

Behavioral variable mapping

This document describes the mapping of the behavioral variables available in LWS.

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RISK1

FINANCIAL RISK TAKING WILLINGNESS

The variable RISK1 contains information about persons' willingness to take financial risks.

CY02: "Which of the statements on this page comes closest to the amount of financial risk that you and your spouse/partner are willing to take when you save or make investments?" – Interviewer: read answers only if necessary. If more than one response is given use the first category that applies.

DE02: "How do you see yourself: Are you generally a person who is fully prepared to take risks or do you try to avoid taking risks? Please tick a box on the scale, where the value 0 means: '*risk averse*' and the value 10 means: '*fully prepared to take risks*'. You can use the values in between to make your estimate."

IT04: "When managing your financial investments, would you describe yourself as someone who looks for: " – then the values below are proposed.

USS01: "Which of the statements on this page comes closest to the amount of financial risk that you and your spouse/partner are willing to take when you save or make investments?" / "Which of the statements on this page comes closest to the amount of financial risk that you are willing to take when you save or make investments?" – Interviewer: read answers only if necessary. If more than one response is given use the first category that applies."

Database	Original name	Mapping (original to LWS)	
CY02	IQ5	4=not willing to take any financial risks	1=not willing to take any financial risks
		3=take average financial risks expecting to earn average returns	2=take average financial risks expecting to earn average returns
		2=take above average financial risks expecting to earn above average returns	3=take above average financial risks expecting to earn above average returns
		1=take substantial financial risks expecting to earn substantial returns	4=take substantial financial risks expecting to earn substantial returns
		98=Don't know	-6=Don't know
		333=Not available	.=missing /not in sample / not stated
DE02	UP119	0=risk averse	0=risk averse
		1	1
		2	2
		3	3
		4	4
		5	5
		6	6

		7	7
		8	8
		9	9
		10=fully prepared to take risks	10=fully prepared to take risks
		-1=No answer	.=missing /not in sample / not stated
IT04	RISFIN	4=low returns, without any risk of losing your capital	1=low returns, without any risk of losing your capital
		3=a reasonable return, with a good degree of security for your invested capital	2=a reasonable return, with a good degree of security for your invested capital
		2=a good return, with reasonable security for your invested capital	3=a good return, with reasonable security for your invested capital
		1=very high returns, regardless of a high risk of losing part of your capital	4=very high returns, regardless of a high risk of losing part of your capital
USS01	X3014	4=not willing to take any financial risks	1=not willing to take any financial risks
		3=take average financial risks expecting to earn average returns	2=take average financial risks expecting to earn average returns
		2=take above average financial risks expecting to earn above average returns	3=take above average financial risks expecting to earn above average returns
		1=take substantial financial risks expecting to earn substantial returns	4=take substantial financial risks expecting to earn substantial returns

RISK2

DEMAND FOR SAFE INVESTMENTS

RISK2 contains information about whether investments that are unlikely to yield negative returns are preferred.

AT04: “Please tell me in how far the following statement applies to you personally” – “For savings I prefer secure investment instruments and avoid risk”

CY02: “With scale 1 to 7, where 1 indicates total disagreement and 7 absolute certainty, which is your opinion for the following statements” – “The most important is to invest in lower but certain returns, than to take financial risk with the prospect of higher returns”

Database	Original name	Mapping (original to LWS)	
AT04	FR1905	1=completely applicable	1=completely applicable
		2=rather applicable	2=rather applicable
		3=rather not applicable	3=rather not applicable
		4=completely inapplicable	4=completely inapplicable
CY02	IQ6X1	7=absolutely certain	1=absolutely certain
		6	2
		5	3
		4	4
		3	5
		2	6
		1=totally disagree	7=totally disagree
		98=Don't know	-6=Don't know
		333=Missing	.=missing /not in sample / not stated

RISK3

LOTTERY QUESTION

This question offers a hypothetical situation to the person being interviewed and asks them make a choice.

DE02: “Please consider what you would do in the following situation:
Imagine that you had won 100,000 Euros in the lottery. Almost immediately after you collect the winnings, you receive the following financial offer from a reputable bank, the conditions of which are as follows:

There is the chance to double the money within two years. It is equally possible that you could lose half of the amount invested. You have the opportunity to invest the full amount, part of the amount or reject the offer. What share of your lottery winnings would you be prepared to invest in this financially risky, yet lucrative investment?”

IT04: “Imagine you were told you had won on the lottery the equivalent of your household’s net annual income. The sum will be paid to you in a year’s time. However, if you give up part of the sum you can have the rest immediately.” Then, the following questions are asked, depending on what the individual answers: “To get the money right away would you give up 5 per cent of this sum?” (SCONT1); “..Or 10 per cent?”; “Or 20 per cent?”; “Or 3 per cent?”; “Or 2 per cent?”. Also see below.

Database	Original name	Mapping (original to LWS)	
dE02	UP121	1=€100,000	1=€100,000
		2=€80,000	2=€80,000
		3=€60,000	3=€60,000
		4=€40,000	4=€40,000
		5=€20,000	5=€20,000
		6=€	6=€
		-1=No answer	.:=missing /not in sample / not stated

Italy

In Italy, the answer is recorded in 5 variables (SCONT1- SCONT5) as a yes-no choice to subsets of the question. SCONT1 asks whether people would be willing to part with the middle value of 5% of the lump sum in exchange for having access to it immediately. If the person says yes, they are then asked whether they would pay with 10% (SCONT2). If they say no, questioning stops. If they say yes, they’re asked whether they would part with 20% for early access, and the answer is recorded in SCONT3. On the other hand, if the person answered no to SCONT1, they will be asked whether they are willing to part with 3% (SCONT4). Similarly as before, questioning will stop if they answer no but will go on to ask about the willingness to give up 2% (SCONT5), after which answering will stop.

It should be obvious that the information contained in these variables can be encoded in a single variable by recording which percentages people are willing to forego in order to obtain cash immediately. The algorithm in pseudocode is the nested if statement:

```
If 5% = yes then
  if 10% = yes then
    if 20% = yes then RISK3=6
    else RISK3 = 5
  else RISK3 = 4
else
  if 3% = no then
    if 2% = no then RISK3 = 1
    else RISK3 = 2
  else RISK3=3
```

RISK4

SELF-ASSESSED ACTUAL RISK-TAKING IN THE PAST

This variable records information about how the individuals interviewed assess their own actual risk taking in the past.

CY02: “Over the past years what is the size of financial risk you’ve taken for your investment?”

Database	Original name	Mapping (original to LWS)	
CY02	IQ6X7	1=I have not taken any risk at all.	1=I have not taken any risk at all.
		2=Take small financial risk	2=Take small financial risk
		3=Take average financial risk	3=Take average financial risk
		4=Take above average financial risk	4=Take above average financial risk
		5=Take substantial financial risk	5=Take substantial financial risk
		98=Don’t know or no investments	-6=Don’t know
		333=Missing	.=missing /not in sample / not stated

SAVE_1 to SAVE_6

SAVING MOTIVE PRIORITY 1 – SAVING MOTIVE PRIORITY 6

This is a question where multiple answers are allowed. Some original databases support a priority system by which people can state their priorities in decreasing order of importance. The LWS variable supports this in that SAVE_1 contains the highest saving priority down to SAVE_6, which contains the lowest saving priority.

Austria

In Austria the variable is called FR37 and the question is: “There are different reasons for saving. What do you save money for?”. The Austria database does not support priorities, and so all variables from SAVE_1 to SAVE_6 are on an equal footing.

Variables	Value in LWS SAVE variables	Original variable description
FR37_1	1	Saving for retirement
FR37_2N (=FR37_2+ FR37_8)	2	My family's financial security + for the children or grandchildren
FR37_3	3	Major purchases (house, car, flat, etc.)
FR37_4	4	Medical expenses (dentist, operations, etc.)
FR37_5	5	Saving up money in case I lose my job
FR37_6N (=FR37_6+FR37_13+ FR37_15)	6	Nothing particular – just for a rainy day + financial stability, (generally) security + money left over
FR37_9N (=FR37_9+FR37_14)	7	Traveling, holidays + higher standards of living, luxury
FR37_10	8	Education, e.g. University
FR37_11	9	Professional development, e.g. starting a company
FR37_12	10	Credit, paying back
FR37_16	11	I don't save / It's not possible
FR37_29	12	Other

The variables FR37_1 to FR37_29 always contain either 1 which means that this variable's description is indeed a saving motive, or “.” which means that this was not a saving motive. The contents of the variable FR37_7 have probably been coded into other variables, FR37_7 does not appear in the original database anymore.

Cyprus

In Cyprus the variables are called IQP1, IQP2 and IQP3, and the question is: “People have different reasons for saving, even though they may not be saving all the time. What are your most important reasons for saving?”. Up to three answers are recorded in the order they are reported. In the LWS database Cyprus can thus have values in variables SAVE_1, SAVE_2 and SAVE_3 but not in SAVE_4 to SAVE_6.

Value in LWS SAVE variables	Original variable description
0	This is recoded as “.” (missing). We have assumed that this is an error.
1	Children's education / education of grandchildren
2	Own education, spouse's education, education - NA for whom
3	For the children/family, to help the kids out, estate
4	This is recoded as “.” (missing). We have assumed that this is an error.
5	Medical expenses
11	Buying own house
12	Purchase of cottage or second home for own use
13	Buy a car, boat or other vehicle
14	Home improvements/repairs
15	To travel, take vacations, take other time off
16	Buy durable household goods, appliances, home furnishings, hobby and recreational items, for other purchases not codable above or not further specified, buy things when we need/want them, moving/special occasions
18	Charitable or religious contributions
21	Buying (investing in) own business/ equipment for business
22	Retirement/old age
23	Reserves in case of unemployment
24	In case of illness, medical/dental expenses
25	Emergencies, other unexpected needs.
26	Wedding, and other ceremonies (except 17)
27	To meet contractual commitments (debt repayment, insurance, taxes, etc.), to pay off house
28	“To get ahead”; to advance standard of living
29	Ordinary living expenses/bills
30	No reason (except 90, 91, 92)
31	Investment in business
33	Investments reasons (to get interest, to be diversified, to buy other forms of assets)
35	This is recoded as “.” (missing). We have assumed that this is an error.
41	This is recoded as “.” (missing). We have assumed that this is an error.
46	This is recoded as “.” (missing). We have assumed that this is an error.
90	Had extra income; saved because had the money left over -- no other purpose specified
91	Wise/prudent thing to do; good discipline to save; habit
92	Liquidity; to have cash available/on hand
96	Don't/can't save; "have no money"
97	Other
98	Don't know

UK

In the UK00 database the variables are called JSAVEY1 and JSAVEY2, and the question is: “What are you saving for?”. JSAVEY1 reports the first reason for saving and JSAVEY2 the second. These variables are thus trans-coded in the LWS database into variables SAVE_1 and SAVE_2. In the UK value -10 stands for proxies.

Value in UK variables	UK variable description	Value in LWS SAVE variables	LWS variable description
1	Holidays	1	Holidays
2	Old age	2	Old age
3	Car	3	Car
4	Children	4	Children
5	House purchase	5	House purchase
6	House improvement	6	House improvement
7	HH Bills	7	HH Bills
8	Special events	8	Special events
9	No special reasons	9	No special reasons
10	Share schemes	10	Share schemes
11	Own education	11	Own education
12	Grandchild	12	Grandchild
96	Other	96	Other
0	Not mentioned	.	missing /not in sample / not stated
-1	Don't know	-6	Don't know
-2	Refused	-7	Refusal
-8	Inapplicable	-8	Not applicable
-9	Missing or wild	.	missing /not in sample / not stated

US SCF

In the US SCF 2001 database the variables are called X3006, X3007, X7513, X7514, X7515 and X6848, and the question is: “People have different reasons for saving, even though they may not be saving all the time. What are your most important reasons for saving?”. Up to six answers are recorded in the order they are reported. In the LWS database this variable can thus have values in variables SAVE_1, SAVE_2, SAVE_3, SAVE_4, SAVE_5 and SAVE_6.

Value in US SCF variables	US SCF variable description	Value in LWS SAVE variables	LWS variable description
1	Children's education / education of grandchildren	1	Children's education / education of grandchildren
2	Own education, spouse's education, education - NA for	2	Own education, spouse's education, education - NA for

	whom		whom
3	For the children/family, to help the kids out, estate	3	For the children/family, to help the kids out, estate
5	Wedding, Bar Mitzvah and other ceremonies (except 17)	5	Wedding, Bar Mitzvah and other ceremonies (except 17)
6	To have children/a family	6	To have children/a family
9	To move (except 11)	9	To move (except 11)
11	Buying own house (code summer cottage in 12)	11	Buying own house (code summer cottage in 12)
12	Purchase of cottage or second home for own use	12	Purchase of cottage or second home for own use
13	Buy a car, boat or other vehicle	13	Buy a car, boat or other vehicle
14	Home improvements/repairs	14	Home improvements/repairs
15	To travel, take vacations, take other time off	15	To travel, take vacations, take other time off
16	Buy durable household goods, appliances, home furnishings, hobby and recreational items, for other purchases not codable above or not further specified, "buy things when we need/want them", moving/special occasions	16	Buy durable household goods, appliances, home furnishings, hobby and recreational items, for other purchases not codable above or not further specified, "buy things when we need/want them", moving/special occasions
17	Burial / funeral expenses	17	Burial / funeral expenses
18	Charitable or religious contributions	18	Charitable or religious contributions
20	"To enjoy life"	20	"To enjoy life"
21	Buying (investing in) own business/ equipment for business / farm	21	Buying (investing in) own business/ equipment for business / farm
22	Retirement/old age	22	Retirement/old age
23	Reserves in case of unemployment	23	Reserves in case of unemployment
24	In case of illness, medical/dental expenses	24	In case of illness, medical/dental expenses
25	Emergencies, other unexpected needs.	25	Emergencies, other unexpected needs.
26	Investments reasons (to get interest, to be diversified, to buy other forms of assets)	26	Investments reasons (to get interest, to be diversified, to buy other forms of assets)
27	To meet contractual commitments (debt repayment, insurance, taxes, etc.), to pay off house	27	To meet contractual commitments (debt repayment, insurance, taxes, etc.), to pay off house
28	"To get ahead;" to advance standard of living	28	"To get ahead;" to advance standard of living
29	Ordinary living expenses/bills	29	Ordinary living expenses/bills
31	No reason (except 90, 91, 92)	31	No reason (except 90, 91, 92)

32	“For the future”	32	“For the future”
90	Had extra income; saved because had the money left over -- no other purpose specified	90	Had extra income; saved because had the money left over -- no other purpose specified
91	Wise/prudent thing to do; good discipline to save; habit	91	Wise/prudent thing to do; good discipline to save; habit
92	Liquidity; to have cash available/on hand	92	Liquidity; to have cash available/on hand
-1	Don't/can't save; "have no money"	-1	Don't/can't save; "have no money"
-7	Other	-11	Other
0	Inapplicable only for X3007, X7513, X7514, X7515, X6848)	-8	Not applicable

PRECS

AMOUNT NEEDED TO COVER UNEXPECTED EXPENSES

This variable holds information about how much money individuals/households think they need to put aside in order to cover or prepare for unexpected events.

IT02: “People save in various ways (depositing money in a bank account, buying financial assets, property, other assets) and for different reasons. A first reason is to prepare for a planned event, such as the purchase of a house, their children’s education, etc. Another reason is to protect against contingencies, such as increased uncertainty about future earnings or unexpected outlays (owing to health problems or other emergencies). Approximately how much do you think your household should have available to meet such unexpected events?”

IT04: “People save in various ways (depositing money in a bank account, buying financial assets, property, other assets) and for different reasons. A first reason is to prepare for a planned event, such as the purchase of a house, their children’s education, etc. Another reason is to protect against contingencies, such as increased uncertainty about future earnings or unexpected outlays (owing to health problems or other emergencies). Approximately how much do you think your household should have available to meet such unexpected events?”

USS01: “About how much do you think you (and your family) need to have in savings for emergencies and other unexpected things that may come up?”

Database	Original name	Mapping (original to LWS)	
IT02	PRECAUT	$n=n$ euros (where n is a non-negative real number) ¹	$n=n$ euros (where n is a non-negative real number)
IT04	PRECAUT	$n=n$ euros (where n is a non-negative real number) ¹	$n=n$ euros (where n is a non-negative real number)
USS01	X7187	-1=Nothing	0=Nothing
		$n=n$ euros (where n is a non-negative real number)	$n=n$ dollars (where n is a non-negative real number)

¹Please note that the value 999,999 means that the person puts aside a million or more euros, as 999,999 is the theoretical maximum.

HORIZ

FINANCIAL TIME HORIZON

This variable records how much information on how far into the long term households are planning.

CY02: “In planning your / your family's saving and spending, which of the time periods listed on this page is most important to you and your (spouse/partner)?”

UK00: “Would you say your savings are mainly long term savings for the future or mainly short term savings for things you need now and for unexpected events?”

USS01: “In planning your / your family's saving and spending, which of the time periods listed on this page is most important to you and your (spouse/partner)?”

Database	Original name	Mapping (original to LWS)	
CY02	IQ4	1=Next few months	1=Next few months
		2=Next year	2=Next year
		3=Next 2-5 years	3=Next 2-5 years
		4=Next 5-10 years	4=Next 5-10 years
		5=Longer than 10 years	5=Longer than 10 years
		98=Don't know	-6=Don't know
		333=Missing	.=missing /not in sample / not stated
UK00	JSAVLT	1=Mainly long term	1= Mainly short term
		2=Mainly short term	2= Mainly long term
		3=Both equally	3=Both equally
		-1= Don't know	-6=Don't know
		-2=Refused	-7=Refusal
		-8=Not applicable	-8=Not applicable
		-9=Missing	.=missing /not in sample / not stated
USS01	X3008	1=Next few months	1=Next few months
		2=Next year	2=Next year
		3=Next 2-5 years	3=Next 2-5 years
		4=Next 5-10 years	4=Next 5-10 years
		5=Longer than 10 years	5=Longer than 10 years

SPEND

MONEY SHOULD BE SPENT

This variable describes the attitude to unexpected money, whether it should be spent or not.

AT04: “Please tell me in how far the following statement applies to you personally” –
“Money is there to be spent.”

IT04: “If you had a windfall equal to your household’s net monthly income would you” –
followed by the proposed values below.

Database	Original name	Mapping (original to LWS)	
AT04	FR1903	1=completely applicable	1=completely applicable
		2=rather applicable	2=rather applicable
		3=rather not applicable	3=rather not applicable
		4=completely inapplicable	4=completely inapplicable
IT04	ENTRAL	1=spend the lot	1=spend the lot
		2=save a small part	2=save a small part
		3=save about half	3=save about half
		4=save most of it	4=save most of it
		5=save the lot	5=save the lot

FLIT1

EFFORT OR TIME SPENT IN OBTAINING FINANCIAL INFORMATION

AT04: “Please let me know in how far each statement applies to you” - “I always look at various banks’ offers to find the best product.”

CY02: “When making major decisions about credit or borrowing, some people shop around for the very best terms while others don't. How much do you shop?”

IT04: “How much time do you spend, per week, obtaining information to help you decide how to invest your savings and manage your investments (think about the time you spend reading newspaper articles, on the Internet, watching television, looking at teletext, talking to your financial adviser...)?”

USS01: “When making major decisions about credit or borrowing, some people shop around for the very best terms while others don't. (What number would you be on the scale? What number would your family be on the scale?)”

Database	Original name	Mapping (original to LWS)	
AT04	FR43A06	4= completely inapplicable	1= completely inapplicable
		3=rather not applicable	2=rather not applicable
		2=rather applicable	3=rather applicable
		1=completely applicable	4= completely applicable
CY02	AQ3	1=almost no shopping	1=almost no shopping
		2=moderate shopping	2=moderate shopping
		3=a great deal of shopping	3=a great deal of shopping
IT04	INFOFIN	1=I don't spend any time	1=I don't spend any time
		2=Less than half an hour a week	2=Less than half an hour a week
		3=Between half an hour and one hour a week	3=Between half an hour and one hour a week
		4=Between 1 and 4 hours a week	4=Between 1 and 4 hours a week
		5=More than 4 hours a week	5=More than 4 hours a week
USS01	X7100	1=almost no shopping	1=almost no shopping
		2	2
		3=moderate shopping	3=moderate shopping
		4	4
		5=a great deal of shopping	5=a great deal of shopping

FLIT2_1 to FLIT2_10

IMPORTANT FINANCIAL INFORMATION SOURCES 1 - 10

This collection of variables holds information about what sources of financial information people use. It is a priority-based variable so it lists the financial sources in the order they've been mentioned or in decreasing order of importance for countries that support this.

Austria (not priority based)

AT04: "Which sources do you rely on when you seek information on financial issues (e.g. savings, investment, loans, etc.)?" The original variables are FR20_1, FR20_2, FR20_3, FR20_4, FR20_5, FR20_6, FR20_7, FR20_8, FR20_9 and FR20_10.

Variables	Value in LWS FLIT2_X variables	Original variable description
FR20_1	1	I talk to my financial advisor at my bank.
FR20_2	2	I get brochures at my bank.
FR20_3	3	I gather information at different banks.
FR20_4	4	I talk to independent financial advisors.
FR20_5	5	I talk to my family.
FR20_6	6	I talk to friends.
FR20_7	7	I talk to my colleagues at work.
FR20_8	8	I consult with the staff council at my workplace.
FR20_9	9	I browse the internet for information.
FR20_10	10	I rely on information from newspapers.

Cyprus (not priority based)

CY02: "How do you and your [spouse/partner] make decisions about credit or borrowing? Do you call around, read newspapers, material you get in the mail, use information from television, radio, an online service or advertisements? Do you get advice from a friend, relative, lawyer, accountant, banker, broker, or financial planner? Or do you do something else?"

CODE ALL THAT APPLY: CODE RESPONSES IN THE ORDER THEY ARE GIVEN."

Variables	Value in LWS FLIT variables	Original variable description
AQ4P5	2	*MAGAZINES/NEWSPAPERS
AQ4P8	4	*TELEVISION/RADIO or *ADVERTISEMENTS
AQ4P10	5	*ONLINE SERVICE/INTERNET
AQ4P2	7	*FRIEND/RELATIVE
AQ4P3	9	*ACCOUNTANT
AQ4P1	10	*BANKER
AQ4P4	11	*BROKER
AQ4P6	13	*SELF(NOT SHOWN ON CARD); spouse/partner

AQ4P9	14	*NEVER BORROW
AQ4P7	24	Insurance agent

US SCF

USS01: "How do you and your [spouse/partner] make decisions about credit or borrowing? Do you call around, read newspapers, material you get in the mail, use information from television, radio, an online service or advertisements? Do you get advice from a friend, relative, lawyer, accountant, banker, broker, or financial planner? Or do you do something else?"

CODE ALL THAT APPLY: CODE RESPONSES IN THE ORDER THEY ARE GIVEN."

Value in US SCF variables	US SCF variable description	Value in LWS FLIT variables	LWS variable description
1	*CALL AROUND	1	*CALL AROUND
2	*MAGAZINES/NEWSPAPERS	2	*MAGAZINES/NEWSPAPERS
3	*MATERIAL IN THE MAIL	3	*MATERIAL IN THE MAIL
4	*TELEVISION/RADIO	4	*TELEVISION/RADIO
5	*ONLINE SERVICE/INTERNET	5	*ONLINE SERVICE/INTERNET
6	*ADVERTISEMENTS	6	*ADVERTISEMENTS
7	*FRIEND/RELATIVE	7	*FRIEND/RELATIVE
8	*LAWYER	8	*LAWYER
9	*ACCOUNTANT	9	*ACCOUNTANT
10	*BANKER	10	*BANKER
11	*BROKER	11	*BROKER
12	*FINANCIAL PLANNER	12	*FINANCIAL PLANNER
13	*SELF(NOT SHOWN ON CARD); spouse/partner	13	*SELF(NOT SHOWN ON CARD); spouse/partner
14	*NEVER BORROW	14	*NEVER BORROW
16	Don't shop around; always use same institution	16	Don't shop around; always use same institution
17	Past experience	17	Past experience
18	Material from work/business contacts	18	Material from work/business contacts
19	Other personal research	19	Other personal research
20	Real estate broker; builder	20	Real estate broker; builder
21	Other institutional source (e.g., college, social service agency, etc.)	21	Other institutional source (e.g., college, social service agency, etc.)
22	Shop around	22	Shop around
23	Store; dealer	23	Store; dealer
24	Insurance agent	24	Insurance agent
0	Not applicable (usually meaning that previous priority variables have already exhausted people's	-8	Not applicable

	choices of financial sources)		
-7	*OTHER	-11	*OTHER

CARD

POSSESSION OF CREDIT CARDS

This variable records whether household has credit cards or not.

AT04: “How many credit cards are there in your household?”

CA99: “Do you or somebody in your household have any credit card?”¹

CY02: “Do you or anyone in your family living here have any credit cards or charge cards? Are any of the cards you and your family living here have any type of Visa or Mastercard? Please do not include debit cards.”

IT02: “In 2002 did you or another member of your household possess at least one credit card for household expenditure (which can be used to make payments in hotels, restaurants and shops, etc.)?”

IT04: “In 2004 did you or another member of your household have...” – “a credit card (excluding company cards)”?

UK00: “Do you have any store cards or credit cards such as Visa, Access or Mastercard either in your name or shared with someone else? Do not include `Switch`, `Connect` or other direct debit cards.”

USS01: Do you or anyone in your family living here have any credit cards or charge cards? Are any of the cards you and your family living here have any type of Visa or Mastercard? Please do not include debit cards.”

Database	Original name	Mapping (original to LWS)	
AT04	FR29	0=no credit cards	0=no
		n>0=n credit cards in household (n is a non-negative integer)	1=yes
CA99	ATTCRC	1=yes	1=yes
		2=no	0=no
		6=Not stated	.=missing /not in sample / not stated
		7=Don't know	-6=Don't know
		8=Refuse	-7=Refusal
		9=Not applicable	.=missing /not in sample / not stated
CY02	BQ6X2P1, BQ6X2P2, BQ6X2P3 (via NCARD)	1=yes	1=yes
		.	.=missing /not in sample / not stated
IT02	CARTA	1=yes	1=yes
		2=no	0=no

¹ The original question is probably slightly different, but documentation stating the exact question was not available.

IT04	CARTA	1=yes	1=yes
		2=no	0=no
UK00	JFCCARD	1=yes	1=yes
		2=no	0=no
		-1=Don't know	-6=Don't know
		-2=Refused	-7=Refusal
		-8=Inapplicable	-8=Not applicable
		-9=Missing or wild	.=missing /not in sample / not stated
USS01	X410	1=yes	1=yes
		5=no	0=no

NCARD

NUMBER OF CREDIT CARDS

This variable records how many credit cards the household interviewed owns.

AT04: “How many credit cards are there in your household?”

CA99: “How many credit cards are there in your household?”²

CY02: “How many (credit cards do you and your family own)? Please do not count duplicate cards for the same account or any business or company accounts.”

IT02: “How many credit cards did your household possess at the end of 2002 (exclude company cards)?”

IT04: “How many credit cards did your household possess at the end of 2004 (excluding company cards)?”

USS01: “How many (credit cards or charge cards do you and your family own)? Please do not count duplicate cards for the same account or any business or company accounts.”

Database	Original name	Mapping (original to LWS)	
AT04	FR29	n=n credit cards in household (n is a non-negative integer)	n=n credit cards in household (n is a non-negative integer)
CA99	DVFCRN	1=no cards	1=no cards
		2=1 or 2 cards	2=1 or 2 cards
		3=3 or 4 cards	3=3 or 4 cards
		4=5 or more cards	4=5 or more cards
		9=not applicable	-8=not applicable
CY02	BQ6X2P1, BQ6X2P2, BQ6X2P3	See below for detailed explanations.	
IT02	CARTE	n=number of distinct credit cards in household (n is a non-negative integer)	n=number of distinct credit cards in household (n is a non-negative integer)
IT04	CARTE	n=number of distinct credit cards in household (n is a non-negative integer)	n=number of distinct credit cards in household (n is a non-negative integer)
USS01	X411	n=number of distinct credit cards in household (n is a non-negative integer)	n=number of distinct credit cards in household (n is a non-negative integer)
		-1=None	0=None
		0=Inapplicable	-8=Not applicable

² See ¹.

Cyprus

The variable definition in Cyprus is quite different to the one in other countries. The variables BQ6X2P1, BQ6X2P2 and BQ6X2P3 record information about how many credit cards the individual has from a certain institution, the code of which is saved in the corresponding variables BQ6X1P1, BQ6X1P2 and BQ6X1P3 which we don't need here. Values from $v=1$ to $v=4$ are considered to mean that the person has v credit cards from the corresponding institution. However, the value $v=5$ is interpreted as the person having an undetermined number of credit cards but at least one from the respective institution. Thus when $v=5$, the total number of credit cards starts from 81 (up to 89 which is the theoretical maximum due to questionnaire design) which means *at least* 1 credit card (and 89 means *at least* 9 credit cards). In the original database the value 6 also appears but this is considered to be a mistyping of 5 and thus mapped to 5.

The algorithm to convert the BQ6X2P1, BQ6X2P2 and BQ6X2P3 to NCARD works as follows. The exactly known numbers of credit cards are added together in a variable called *ccknown*, and the unknown number of cards in a variable called *ccunknown*. *ccunknown* increases each time a 5 is encountered since we can only say that the individual has then at least one more credit card. If *ccunknown* is 0, then NCARD will just be *ccknown* and this will be the exact number of cards. If *ccunknown* > 0 , then *ccknown* and *ccunknown* are added together and 80 is added so that we can distinguish between "exact" and "at least" numbers of credit cards. E.g., NCARD=7 means that the person has exactly 7 credit cards, and NCARD=83 means that the person has at least $84-80=3$ credit cards.

ONBK

USE ONLINE BANKING

This variable records whether people in a household do their banking online or not.

AT04: “Please tell me in how far the following statement applies to you personally” – “I carry out the majority of my financial transactions through online banking”

IT02: see below.

IT04: see below.

Database	Original name	Mapping (original to LWS)	
AT04	FR43A09	1=completely applicable	1=completely applicable
		2=rather applicable	2=rather applicable
		3=rather not applicable	3=rather not applicable
		4=completely inapplicable	4=completely inapplicable

Italy

In the Italy 2002 dataset, the questionnaire first asks the prior question “During 2002 did you or another member of your household use distance links (telephone or computer) with banks or financial intermediaries?”. Then the question is “Which ones?” and the proposed answers we have used here are “link via Internet” (MCOLDIS3) and “link via personal computer after installing software provided by the bank” (MCOLDIS4).

In 2004, the prior question is almost the same: “During 2004 did you or another member of your household use distance links (telephone or computer) with banks or financial intermediaries?” and the follow-up question is again “Which ones?”, but the answers proposed are now “Internet banking” (MCOLDIS3) and “via personal computer after installing software provided by the bank” (MCOLDIS4). MCOLDIS3 and MCOLDIS4 allow as answers 1=yes and 2=no and nothing else.

The construction of the variable ONBK in Italy bases itself on answers to both MCOLDIS3 and MCOLDIS4. If the individual answers yes to either of the questions then ONBK will be 1=yes, even if the other question is answered no to. If the individual doesn't answer yes to either one but says no to one or both of them, then ONBK will take the value 0=no. If none of the variables is answered too, ONBK will just have a missing value.

The variables *HLTHH* (health status of head) and *HLTHS* (health status of spouse) can be found under the demographic section of LWS.

HLTH1

FREQUENCY OF SPORTS

DE02: “Frequency: sports, gymnastics, fitness training“

UK00: “We are interested in the things people do in their leisure time; I'm going to read out a list of some leisure activities. Please look at the card and tell me how frequently you do each one” – “Play sport or go walking or swimming” (this is one possible choice among 11 others)

USP01: “How often do you participate in vigorous physical activity or sports – such as heavy housework, aerobics, running, swimming or bicycling?” Number of times (ER19706) / Time Unit (ER19707)

Database	Original name	Mapping (original to LWS)	
DE02	UP88	1=Regularly	1=Regularly
		2=Occasionally	2=Occasionally
		3=Never	3=Never
		-1=No answer	.=missing /not in sample / not stated
UK00	JLACTA	1=At least once a week	1=At least once a week
		2=At least once a month	2=At least once a month
		3=Several times a year	3=Several times a year
		4=Once a year or less	4=Once a year or less
		5=Never / almost never	5=Never / almost never
		-1=Don't know	-6=Don't know
		-2=Refused	-7=Refusal
		-8=Inapplicable	-8=Not applicable
		-9=Missing or wild	.=missing /not in sample / not stated

For the US PSID database (USP01), the variable ER19707 have been transformed into one new variable (HLTH1) so that it's comparable with the variables in other databases. The first variable dealing with heavy activity records the number of times of activity, and the second variable records the respective time unit (day/month/year etc.). They can thus be transformed into a frequency. We use as common denominator the year, so the frequency is in number of times of activity per year.

Finally, the values are as follows:

non-negative integer n =number of activities per year
-6=Don't know

HLTH2A

SMOKER

This dummy variable records whether people smoke or not.

DE02: "Do you currently smoke, be it cigarettes, a pipe or cigars?"

UK00: "Do you smoke cigarettes?"

USP01: "Do you smoke cigarettes?"

USS01: "Do you currently smoke?"

Database	Original name	Mapping (original to LWS)	
DE02	UP8901	1=Yes	1=Yes
		2=No	0=No
		-1=No answer	.=missing /not in sample / not stated
UK00	JSMOKER	1=Yes	1=Yes
		2=No	0=No
		-1=Not answered	.=missing /not in sample / not stated
		-2=Refused	-7=Refusal
		-8=Not applicable	-8=Not applicable
		-9=Missing	.=missing /not in sample / not stated
USP01	ER19708	1=yes	1=yes
		5=no	0=no
		8=Don't know	-6=Don't know
		9=N/A or refused	-8=Not applicable
USS01	X7380	1=yes	1=yes
		5=no	0=no
		0=Inapplicable	-8=Inapplicable

HLTH2B

CIGARETTES PER DAY

This variable records how many cigarettes individuals smoke per day.

DE02: “Cigarettes ____ per day”

UK00: “Approximately how many cigarettes a day do you usually smoke, including those you roll yourself?”

USP01: “On the average, how many cigarettes per day do you smoke?”

Database	Original name	Mapping (original to LWS)	
DE02	UP8902	$n \in \{1,2,\dots,100\}$ =number of cigarettes per day	$n \in \{1,2,\dots,200\}$ =number of cigarettes per day
		-1=No answer	.=missing /not in sample / not stated //look up
		-2=Does not apply	-8=not applicable
UK00	JNCIGS	$n \in \{1,2,\dots,100\}$ =number of cigarettes per day	$n \in \{1,2,\dots,100\}$ =number of cigarettes per day
		-8=Inapplicable	-8=Not applicable
		-9=Missing or wild	.=missing /not in sample / not stated
USP01	ER19709	$n \in \{1,2,\dots,100\}$ =actual number of cigarettes per day	$n \in \{1,2,\dots,200\}$ =actual number of cigarettes per day
		998=Don't know	-6=Don't know
		999=N/A or refused	-8=Not applicable
		0=Inap.: head does not smoke	0=0 cigarettes per day

ATT1

OVERALL HAPPINESS

This variable contains information about individuals' happiness and satisfaction.

DE02: "How satisfied are you with your overall standard of living?"

IT04: "Looking at every aspect of your life, how happy would you say you are? Please answer on a scale of 1 to 10, where 1 is "Very unhappy", 10 is "Very happy" and the figures in between indicate various degrees of response."

UK00: "How satisfied are you with your current job?"

USP01: "In the past 30 days, about how often did you feel so sad nothing could cheer you up?"

Database	Original name	Mapping (original to LWS)	
DE02	UP0111	0=totally unhappy	0= totally unhappy
		1	1
		2	2
		3	3
		4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10=totally happy	10= totally happy
		-1=No answer	.=missing /not in sample / not stated
IT04	HAPPY	1=Very unhappy	1=Very unhappy
		2	2
		3	3
		4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10=Very happy	10=Very happy
UK00	JJBSAT	1=Not satisfied at all	1=Not satisfied at all
		2	2
		3	3
		4=Neither satisfied nor dissatisfied	4= Neither satisfied nor dissatisfied
		5	5
		6	6

		7=Completely satisfied	7=Completely satisfied
		0=Doesn't apply	-8=Not applicable
		-1=Don't know	-6=Don't know
		-2=Refused	-7=Refusal
		-8=Inapplicable	-8=Not applicable
		-9=Missing or wild	.=missing /not in sample / not stated
USP01	ER19828	1=All of the time	1=All of the time
		2=Most of the time	2=Most of the time
		3=Some of the time	3=Some of the time
		4=A little of the time	4=A little of the time
		5=None of the time	5=None of the time
		8=Don't know	-6=Don't know
		9=N/A or refused	-8=Not applicable

ATT2

LEVEL OF WORRY

This variable contains information about how worried individuals are.

DE02: "I see myself as someone who worries a lot."

UK00: "Have you recently lost much sleep over worry?"

USP01: "In the past 30 days, about how often did you feel nervous?"

Database	Original name	Mapping (original to LWS)	
DE02	VP12505	1=Does not apply to me at all	1= Does not apply to me at all
		2	2
		3	3
		4	4
		5	5
		6	6
		7=Applies to me perfectly	7=Applies to me perfectly
		-1=No answer	.=missing /not in sample / not stated
UK00	JGHQB	1=Not at all	1=Not at all
		2=No more than usual	2=No more than usual
		3=Rather more than usual	3=Rather more than usual
		4=Much more than usual	4=Much more than usual
		-2=Refused	-7=Refusal
		-9=Missing or wild	.=missing /not in sample / not stated
USP01	ER19829	5=None of the time	1=None of the time
		4=A little of the time	2=A little of the time
		3=Some of the time	3=Some of the time
		2=Most of the time	4=Most of the time
		1=All of the time	5=All of the time
		8=Don't know	-6=Don't know
		9=N/A or refused	-8=Not applicable

ATT3

VOLUNTARY COMMITMENT

This variable contains information about whether individuals engage in voluntary work.

DE02: “Now some questions about your free-time. Please indicate how often you take part in each activity: daily, at least once a week, at least once a month, seldom or never?”
– “Honorary office participation in clubs, associations or social services”

UK00: “We are interested in the things people do in their leisure going to read out a list of some leisure activities. Please card and tell me how frequently you do each one. Do unpaid voluntary work.”

USP01: “Let’s talk about volunteering through charitable organizations. By “volunteering” we mean spending time doing unpaid work and not just belonging to an organization. Volunteers are involved in many activities such as coaching, helping at school, serving on committees, building and repairing, providing health care or emotional support, delivering food, doing office work, organizing activities, fundraising, and other kinds of work done for no pay. During the year 2000, did you (HEAD) do any volunteer work through organizations that totaled 10 hours or more?”

USS01: “During 2000, did you volunteer an average of one hour or more a week to any charitable organizations?” / “During 2000, did you or anyone in your family living here volunteer an average of one hour or more a week to any charitable organizations?”

(Please do not include time volunteered for political causes.)

Database	Original name	Mapping (original to LWS)	
DE02	TP1406	5=Never	1=Never
		4=Seldom	2=Seldom
		3=At least once a month	3=At least once a month
		2=At least once a week	4=At least once a week
		1=Daily	5=Daily
		-1=No answer	.=missing /not in sample / not stated
UK00	JLACTL	5=Never / almost never	1=Never / almost never
		4=Once a year or less	2=Once a year or less
		3=Several times a year	3=Several times a year
		2= At least once a month	4=At least once a month
		1=At least once a week	5=At least once a week
		-1=Don’t know	-6=Don’t know
		-2=Refused	-7=Refusal
		-8=Inapplicable	-8=Not applicable
-9=Missing or wild	.=missing /not in sample / not stated		
USP01	ER20088 (head)	1=yes	1=yes
		5=no	0=no
		8=Don’t know	-6=Don’t know

		9=N/A or refused	-8=Not applicable
USS01	X7662	1=yes	1=yes
		5=no	0=no