a	Marches, protest					

(8.16) What is the most effective thing that an ordinary person can do to help combat corruption in this country?
INTERVIEWER: Do not read options, code from response

Nothing/Ordinary people cannot do anything	1
Refuse to pay bribes	2
Report corruption when you see or experience it	3
Vote for clean candidates or parties or for parties that promise to fight corruption	4
Speak out about the problem, for example, by calling a radio program or using social media	5
Talk to friends and relatives about the problem	6
Sign a petition asking for a stronger fight against corruption	7
Join or support an organization that is fighting corruption	8
Participate in protest marches or demonstrations against corruption	9
Boycott a business which has been found guilty of engaging in corruption	10

Other -95; Don't know -97;

(8.17) Please tell me whether you agree or disagree with the following statements?
READ OUT A-D; SINGLE CODE FOR EACH

SHOW CARD 68

a	In our society it is generally acceptable for people to report a case of corruption they witness
b	If I would witness an act of corruption, I would feel personally obliged to report it
c	I would report a case of corruption even if I would have to spend a day in court to give evidence
d	Ordinary people can make a difference in the fight against corruption

```
*************************************************************************************************
                                        POLITICAL PARTICIPATION
*************************************************************************************************

  Q64    '64 In the past three years, have you ever contacted elected officials or legislative represer
t any level'
  Q65    '65  Contacted officials at higher level.'+
  Q66    '66 Contacted traditional leaders/community leaders.'++
  Q67    '67  Contacted other influential people outside the government.'
  Q68    '68  Contacted news media'
  Q69    '69 Whether you personally have ever got together with others to try to resolve local problems
  Q70    '70 Got together with others to raise an issue or sign a petition'
  Q71    '71 Attended a demonstration or protest march'
  Q72    '72 Used force or violence for a political cause'*

   -1 'Missing'

    0 'Never done'
    1 'Once'
    2 'More than once'
    7 'Do not understand the question'
    8 "Can't choose"
    9 'Decline to answer' /

+  Not asked in Korea and Malaysia.
++ Not asked in Japan, Korea and Malaysia.
*  Mainland China didn't ask this question.
```

SOURCES:
-data dictionaries
-questionnaires
-codebooks

Step 4. (Re)Define target variable based on available source variables

- Aim: discuss (and test) strength and weaknesses of available operationalizations of a target concept and select source variables that will be matched to target

- What does it mean in practice?

→ Data availability may force the redefinition of a target concept

→ Team discussions are helpful – prepare a handout summing up availability of source variable types,

→ Discuss which source variables stretch the target concept too much

→ Move these auxiliary variables to Left over (sheet) – leave traces of your decisions

D5 | Here is a list of actions that people sometimes take as citizens. For each of these, please tell me whether you, personally, have never, onc

	A	B	C	D	E	F	G
1	**Unique ID**	**Data file**	**Source variable name**	**QUESTION WORDING Priority: 1 = questionnaire 2 = codebook]**	**Questionnaire: Question wording**	**Codebook: Question wording**	**VARIABLE LABEL Priority: 1 = data dictionnary 2 = codebook**
2	ABS_1 q079	ABS_1	q079	In the past three (3) years, have you NEVER, ONCE, or MORE THAN	In the	~~	Demonstrated, striken, or
3	ABS_2 q88	ABS_2	q88	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	Attended a demonstration
4	ABS_3 q71	ABS_3	q71	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	q71. Attended a
5	ABS_4_KH q76a	ABS_4_KH	q76a	Here is a list of actions			
6	ABS_4_KR q76a	ABS_4_KR	q76a	Here is a list of actions			
7	ABS_4_MM q76a	ABS_4_MM	q76a	Here is a list of actions			
8	ABS_4_MN q76a	ABS_4_MN	q76a	Here is a list of actions			
9	ABS_4_MY q76a	ABS_4_MY	q76a	Here is a list of actions			
10	ABS_4_PH q76a	ABS_4_PH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
11	ABS_4_SG q76a	ABS_4_SG	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
12	ABS_4_TH q76a	ABS_4_TH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
13	ABS_4_TW q76a	ABS_4_TW	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
14	AFB_1 pardem	AFB_1	pardem	Question text - SAB	NA	Question	pardemo/Attend
15	AFB_2 q25d	AFB_2	q25d	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q25d. Attend a
16	AFB_3 q31c	AFB_3	q31c	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q31c. Attend a
17	AFB_4 Q23C	AFB_4	Q23C	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q23c. Attend a
18	AFB_5 Q26D	AFB_5	Q26D	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q26d. Attend a
19	AFB_6 Q27E	AFB_6	Q27E	Here is a list of actions that people sometimes take as citizens when	NA	Here is a	Q27e. Attend a

Detailed Variable Report – DVRx

INFO | T_DEMONST | Leftovers | Dictionary | Change Log

D5 | Here is a list of actions that people sometimes take as citizens. For each of these, please tell me whether you, personally, have never, onc

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2	ABS_1 q079	ABS_1	q079	In the past three (3) years, have you NEVER, ONCE, or MORE THAN	In the	~~	Demonstrated, striken, or
3	ABS_2 q88	ABS_2	q88	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	Attended a demonstration
4	ABS_3 q71	ABS_3	q71	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	q71. Attended a
5	ABS_4_KH q76a	ABS_4_KH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
6	ABS_4_KR q76a	ABS_4_KR	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
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15	AFB_2 q25d	AFB_2	q25d	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q25d. Attend a
16	AFB_3 q31c	AFB_3	q31c	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q31c. Attend a
17	AFB_4 Q23C	AFB_4	Q23C	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q23c. Attend a
18	AFB_5 Q26D	AFB_5	Q26D	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q26d. Attend a
19	AFB_6 Q27E	AFB_6	Q27E	Here is a list of actions that people sometimes take as citizens when	NA	Here is a	Q27e. Attend a

INFO | T_DEMONST | Leftovers | Dictionary | Change Log

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3	ABS_2 q88	ABS_2	q88	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	Attended a demonstration
4	ABS_3 q71	ABS_3	q71	Here is a list of actions that people sometimes take as citizens. For	Here is a	~~	q71. Attended a
5	ABS_4_KH q76a	ABS_4_KH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
6	ABS_4_KR q76a	ABS_4_KR	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
7	ABS_4_MM q76a	ABS_4_MM	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
8	ABS_4_MN q76a	ABS_4_MN	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
9	ABS_4_MY q76a	ABS_4_MY	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
10	ABS_4_PH q76a	ABS_4_PH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
11	ABS_4_SG q76a	ABS_4_SG	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
12	ABS_4_TH q76a	ABS_4_TH	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
13	ABS_4_TW q76a	ABS_4_TW	q76a	Here is a list of actions that people sometimes take as citizens. For	NA (only	~~	*76a Attended a*
14	AFB_1 pardem	AFB_1	pardem	Question text - SAB	NA	Question	pardemo/Attend
15	AFB_2 q25d	AFB_2	q25d	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q25d. Attend a
16	AFB_3 q31c	AFB_3	q31c	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q31c. Attend a
17	AFB_4 Q23C	AFB_4	Q23C	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q23c. Attend a
18	AFB_5 Q26D	AFB_5	Q26D	Here is a list of actions that people sometimes take as citizens. For	NA	Here is a	Q26d. Attend a
19	AFB_6 Q27E	AFB_6	Q27E	Here is a list of actions that people sometimes take as citizens when	NA	Here is a	Q27e. Attend a

INFO | T_DEMONST | Leftovers | Dictionary | Change Log

ID – DATAFILE – VAR NAME – QUESTION - LABEL – VALUES – REALIZED VALUES– VALUES BY CNTR

	A	B	C	D	G	J	N	O
1	**Unique ID**	**Data file**	**Source variable name**	**QUESTION WORDING Priority: 1 = questionnaire 2 = codebook]**	**VARIABLE LABEL Priority: 1 = data dictionnary 2 = codebook**	**VARIABLE VALUES Priority: 1 = data dictionnaries 2 = = codebook 3 = questionnaire**	**Data: Variable values (realized)**	**Data: Variable values (distributions by cntr)**
2	ABS_1 q079	ABS_1	q079	In the past three (3) years, have you NEVER, ONCE, or MORE	Demonstrated, striken, or	1|Once	1 2 9 97 98 99	ABS | 1 | CN | 1:9 2:3 9:30
3	ABS_2 q88	ABS_2	q88	Here is a list of actions that people sometimes take as citizens.	Attended a demonstration	0|Not applicable	null 0 1 2 3 8 9	ABS | 2 | CN | 0:482 1:37 2
4	ABS_3 q71	ABS_3	q71	Here is a list of actions that people sometimes take as citizens.	q71. Attended a	0|Never Done	`-1 0 1 2 7 8 9	ABS | 3 | CN | -1:1 0:3303
5	ABS_4_KH q76a	ABS_4_KH	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 8	ABS | 4 | KH | 1:30 2:24 3:
6	ABS_4_KR q76a	ABS_4_KR	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 8 9	ABS | 4 | KR | 1:6 2:27 3:3
7	ABS_4_MM q76a	ABS_4_MM	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	-1 1 2 3 4 8 9	ABS | 4 | MM | -1:1 1:29 2
8	ABS_4_MN q76a	ABS_4_MN	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 8 9	ABS | 4 | MN | 1:92 2:76 3
9	ABS_4_MY q76a	ABS_4_MY	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 8 9	ABS | 4 | MY | 1:23 2:37 3:
10	ABS_4_PH q76a	ABS_4_PH	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 8 9	ABS | 4 | PH | 1:24 2:36 3:9
11	ABS_4_SG q76a	ABS_4_SG	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 8 9	ABS | 4 | SG | 1:14 2:41 3:3
12	ABS_4_TH q76a	ABS_4_TH	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	-1 1 2 3 4 8 9	ABS | 4 | TH | -1:4 1:42 2:5
13	ABS_4_TW q76a	ABS_4_TW	q76a	Here is a list of actions that people sometimes take as citizens.	*76a Attended a*	-1|Missing	1 2 3 4 7 8 9	ABS | 4 | TW | 1:98 2:81 3:
14	AFB_1 pardem	AFB_1	pardem	Question text - SAB	pardemo/Attend	0|Never	0 1 2 3 4 9 98 99	AFB | 1 | BW | 0:747 1:57 1
15	AFB_2 q25d	AFB_2	q25d	Here is a list of actions that people sometimes take as citizens.	Q25d. Attend a	-1|Missing	-1 0 1 2 3 4 9	AFB | 2 | BW | 0:665 1:308
16	AFB_3 q31c	AFB_3	q31c	Here is a list of actions that people sometimes take as citizens.	Q31c. Attend a	-1|Missing	-1 0 1 2 3 4 9	AFB | 3 | BJ | -1:2 0:352 1:6

Question wording, label and values from different sources (codebook, questionnaire, data dictionary)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Unique ID	Data file	Source variable name	QUESTION WORDING Priority: 1 = questionnaire 2 = codebook]	Questionnaire: Question word	Codebook: Question word	VARIABLE LABEL Priority: 1 = data dictionnary 2 = codebook	Codebook: Variable label	Data dictionary: Variable lab	VARIABLE VALUES Priority: 1 = data dictionnaries 2 = = codebook 3 = questionnaire	Questionnaire: Variable	Codebook: Variable value	Data dictionary: Variable	Data: Variable values (realized)	Data: Variable values (distributions by cntr)
7	ABS_4_MM q76a	ABS_4_MM	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	-1 1 2 3 4 8 9	ABS | 4 | MM | -1:1 1:29 2
8	ABS_4_MN q76a	ABS_4_MN	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	1 2 3 4 8 9	ABS | 4 | MN | 1:92 2:76 3
9	ABS_4_MY q76a	ABS_4_MY	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	1 2 3 8 9	ABS | 4 | MY | 1:23 2:37 3
10	ABS_4_PH q76a	ABS_4_PH	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	1 2 3 4 8 9	ABS | 4 | PH | 1:24 2:36 3:
11	ABS_4_SG q76a	ABS_4_SG	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	1 2 3 4 8 9	ABS | 4 | SG | 1:14 2:41 3:
12	ABS_4_TH q76a	ABS_4_TH	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	-1 1 2 3 4 8 9	ABS | 4 | TH | -1:4 1:42 2:
13	ABS_4_TW q76a	ABS_4_TW	q76a	Here is a list of actions that people sometimes take as citizens	NA (only	~~	*76a Attended a*	Q76.	*76a*	-1 Missing	NA	NA	-	1 2 3 4 7 8 9	ABS | 4 | TW | 1:98 2:81 3
14	AFB_1 pardem	AFB_1	pardem	Question text - SAB	NA	Questio	pardemo/Attend	Attend	pardem	0 Never	NA	0=Neve	0|Neve	0 1 2 3 4 9 98 99	AFB | 1 | BW | 0:747 1:57
15	AFB_2 q25d	AFB_2	q25d	Here is a list of actions that people sometimes take as citizens	NA	Here is	Q25d. Attend a	Attend	Q25d.	-1 Missing	NA	0=No,	-	-1 0 1 2 3 4 9	AFB | 2 | BW | 0:665 1:308
16	AFB_3 q31c	AFB_3	q31c	Here is a list of actions that people sometimes take as citizens	NA	Here is	Q31c. Attend a	Attend	Q31c.	-1 Missing	NA	0=No,	-	-1 0 1 2 3 4 9	AFB | 3 | BJ | -1:2 0:352 1:
17	AFB_4 Q23C	AFB_4	Q23C	Here is a list of actions that people sometimes take as citizens	NA	Here is	Q23c. Attend a	Attend	Q23c.	-1 Missing	NA	0=No,	-	-1 0 1 2 3 4 9	AFB | 4 | BF | 0:428 1:555
18	AFB_5 Q26D	AFB_5	Q26D	Here is a list of actions that people sometimes take as citizens	NA	Here is	Q26d. Attend a	Attend	Q26d.	-1 Missing	NA	0=No,	-	-1 0 1 2 3 4 9 998	AFB | 5 | BF | 0:684 1:317
19	AFB_6 Q27E	AFB_6	Q27E	Here is a list of actions that people sometimes take as citizens	NA	Here is	Q27e. Attend a	Q27e.	Q27e.	-1 Missing	NA	0=No,	-	-1 0 1 2 3 4 9	AFB | 6 | BF | 0:404 1:618
20	AMB_2004 PROT1	AMB_2004	PROT1	Have you ever participated in a public	Have	NA	Have you participated in a	NA	Have	1 Algunas veces	(1)	NA	1|Algu	nul 1 2 3 8	AMB | 2004 | BO | null:6 1
21	AMB_2006 PROT1	AMB_2006	PROT1	Have you ever participated in a public demonstration	Have	NA	Have you ever participated	NA	Have	1 Algunas veces	(1)	NA	1|Algu	nul 1 2 3 8	AMB | 2006 | BO | 1:827 2
22	AMB_2006 PROT2	AMB_2006	PROT2	During last year, did you participate in a public	During	NA	In the last year, have you	NA	In the	1 Algunas veces	(1)	NA	1|Algu	nul 1 2 3 8 9	AMB | 2006 | BO | null:30
23	AMB_2008 PROT1	AMB_2008	PROT1	Have you ever participated in a public demonstration	Have	NA	Have you ever participated	NA	Have	1 Sometimes	(1)	NA	1|Some	nul 1 2 3 8	AMB | 2008 | AR | null:14
24	AMB_2008 PROT2	AMB_2008	PROT2	And now thinking about the last 12 months, have	And now	NA	In the past year, did you	NA	In the	1 Sometimes	(1)	NA	1|Some	nul 1 2 3 8 9	AMB | 2008 | AR | 1:204 2
25	AMB_2010 PROT3	AMB_2010	PROT3	In the last 12 months, have you participated in a demonstration or	In the	NA	In the last 12 months, have	NA	In the	1 Yes	(1)	NA	1|Yes	1 2 8 98	AMB | 2010 | AR | 1:212 2

Survey Harmonization ex-post: WORKFLOW

Creating harmonized measures *ex-post* **strongly relies** on released survey data and documentation linked to it.

1. Theoretical model and concept specification
2. Criteria for data selection -> Time zero: data and documentation downloaded
3. Source variables: first (inclusive) selection; item availability template
4. (Re)Define target variable based on source variables; final source variable list
5. Creating harmonization control variables
6. Cross-walk coding and additional source variables check
7. Quality control variables for items, documentation and data
8. Final revisions of harmonization and its documentation; general variable report

What if … than How to?

- a different set of source variables for the same target concept (more inclusive/exclusive) + and repeat a harmonization procedure used in SDR
- add new datafile (survey wave) for the same target concept + and repeat SDR harmonization proceduresame source variables + but different target mapping
- create own (new) target variable + and add it to SDR dataset
- merge SDR dataset with a different country level variable

Thank you!

Ilona Wysmułek: ilona.wysmulek@ifispan.waw.pl