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2013 EU-SILC MODULE ON WELLBEING

Assessment of the implementation

TABLE OF CONTENTS

1	Introduction	4
2	Analysis of the variables.....	5
2.1	Breakdowns of the frequencies by socioeconomic indicators	15
2.2	Breakdowns of “filled” values by PW010 classification	21
2.3	AHM2013 Items correlation	22
2.3.1	<i>Correlation between PW010: Overall Life Satisfaction and other EU-SILC AHM 2013 items at country level.....</i>	<i>25</i>
2.3.2	<i>Satisfaction items correlation at country level</i>	<i>27</i>
2.3.3	<i>Emotional evaluation items correlation and trust items correlation at country level</i>	<i>27</i>
3	Unit non-response by country	33
3.1	Unit non-response rate by sex.....	34
3.2	Unit non-response rate by age group.....	36
3.3	Unit non-response rate by degree of urbanisation	37
3.4	Unit non-response by economic status.....	38
4	Analysis of flags.....	39
4.1	Flag -1: “Missing”	39
4.2	Flag -2 “Not applicable” or “I have no relatives, friends, neighbours”	45
4.3	Flag -3: “Not Selected Respondent”	45
4.4	Flag -4 “Not applicable (home office)”	45
5	“Do not know” answers analysis.....	47
6	Qualitative Analysis.....	50
7	Questionnaire Analysis	56
7.1	Overall life satisfaction	56
7.2	Being happy	58
7.3	Meaning of life.....	59
7.4	Trust in the political system.....	61
7.5	Help from others	62
8	Conclusions	64
	Annex 1: Frequencies of “filled” values for each variable by country (weighted values)	65
	Annex 2: Frequencies of flags for each variable by country (unweighted values)	75

LIST OF TABLES

Table 1: Grouping of satisfaction and trust AHM2013 items for the construction of chi-square tests	15
Table 2: Breakdown of AHM2013 frequencies by socioeconomic indicators – list of no statistical significant results by country, AHM2013 item and socioeconomic indicator	16
Table 3: Validation of the relation between 2013 AHM items and selected socioeconomic indicators - most frequent indicator categories under set comparison bases (External Consistency).....	18
Table 4: Validation of the relation between item PW010: Overall Life Satisfaction and the rest of the module items (Internal Consistency)	21
Table 5: Pearson correlation coefficient of the EU-SILC AHM 2013 items at EU-28 level	23
Table 6: AHM2013 items correlation to Overall Life Satisfaction (PW010) statistics	26
Table 7: AHM2013 Satisfaction items correlation statistics	28
Table 8: AHM2013 Emotional evaluation items correlation statistics.....	31
Table 9: AHM2013 Trust items correlation statistics.....	31
Table 10: Unit non-response rate by Sex	35
Table 11: Unit non-response rate by Age Group	36
Table 12: Unit non-response rate by Degree of Urbanisation	37
Table 13: Unit non-response by Economic Status.....	38
Table 14: Country Classification by level of item non-response	40
Table 15: Flag -1: Missing (Item non-response at country level)	43
Table 16: Flag -2: Not applicable (PL031 not = 1, 2, 3 or 4) for PW100 and PW110 / "I have no relatives, friends, neighbours" for PW180	46
Table 17: Flag -4: Flag -3: Not selected respondents (applies for all AHM items)	46
Table 18: Flag -4: Not applicable (home office) (PW110: Satisfaction with commuting time).....	46
Table 19: Share of "Do not know" answers by country and module item	48
Table 20: AHM Questionnaire position in the EU-SILC Questionnaire	51
Table 21: AHM items ordering	52
Table 22: Overall life satisfaction (PW010) – Distribution of responses on verbal scale by numerical scale	54

LIST OF FIGURES

Figure 1: Linear correlation of Overall Life Satisfaction vs other EU-SILC AHM2013 items (median of the absolute values for the participating countries).....	25
Figure 2: EU-SILC AHM2013 Unit non-response by country (%)	33

LIST OF ABBREVIATIONS

AHM	Ad-hoc Module
EU-SILC	European Union Statistics on Income and Living Conditions
SAS	Statistical Analysis System
SWB	Subjective Well - Being

1 Introduction

The aim of this report is to present the key findings of the data validation rules performed on the microdata of the countries that participated in the EU-SILC 2013 AHM on Well-being¹. The data validation rules were developed in SAS environment and are documented in detail in the document entitled “*SAS codes D.A.1*”.

The data validation rules applied include the standard frequency analysis of the module items and their flags and more advanced validation rules studying the consistency of the variables’ distributions with specific socioeconomic indicators (external consistency validation, par. 2.1) and compared to other module items (internal consistency validation, par. 2.2 and 2.3). Section 3 studies the unit non-response by country and by selected socioeconomic characteristics for the detection of sources of bias. The results of the analysis of the flags are presented in Section 4.

The statistical methods used in the frame of advanced validation include chi-square tests and pairwise Pearson correlation coefficients. Both are widely accepted as standard tools for the identification and interpretation of statistically significant results.

In contrast to previous modules, proxy answers are not allowed since the module items are of purely subjective nature. Questionnaires provided by proxies were either discarded from the module sample or special efforts were made to collect the module data from the persons intended by telephone interview (EL, ES, FI, PT and SK). Romania was the only country to provide proxy answers for the module items. Proxy answers are not taken into account in the frame of the statistical analysis and are also excluded from the data validation procedure.

In order to account for the exclusion of proxy answers from the module sample, special weights were calculated by some countries² for the analysis of the module data. For the rest of the countries, this case of non-response is accounted for by the Core EU-SILC cross-sectional weights.

“Do not know” answers³ are studied separately since they do not provide a definite subjective opinion of the respondent, while such answers are also excluded from every statistical analysis performed on the module items. The share of such answers by country and module item is fairly small and generally homogenous. Special cases are underlined in section 5.

Sections 6 and 7 summarise the findings of the Qualitative Analysis of the module data. Section 6 focuses on the assessment of the impact various context-related parameters may have had on the responses, whereas section 7 focuses on the identification of wording deviations for a selection of module items and national languages (Questionnaire Analysis).

¹ Selected findings are presented for Montenegro.

² AT, BE, CZ, IT, LU, LV, RO and SI.

³ See section 2 for “Do not know” answers coding

2 Analysis of the variables

In this section an analysis of the frequencies of the answers variable by variable is included. For getting the complete description of the variables please read the document: [EU-SILC 2013 Module on Well-Being: Description of SILC secondary target variables](#).

Due to the subjective nature of the variables and the need for the identification of useful findings, certain groupings were applied for the satisfaction and the trust items instead of the 0-10 scale (more in paragraph 1.1). In the frame of this simple variable by variable analysis, the groupings are useful for providing a common basis for cross-country comparisons on samples of sufficient size⁴. Detailed results are presented in Annex 1.

PW010: Overall life satisfaction

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Life satisfaction represents a report of how a respondent evaluates or appraises his or her life taken as a whole, focusing at the period during which the interview was performed.

Main results:

Figures vary significantly among countries. The share of answers in range 6-10 for Germany is 89.3%, while more than 60% of the answers for Serbia and Bulgaria range from 0 to 5.

PW020: Meaning of life

Values	
0-10	From 0 (Not worthwhile at all) to 10 (Completely worthwhile)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Meaning of life variable refers to the respondent's opinion/feelings regarding the value and purpose of life, important life goals, and for some, spirituality.

⁴ The distribution of satisfaction / trust items varies vastly across countries, while the respondents of some countries may be more inclined to provide answers "0" or "10" than those of other countries. Grouping the 0-10 scale makes comparisons more robust, while increasing the samples on which the comparisons are performed.

Main results:

More than 40% of the answers for Germany and Iceland range from 6 to 10 whereas more than 40% of then answers for Bulgaria and Montenegro range from 0 to 5.

PW030: Satisfaction with financial situation

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the financial situation of his/her household, focusing at the period during the interview was performed.

Main results:

Less than 5% of the answers for Lithuania, Portugal, Greece, Serbia and Bulgaria range from 9 to 10, whereas the respective share for Germany, Norway and Sweden exceeds 30%.

PW040: Satisfaction with accommodation

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the accommodation in terms of meeting the household needs/opinion on the price (intended as financial burden related to accommodation), taking into account space, neighbourhood, distance to work, quality and other aspects.

Main results:

More than 50% of the answers for Germany, Austria, Switzerland and Finland range from 9 to 10, whereas more than 40% of the answers for Bulgaria and Serbia range from 0 to 5.

PW050: Being very nervous

Values	
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's extent to which he/she has felt this way during the past four weeks. For "*being nervous*" it should be intended a status characterised by or showing emotional tension, restlessness, agitation, etc.

Main results:

The share of "*None of the time*" answers for Norway and Ireland exceeds 50%, whereas the share of "*All of the time*" answers for Greece, Cyprus and Portugal is greater than 8%.

PW060: Feeling down in the dumps

Values	
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Similar to PW050, the respondent was invited to indicate to what extent he/she has felt this way during the past four weeks.

Main results:

The share of "*None of the time*" answers for Norway, Sweden and Germany exceeds 70%, whereas the share of "*All of the time*" answers for Greece, Cyprus and Portugal is greater than 4%.

PW070: Feeling calm and peaceful

Values	
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Similar to PW050, the respondent was invited to indicate to what extent he/she has felt this way during the past four weeks.

Main results:

Iceland is by far the country with the greatest share of “*All of the time*” answers (34.5%), whereas Greece is by far the country with the greatest share of “*None of the time*” answers (12.3%).

PW080: Feeling downhearted or depressed

Values	
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Similar to PW050, the respondent was invited to indicate to what extent he/she has felt this way during the past four weeks.

Main results:

The share of “*None of the time*” answers for Lithuania, Slovenia and Serbia exceeds 60%, whereas the share of “*All of the time*” answers for Greece, Cyprus and Portugal is greater than 4%.

PW090: Being happy

Values	
1	All of the time
2	Most of the time
3	Some of the time
4	A little of the time
5	None of the time
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

Similar to PW050, the respondent was invited to indicate to what extent he/she has felt this way during the past four weeks.

Main results:

The share of “*All of the time*” answers for Iceland and the Netherlands exceeds 20%, whereas Greece is by far the country with the greatest share of “*None of the time*” answers (10.8%).

PW100: Job satisfaction

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know

Flags	
1	Filled
-1	Missing
-2	Not applicable (PL031 not = 1, 2, 3 or 4)
-3	Not selected respondent

Job Satisfaction refers to the respondent’s opinion/feeling about the degree of satisfaction with his/her job, focusing at the period during the interview was performed. Individuals who are currently working (PL031 not = 1, 2, 3 or 4) were invited to answer.

Main results:

More than 40% of the answers for Germany, Austria, Iceland and Finland range from 9 to 10, whereas the respective share for Greece, Bulgaria and Serbia is smaller than 20%.

PW110: Satisfaction with commuting time

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know
Flags	
1	Filled
-1	Missing
-2	Not applicable (PL031 not = 1, 2, 3 or 4)
-4	Not applicable (home office)
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the commuting time, focusing at the period during the interview was performed. Individuals who are currently working (PL031 not = 1, 2, 3 or 4) were invited to answer.

Main results:

47.4% of the answers for Bulgaria range from 0 to 5, whereas a group of 8 countries presents a share of answer in the range between 9 and 10 that exceeds 50%.

PW120: Satisfaction with time use

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the satisfaction with time use as a self-defined and self-perceived concept, focusing at the period during the interview was performed.

Main results:

Germany is by far the country with the greatest share of answers ranging between 9 and 10 (42.1%), whereas Bulgaria is by far the country with the greatest share of answers ranging between 0 and 5 (51.5%).

PW130: Trust in the political system

Values	
0-10	From 0 (No trust at all) to 10 (Complete trust)
99	Do not know
Flags	
1	Filled
-1	Missing

-3	Not selected respondent
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The variable refers to the respondent's opinion/feeling on the term "political system" as a complete set of institutions, interest groups (such as political parties, trade unions), the relationships between those institutions and the political norms and rules that govern their functions.

Main results:

More than 60% of the answers for Portugal, Slovenia, Greece, Spain and Italy range between 0 and 2, whereas more than 60% of the answers for Switzerland, Finland and the Netherlands range between 6 and 10.

PW140: Trust in the legal system

Values	
0-10	From 0 (No trust at all) to 10 (Complete trust)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling on the term 'legal system' as the entire system for interpreting and enforcing the laws and not to a specific legal entity within the country.

Main results:

More than 40% of the answers for Portugal, Slovenia, Bulgaria, Spain and Serbia range between 0 and 2, whereas more than 70% of the answers for Germany, Finland and Norway range between 7 and 10.

PW150: Trust in the police

Values	
0-10	From 0 (No trust at all) to 10 (Complete trust)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling on the term "police" as an institution.

Main results:

63.9% of the answers for Bulgaria range between 0 and 4, whereas more than 70% of the answers for Finland and Germany range between 8 and 10.

PW160: Satisfaction with personal relationships

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with his/her personal relationships, focusing at the period during the interview was performed.

Main results:

51.1% of the answers for Bulgaria range between 0 and 5, whereas more than 50% of the answers for Ireland, Austria, Switzerland, the United Kingdom, Germany, Malta, Slovenia and Norway range between 8 and 10.

PW170: Personal matters (anyone to discuss with)

Values	
1	Yes
2	No
9	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the presence of at least one person the respondent can discuss personal matters with. The potential is of having somebody to discuss personal matters with whether the respondent has needs it or not.

Main results:

Greece has by far the greatest share of negative answers (22.4%), whereas the share of positive answer for all other countries except Italy exceeds 90%.

PW180: Help from others

Values	
1	Yes
2	No
9	Do not know
Flags	
1	Filled
-1	Missing

-2	I have no relatives, friends, neighbours
-3	Not selected respondent

The variable refers to the respondent's possibility to ask for help (any kind of help: moral, material or financial) from any relatives, friends or neighbours/neighbors. The question is about possibility for the respondent to ask for help whether the respondent needs it or not. Only relatives and friends (or neighbours/neighbors) who don't live in the same household as the respondent should be considered.

Main results:

The share of negative answers for Luxemburg, Serbia, Italy, Greece, Croatia, Portugal, Montenegro and Lithuania is greater than 10%, while for most of the other countries the respective share is considerably smaller.

PW190: Trust in others

Values	
0-10	From 0 (You do not trust any other person) to 10 (Most people can be trusted)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable is of general nature. It does not refer to a specific group of people.

Main results:

76.0% of the answers for Germany range between 8 and 10, whereas more than 40% of the answers for Bulgaria, Serbia and Cyprus range between 0 and 4.

PW200: Satisfaction with recreational or green areas

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know
Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the recreational or green areas in the place where he/she lives; focusing at the period during the interview was performed.

Main results:

58.0% of the answers for Bulgaria range between 0 and 5, whereas more than 50% of the answers for Austria, Norway, Sweden, Switzerland and Germany range between 8 and 10.

PW210: Satisfaction with living environment

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
99	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the quality of his/her living environment, focusing at the period during the interview was performed.

Main results:

More than 50% of the answers for Bulgaria and Serbia range between 0 and 5, whereas more than 50% of the answers for Austria and Germany range between 8 and 10.

PW220: Physical security

Values	
0-10	From 0 (Not at all satisfied) to 10 (Completely satisfied)
1	Very safe
2	Fairly safe
3	A bit unsafe
4	Very unsafe
9	Do not know

Flags	
1	Filled
-1	Missing
-3	Not selected respondent

The variable refers to the respondent's opinion/feeling about the level of security he experiences in the area close to the place of his residence.

Main results:

The share of "Very safe" answers for Malta, Norway and Cyprus is greater than 50%, whereas the share of "Very unsafe" answers for Greece is 16.5%.

2.1 Breakdowns of the frequencies by socioeconomic indicators

An important part of the 2013 module data validation process is related to the study of the breakdowns of the module items by a selection of socioeconomic indicators. It is evident that people at risk of poverty are expected to provide smaller values more frequently than others for item PW010: Overall Life Satisfaction. If this is not the case, and there is no solid explanation to back up a different finding, then the data reliability will be in question.

The socioeconomic indicators selected for data validation purposes are:

- *Sex (Core EU-SILC variable RB090)*
- *Age group at the date of the interview (Calculated from derived EU-SILC variable age_iw)*
- *At risk of poverty (threshold = 60% of median) classification (Derived EU-SILC variable arpt60i)*
- *Severe material deprivation classification (Derived EU-SILC variable sev_dep)*
- *Degree of urbanisation (Core EU-SILC variable DB100)*
- *Country of birth (Derived EU-SILC variable c_birth)*

The age groups used were: a) 16-24, b) 25-49, c) 50-64 and d) 65+ years of age at the date of the interview.

The main criterion for the selection of these indicators is to test the consistency of the module items value distributions to socioeconomic characteristics that are expected to be related with deviations in the responses across categories (males vs females, young vs old etc.). *Material deprivation and poverty are expected to affect the way the participants respond and identifying such a connection is a significant feature of the Data Validation project. Finding similar patterns across different age groups, degrees of urbanisation etc. and connecting them to experience and related bibliography is also a major asset of these advanced data validation rule.*

To search for such findings and check their statistical significance, chi-square tests were performed at country level. All items measured in scale 0-10 were grouped into 3 classes each. The groupings applied were based on the distribution of the values, so that each group would be represented through a sufficiently large sample⁵. Group 1 represents “Low” satisfaction / trust level, group 2 “Medium” satisfaction / trust level and group 3 “High” satisfaction / trust level. For the trust items (PW130, PW140, PW150 and PW190) this grouping is used for data validation purposes only⁶. No grouping was required for items PW050-PW090, PW170, PW180 and PW220.

Table 1: Grouping of satisfaction and trust AHM2013 items for the construction of chi-square tests

Item	Group 1	Group 2	Group 3
PW010: Overall life satisfaction	0-5	6-8	9-10
PW020: Meaning of life	0-5	6-8	9-10
PW030: Satisfaction with financial situation	0-5	6-8	9-10
PW040: Satisfaction with accommodation	0-5	6-8	9-10
PW100: Job satisfaction	0-5	6-8	9-10
PW110: Satisfaction with commuting time	0-5	6-8	9-10
PW120: Satisfaction with time use	0-5	6-8	9-10
PW130: Trust in the political system	0-2	3-5	6-10

⁵ The cut-off points are built taking into account the distribution of the items by country and the need for a common grouping that allocates a sufficient share of respondents to each group, for all countries

⁶ The efficiency of chi-square tests is based on the sufficiency of the samples on which it is performed. Chi-square tests could be performed on the 11 initial categories (0-11) but they would be less reliable.

Item	Group 1	Group 2	Group 3
PW140: Trust in the legal system	0-2	3-6	7-10
PW150: Trust in the police	0-4	5-7	8-10
PW160: Satisfaction with personal relationships	0-5	6-8	9-10
PW190: Trust in others	0-4	5-7	8-10
PW200: Satisfaction with recreational or green areas	0-5	6-8	9-10
PW210: Satisfaction with living environment	0-5	6-8	9-10

Of the great number of chi-square tests defined and performed, only a small number did not yield a statistical significant result. These cases are presented in table 2.

Table 2: Breakdown of AHM2013 frequencies by socioeconomic indicators – list of no statistical significant results by country, AHM2013 item and socioeconomic indicator

Country	AHM2013 item	Socioeconomic indicator	Test value	df	Sig. level
IS	PW040	Degree of Urbanisation	3.0	2	0.221
DK	PW170	At risk of poverty	0.9	1	0.337
PT	PW170	Sex	3.8	1	0.052
BG	PW180	Sex	1.3	1	0.257
LT	PW180	Sex	2.4	1	0.121
ME	PW180	Sex	0.2	1	0.647
ME	PW180	Country of Birth	1.2	2	0.554
MT	PW200	Sex	4.5	2	0.105

In order to further investigate the statistically significant differences in a compact and direct way, a comparison base was defined for each of the module items. This comparison base was selected to reflect a positive result (high satisfaction or trust level, happiness, lack of unhappiness, safety etc.) for each item and the scope of the comparison was to identify the category (or categories) by socioeconomic indicator that is (are) associated to this positive result more often⁷ than other categories of the same indicator. A set of interesting findings is presented in table 3.

In particular, Females tend to score highly in satisfaction and trust items⁸ and also respond positively to items PW170 and PW180 more frequently than Males, while Males tend to answer more frequently “all of the time” in positive emotional evaluation items (PW070, PW090), “none of the time” in negative emotional evaluation items (PW050, PW060 and PW080) and “Very safe” in safety item PW220.

As far as the age group of the respondents is concerned, those of age between 16 and 24 or 65 and more tend to score highly in satisfaction and trust items, respond positively to items PW170 and PW180, “all of the time” in positive emotional evaluation items, “none of the time” in negative emotional evaluation items and “Very safe” in safety item PW220, more frequent than those belonging in the intermediate age groups (ages 25-64). It is also evident that age group 65 + dominates the job-related satisfaction items PW100 and PW110, whereas age group 16-24 dominates the dichotomous yes / no items PW170 and PW180 and the Overall Life Satisfaction item (PW010).

A similar pattern is apparent when people who are not at risk of poverty are compared to those who are, with the exception of the Safety item PW220. *The fact that being at risk of poverty is strongly related to smaller satisfaction, less happiness and trust etc. is an important finding in the frame of data validation.*

⁷ With greater frequency in terms of respondents share, and for more participating countries

⁸ “Highly satisfied” and “Highly trust” correspond to the 3rd group of table 1 for these items

The fact that the safety item PW220 is not as clearly related to being at risk of poverty might spur further research.

Accordingly, *experiencing severe material deprivation appears to be strongly related to smaller satisfaction, less happiness and trust, less healthy interpersonal relationships and even less safety.*

The degree of urbanisation (DEGURBA) has a more complex connection to the module items, as for the majority of them there is more than one dominant DEGURBA category, with the exception of items PW200: Satisfaction with recreational or green areas and PW220: Physical security for which thinly populated rural areas are the dominant category, as was probably expected. Residents in densely populated areas appear to trust highly the political system more commonly than residents in other areas.

Similarly, for most module items no dominant country of birth category is identified. The most interesting findings are related to the fact that people born in other countries (EU28 or non-EU28) tend to declare they trust highly the institutions (political and legal system, and the police), more often than people born in the country of reference while the latter tend to give more positive answers in yes / no items PW170 and PW180.

Table 3: Validation of the relation between 2013 AHM items and selected socioeconomic indicators - most frequent indicator categories under set comparison bases (External Consistency)

AHM13 item	Comparison basis	Socioeconomic Indicator											
		Sex		Age group		At risk of poverty (thr=60% of median) [1]		Severe material deprivation [2]		Degree of urbanisation [3]		Country of birth	
		Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries
PW010: Overall life satisfaction	% of value = 9 - 10 (Highly Satisfied)	Females	21	16 - 24	26	Not at risk of poverty	33	Not severely material deprived	33	Thinly populated	12	National	19
				Densely populated						11	Other EU countries	11	
				Intermediate						9			
PW020: Meaning of life	% of value = 9 - 10 (Highly Satisfied)	Females	32	16 - 24	17	Not at risk of poverty	29	Not severely material deprived	33	Thinly populated	15	Other EU countries	12
				65 +						10	Other non - EU countries	11	
											National	10	
PW030: Satisfaction with financial situation	% of value = 9 - 10 (Highly Satisfied)	Females	19	16 - 24	19	Not at risk of poverty	33	Not severely material deprived	33	Densely populated	17	National	20
		Males	14	65 +	13					Thinly populated	8	Other EU countries	9
										Intermediate	7		
PW040: Satisfaction with accommodation	% of value = 9 - 10 (Highly Satisfied)	Females	31	65 +	18	Not at risk of poverty	33	Not severely material deprived	33	Intermediate	15	National	21
				16 - 24	14					Thinly populated	14	Other EU countries	8
PW050: Being very nervous	% of value = 5 (None of the time)	Males	29	65 +	18	Not at risk of poverty	29	Not severely material deprived	31	Thinly populated	14	National	15
				16 - 24	14					Densely populated	9	Other non - EU countries	9
										Intermediate	9	Other EU countries	9
PW060: Feeling down in the dumps	% of value = 5 (None of the time)	Males	32	16 - 24	23	Not at risk of poverty	33	Not severely material deprived	33	Densely populated	14	National	18
				65 +	7					Intermediate	10	Other EU countries	13
										Thinly populated	8		
PW070: Feeling calm and peaceful	% of value = 1 (All of the time)	Males	32	16 - 24	17	Not at risk of poverty	28	Not severely material deprived	31	Intermediate	12	Other EU countries	16
				65 +	16					Densely populated	11	National	10
										Thinly populated	9		
PW080: Feeling downhearted or depressed	% of value = 5 (None of the time)	Males	33	16 - 24	25	Not at risk of poverty	32	Not severely material deprived	33	Thinly populated	14	National	16
				65 +	8					Densely populated	9	Other EU countries	11
										Intermediate	9		
PW090: Being happy	% of value = 1 (All of the time)	Males	27	16 - 24	23	Not at risk of poverty	30	Not severely material deprived	33	Intermediate	13	Other EU countries	17
				65 +	10					Thinly populated	12	National	10
										Densely populated	7		
PW100: Job satisfaction	% of value = 9 - 10 (Highly Satisfied)	Females	26	65 +	28	Not at risk of poverty	24	Not severely material deprived	28	Intermediate	15	Other EU countries	14
										Thinly populated	11	National	11
PW110: Satisfaction with commuting	% of value = 9 - 10 (Highly Satisfied)	Females	32	65 +	23	Not at risk of poverty	22	Not severely material	30	Intermediate	14	National	15
										Thinly populated	10	Other EU countries	13

Table 3: Validation of the relation between 2013 AHM items and selected socioeconomic indicators - most frequent indicator categories under set comparison bases (External Consistency)

AHM13 item	Comparison basis	Socioeconomic Indicator											
		Sex		Age group		At risk of poverty (thr=60% of median) [1]		Severe material deprivation [2]		Degree of urbanisation [3]		Country of birth	
		Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries
time								deprived		Densely populated	8		
PW120: Satisfaction with time use	% of value = 9 - 10 (Highly Satisfied)	Females	15	65 + 16 - 24	23 10	Not at risk of poverty	24	Not severely material deprived	32	Intermediate Thinly populated	15 11	National Other EU countries	17 13
PW130: Trust in the political system	% of value = 6 - 10 (Highly Trust)	Females	14	16 - 24 65 +	23 7	Not at risk of poverty	33	Not severely material deprived	33	Densely populated	23	Other non - EU countries Other EU countries	21 9
PW140: Trust in the legal system	% of value = 7 - 10 (Highly Trust)	Females Males	16 17	16 - 24 25 - 49 65 +	17 7 7	Not at risk of poverty	30	Not severely material deprived	32	Densely populated Intermediate	19 7	Other non - EU countries Other EU countries	21 10
PW150: Trust in the police	% of value = 8 - 10 (Highly Trust)	Females	25	65 +	25	Not at risk of poverty	26	Not severely material deprived	30	Intermediate Densely populated Thinly populated	12 11 8	Other non - EU countries Other EU countries	19 9
PW160: Satisfaction with personal relationships	% of value = 9 - 10 (Highly Satisfied)	Females	27	16 - 24 65 +	20 10	Not at risk of poverty	31	Not severely material deprived	33	Intermediate Thinly populated	14 12	National Other EU countries	13 11
PW170: Personal matters (anyone to discuss with)	% of value = 1 (Yes)	Females	29	16 - 24	32	Not at risk of poverty	32	Not severely material deprived	33	Densely populated Intermediate	15 12	National Other EU countries	22 7
PW180: Help from others	% of value = 1 (Yes)	Females	29	16 - 24	31	Not at risk of poverty	31	Not severely material deprived	33	Thinly populated Densely populated Intermediate	18 7 7	National Other EU countries	23 7
PW190: Trust in others	% of value = 8 - 10 (Highly Trust)	Females	26	16 - 24 65 +	17 12	Not at risk of poverty	33	Not severely material deprived	33	Densely populated Thinly populated	19 8	National Other EU countries	13 12
PW200: Satisfaction with recreational or green areas	% of value = 9 - 10 (Highly Satisfied)	Females	23	65 + 16 - 24	20 9	Not at risk of poverty	25	Not severely material deprived	32	Thinly populated	24	National Other EU countries	15 13
PW210: Satisfaction with living	% of value = 9 - 10 (Highly Satisfied)	Females	28	65 +	17	Not at risk of poverty	27	Not severely material	30	Thinly populated	15	Other non - EU countries	13

Table 3: Validation of the relation between 2013 AHM items and selected socioeconomic indicators - most frequent indicator categories under set comparison bases (External Consistency)

AHM13 item	Comparison basis	Socioeconomic Indicator													
		Sex		Age group		At risk of poverty (thr=60% of median) [1]		Severe material deprivation [2]		Degree of urbanisation [3]		Country of birth			
		Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries	Highest %	No of countries		
environment				16 - 24	14			deprived		Densely populated	12	National	12	Other EU countries	8
PW220: Physical security	% of value = 1 (Very Safe)	Males	32	16 - 24	21	Not at risk of poverty	19	Not severely material deprived	31	Thinly populated	30	National	15	Other EU countries	12
				25 - 49	10	At risk of poverty	14								

[1]: The at-risk-of-poverty persons are the individuals living in households where equivalised disposable income is below the threshold of 60% of the national equivalised median income.

[2]: The severely materially deprived persons are the people with an enforced lack of at least four out of nine material deprivation items in the 'economic strain and durables' dimension. The materially deprived persons are the people with an enforced lack of at least three out of nine material deprivation items in the 'economic strain and durables' dimension. The nine items considered are: 1) arrears on mortgage or rent payments, utility bills, hire purchase instalments or other loan payments; 2) capacity to afford paying for one week's annual holiday away from home; 3) capacity to afford a meal with meat, chicken, fish (or vegetarian equivalent) every second day; 4) capacity to face unexpected financial expenses [set amount corresponding to the monthly national at-risk-of-poverty threshold of the previous year]; 5) household cannot afford a telephone (including mobile phone); 6) household cannot afford a colour TV; 7) household cannot afford a washing machine; 8) household cannot afford a car and 9) ability of the household to pay for keeping its home adequately warm.

[3] Densely-populated area: This is a contiguous set of local areas, each of which has a density superior to 500 inhabitants per square kilometre, where the total population for the set is at least 50 000 inhabitants.

Intermediate area: This is a contiguous set of local areas, not belonging to a densely-populated area, each of which has a density superior to 100 inhabitants per square kilometre, and either with a total population for the set of at least 50 000 inhabitants or adjacent to a densely-populated area. Thinly-populated area: This is a contiguous set of local areas belonging neither to a densely-populated nor to an intermediate area. Information on degree of urbanisation is not available for ME, no intermediate areas defined for IS.

2.2 Breakdowns of “filled” values by PW010 classification

The validation of the internal consistency of the module microdata involves the identification and study of strong relations among the module items, and in particular between items PW010: Overall Life Satisfaction and the rest of the module items. In order to identify and assess the latter relation, chi-square tests were performed on modules PW020-PW220⁹ against the grouped PW010 item. The comparison bases are identical to those used for the study of the external consistency of the items to the socioeconomic indicators.

The chi-square tests concluded that *all other module items are statistically significantly related to the Overall Life Satisfaction and that in fact all positive scores by item are almost exclusively related to high Overall Life Satisfaction rating (answers 9 and 10 to item PW010)*. Very few exceptions are noted in table 4 and all of them involve the intermediate OLS group as the dominant one. These findings are very crucial as a first step of internal cross-variable validation.

Table 4: Validation of the relation between item PW010: Overall Life Satisfaction and the rest of the module items (Internal Consistency)

AHM13 item	Comparison basis	Overall Life Satisfaction (OLS)		
		Highest %	No of countries	Note
PW020: Meaning of life	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW030: Satisfaction with financial situation	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW040: Satisfaction with accommodation	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW050: Being very nervous	% of value = 5 (None of the time)	OLS = 9 - 10	33	-
PW060: Feeling down in the dumps	% of value = 5 (None of the time)	OLS = 9 - 10	33	-
PW070: Feeling calm and peaceful	% of value = 1 (All of the time)	OLS = 9 - 10	33	-
PW080: Feeling downhearted or depressed	% of value = 5 (None of the time)	OLS = 9 - 10	33	-
PW090: Being happy	% of value = 1 (All of the time)	OLS = 9 - 10	33	-
PW100: Job satisfaction	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW110: Satisfaction with commuting time	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW120: Satisfaction with time use	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW130: Trust in the political system	% of value = 6 - 10 (Highly Trust)	OLS = 9 - 10	32	For Italy: OLS = 6 - 8
PW140: Trust in the legal system	% of value = 7 - 10 (Highly Trust)	OLS = 9 - 10	33	
PW150: Trust in the police	% of value = 8 - 10 (Highly Trust)	OLS = 9 - 10	32	Item no responded by

⁹ For the construction of the chi-square tests, all groupings included in table 1 were applied.

Table 4: Validation of the relation between item PW010: Overall Life Satisfaction and the rest of the module items (Internal Consistency)

AHM13 item	Comparison basis	Overall Life Satisfaction (OLS)		
		Highest %	No of countries	Note
	Trust)			Croatia
PW160: Satisfaction with personal relationships	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW170: Personal matters (anyone to discuss with)	% of value = 1 (Yes)	OLS = 9 - 10	29	For Greece, Serbia, Croatia and Montenegro: OLS = 6 - 8
PW180: Help from others	% of value = 1 (Yes)	OLS = 9 - 10	31	For Greece and Serbia: OLS = 6 - 8
PW190: Trust in others	% of value = 8 - 10 (Highly Trust)	OLS = 9 - 10	33	-
PW200: Satisfaction with recreational or green areas	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW210: Satisfaction with living environment	% of value = 9 - 10 (Highly Satisfied)	OLS = 9 - 10	33	-
PW220: Physical security	% of value = 1 (Very Safe)	OLS = 9 - 10	31	For Cyprus: OLS = 6 - 8, Item no responded by Croatia

2.3 AHM2013 Items correlation

The second step of the internal validation of the module items involves the study and assessment of the Pearson correlation coefficient between pairs of module items. Table 5 is the correlation matrix of the items at EU-28 level¹⁰. Three major findings are valuable from the data validation point of view:

- 1) The maximum correlation of a given satisfaction item is in all cases to another satisfaction item, while the same applies for trust items and emotional evaluation items PW050-PW090 (happiness / unhappiness)
- 2) The correlation coefficient has a positive value for all the pairs that do not involve items PW070, PW090 and PW220, which are the only items that the smaller value has the most positive meaning (happy or calm/peaceful = 1 “All of the time” or safety = 1 “Very safe”). The coefficient also has negative values for all the pairs that involve exactly one of those three items.
- 3) The correlation coefficient has an absolute value of quite less than 0.8 for all pairs. A higher value would potentially indicate that a great share of the respondents provided very close values for at least two items, which would also be a potential error source.

¹⁰ PW170 and PW180 were excluded from the study as the Pearson correlation coefficient does not apply for dichotomous items.

Table 5: Pearson correlation coefficient of the EU-SILC AHM 2013 items at EU-28 level

Items [1]	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security	Most highly correlated item (in absolute values)	Maximum correlation absolute value
PW010: Overall life satisfaction	1.000	0.560	0.634	0.497	0.328	0.411	-0.378	0.393	-0.493	0.472	0.271	0.379	0.275	0.304	0.302	0.466	0.348	0.355	0.370	-0.167	PW030: Satisfaction with financial situation	0.634
PW020: Meaning of life	0.560	1.000	0.401	0.413	0.231	0.320	-0.300	0.310	-0.396	0.441	0.282	0.332	0.165	0.196	0.244	0.471	0.294	0.332	0.354	-0.127	PW010: Overall life satisfaction	0.560
PW030: Satisfaction with financial situation	0.634	0.401	1.000	0.478	0.269	0.322	-0.312	0.296	-0.383	0.421	0.250	0.342	0.364	0.362	0.319	0.328	0.334	0.340	0.345	-0.153	PW010: Overall life satisfaction	0.634
PW040: Satisfaction with accommodation	0.497	0.413	0.478	1.000	0.189	0.225	-0.231	0.210	-0.292	0.390	0.268	0.384	0.172	0.206	0.256	0.445	0.239	0.403	0.423	-0.137	PW010: Overall life satisfaction	0.497
PW050: Being very nervous	0.328	0.231	0.269	0.189	1.000	0.555	-0.513	0.501	-0.371	0.218	0.102	0.238	0.174	0.200	0.168	0.208	0.227	0.160	0.158	-0.138	PW060: Feeling down in the dumps	0.555
PW060: Feeling down in the dumps	0.411	0.320	0.322	0.225	0.555	1.000	-0.478	0.655	-0.450	0.240	0.126	0.215	0.160	0.190	0.174	0.260	0.242	0.190	0.180	-0.169	PW080: Feeling downhearted or depressed	0.655
PW070: Feeling calm and peaceful	-0.378	-0.300	-0.312	-0.231	-0.513	-0.478	1.000	-0.440	0.559	-0.257	-0.136	-0.265	-0.195	-0.191	-0.178	-0.268	-0.234	-0.201	-0.199	0.147	PW090: Being happy	0.559
PW080: Feeling downhearted or depressed	0.393	0.310	0.296	0.210	0.501	0.655	-0.440	1.000	-0.451	0.237	0.106	0.210	0.138	0.157	0.144	0.252	0.228	0.173	0.168	-0.170	PW060: Feeling down in the dumps	0.655
PW090: Being happy	-0.493	-0.396	-0.383	-0.292	-0.371	-0.450	0.559	-0.451	1.000	-0.295	-0.164	-0.254	-0.173	-0.179	-0.189	-0.342	-0.248	-0.219	-0.237	0.174	PW070: Feeling calm and peaceful	0.559
PW100: Job satisfaction	0.472	0.441	0.421	0.390	0.218	0.240	-0.257	0.237	-0.295	1.000	0.369	0.344	0.203	0.219	0.241	0.362	0.234	0.274	0.284	-0.110	PW010: Overall life satisfaction	0.472
PW110: Satisfaction with commuting time	0.271	0.282	0.250	0.268	0.102	0.126	-0.136	0.106	-0.164	0.369	1.000	0.310	0.116	0.148	0.179	0.278	0.158	0.252	0.277	-0.077	PW100: Job satisfaction	0.369

Table 5: Pearson correlation coefficient of the EU-SILC AHM 2013 items at EU-28 level

Items [1]	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security	Most highly correlated item (in absolute values)	Maximum correlation absolute value
PW120: Satisfaction with time use	0.379	0.332	0.342	0.384	0.238	0.215	-0.265	0.210	-0.254	0.344	0.310	1.000	0.165	0.183	0.217	0.434	0.223	0.340	0.327	-0.081	PW160: Satisfaction with personal relationships	0.434
PW130: Trust in the political system	0.275	0.165	0.364	0.172	0.174	0.160	-0.195	0.138	-0.173	0.203	0.116	0.165	1.000	0.711	0.473	0.129	0.330	0.216	0.200	-0.100	PW140: Trust in the legal system	0.711
PW140: Trust in the legal system	0.304	0.196	0.362	0.206	0.200	0.190	-0.191	0.157	-0.179	0.219	0.148	0.183	0.711	1.000	0.660	0.174	0.359	0.244	0.228	-0.116	PW130: Trust in the political system	0.711
PW150: Trust in the police	0.302	0.244	0.319	0.256	0.168	0.174	-0.178	0.144	-0.189	0.241	0.179	0.217	0.473	0.660	1.000	0.239	0.356	0.265	0.259	-0.120	PW140: Trust in the legal system	0.660
PW160: Satisfaction with personal relationships	0.466	0.471	0.328	0.445	0.208	0.260	-0.268	0.252	-0.342	0.362	0.278	0.434	0.129	0.174	0.239	1.000	0.266	0.389	0.394	-0.122	PW020: Meaning of life	0.471
PW190: Trust in others	0.348	0.294	0.334	0.239	0.227	0.242	-0.234	0.228	-0.248	0.234	0.158	0.223	0.330	0.359	0.356	0.266	1.000	0.262	0.248	-0.174	PW140: Trust in the legal system	0.359
PW200: Satisfaction with recreational or green areas	0.355	0.332	0.340	0.403	0.160	0.190	-0.201	0.173	-0.219	0.274	0.252	0.340	0.216	0.244	0.265	0.389	0.262	1.000	0.656	-0.202	PW210: Satisfaction with living environment	0.656
PW210: Satisfaction with living environment	0.370	0.354	0.345	0.423	0.158	0.180	-0.199	0.168	-0.237	0.284	0.277	0.327	0.200	0.228	0.259	0.394	0.248	0.656	1.000	-0.188	PW200: Satisfaction with recreational or green areas	0.656
PW220: Physical security	-0.167	-0.127	-0.153	-0.137	-0.138	-0.169	0.147	-0.170	0.174	-0.110	-0.077	-0.081	-0.100	-0.116	-0.120	-0.122	-0.174	-0.202	-0.188	1.000	PW200: Satisfaction with recreational or green areas	0.202

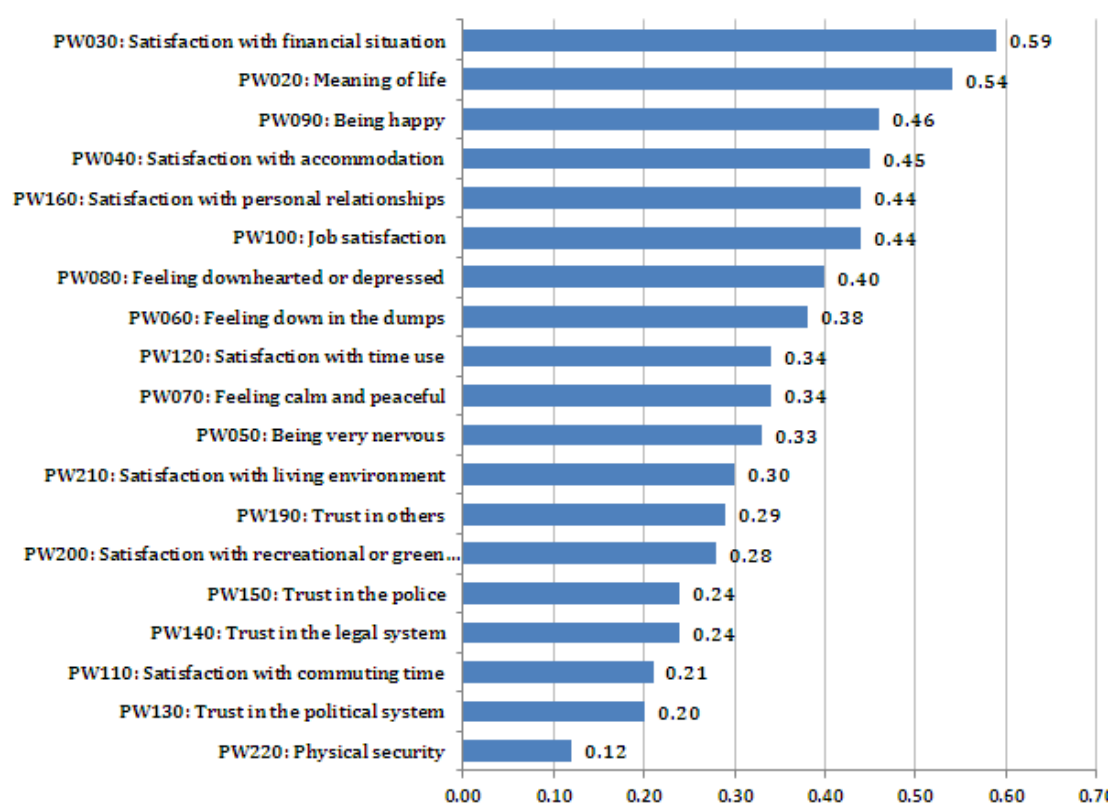
[1]: PW170 and PW180 were excluded from the study as the Pearson correlation coefficient does not apply for dichotomous items

2.3.1 Correlation between PW010: Overall Life Satisfaction and other EU-SILC AHM 2013 items at country level

Figure 1 presents the central tendency¹¹ of the correlation of the rest of the module variables to Overall Life Satisfaction. It is apparent that *life satisfaction is generally more strongly correlated to someone's financial situation and job satisfaction, the meaning of life and his happiness frequency than the level of his trust in the institutions*. Naturally, differences among countries are expected.

Table 6 provides more detailed statistics on the correlation of module items to overall life satisfaction at country level. The findings noted at EU-28 level are also apparent at country level, while *the physical security item PW220 is the only item that is comparably uncorrelated to overall life satisfaction*. This might be an indication that the correlation between these two items is not linear.

Figure 1: Linear correlation of Overall Life Satisfaction vs other EU-SILC AHM2013 items (median of the absolute values for the participating countries)



[1]: PW170 and PW180 were excluded (dichotomous items), ME data were not taken into account

¹¹ The median of absolute values of the national correlation coefficients was considered as a measure.

Table 6: AHM2013 items correlation to Overall Life Satisfaction (PW010) statistics

Items [1]	Statistics					Country list per correlation quartile					
	min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW020: Meaning of life	0.39	0.47	0.54	0.58	0.74	FR	MT, LU, EE, AT, RS, NL, CH	PL, PT, SI, FI, CY, NO, IS, CZ	LV, BE, HU, ES, DE, SE, UK, BG	SK, DK, LT, IT, HR, IE, RO	EL
PW030: Satisfaction with financial situation	0.43	0.52	0.59	0.63	0.74	IS	CH, NO, FI, SE, IE, MT, CZ	DK, NL, BE, ES, PL, AT, UK, IT	PT, EL, LU, FR, DE, SK, SI, HR	EE, RO, LV, CY, HU, BG, LT	RS
PW040: Satisfaction with accommodation	0.35	0.41	0.45	0.48	0.58	IS	NO, NL, CH, PT, CY, FI, IE	MT, SE, AT, SK, CZ, LV, FR, DK	UK, LT, LU, BE, SI, EE, PL, IT	BG, HU, ES, HR, EL, DE, RS	RO
PW050: Being very nervous	0.24	0.28	0.33	0.37	0.42	NO	BE, MT, NL, FR, ES, IT, CH	SI, AT, IS, LU, PL, EE, RO, UK	DE, SK, LT, PT, DK, IE, CZ, RS	BG, LV, SE, FI, HR, HU, EL	CY
PW060: Feeling down in the dumps	0.32	0.35	0.38	0.43	0.49	SI	CH, NO, MT, SE, RS, EE, PL	IT, FI, NL, LT, SK, BE, AT, IS	LU, FR, ES, LV, DK, RO, CZ, PT	HR, DE, CY, UK, EL, IE, HU	BG
PW070: Feeling calm and peaceful	-0.48	-0.4	-0.34	-0.31	-0.28	CY	IE, HU, SK, CZ, SE, HR, DK	UK, NO, IT, FI, DE, PT, BG, SI	LV, RS, EL, RO, EE, FR, ES, CH	MT, AT, BE, LU, IS, NL, PL	LT
PW080: Feeling downhearted or depressed	0.28	0.37	0.4	0.42	0.49	SI	RS, EE, PL, LV, MT, CH, LT	FR, SK, HR, BE, NL, AT, LU, CZ	RO, SE, FI, IT, ES, NO, IS, PT	BG, DE, EL, DK, HU, UK, IE	CY
PW090: Being happy	-0.52	-0.48	-0.46	-0.43	-0.37	SE	IE, DE, UK, HU, CY, LV, FI	LU, BE, SK, DK, PT, LT, FR, PL	ES, NO, EE, CZ, IT, HR, AT, NL	RS, SI, IS, EL, BG, CH, MT	RO
PW100: Job satisfaction	0.35	0.4	0.44	0.5	0.57	NO	MT, PT, IS, FR, BE, NL, FI	LU, UK, SE, IE, CH, EE, PL, CY	AT, LV, IT, CZ, SI, DK, DE, ES	SK, EL, HU, LT, HR, RS, RO	BG
PW110: Satisfaction with commuting time	0.14	0.18	0.21	0.27	0.44	NO	FI, SE, MT, CY, NL, EE, BE	FR, IS, DK, LV, DE, ES, CH, IE	PT, AT, PL, UK, CZ, LU, LT, IT	SK, SI, EL, HU, RS, HR, BG	RO
PW120: Satisfaction with time use	0.18	0.31	0.34	0.39	0.55	MT	FI, IS, CY, CZ, FR, NO, CH	EE, ES, PT, AT, SI, SK, PL, LU	SE, HR, BE, BG, RS, DE, DK, LT	IE, IT, UK, HU, LV, NL, EL	RO
PW130: Trust in the political system	0.1	0.16	0.2	0.26	0.35	IT	ES, IS, MT, SI, CH, AT, NO	PT, BE, FR, CY, LU, IE, NL, DK	SE, UK, PL, RS, SK, HR, EL, FI	CZ, RO, EE, LT, BG, HU, DE	LV
PW140: Trust in the legal system	0.16	0.19	0.24	0.29	0.34	IT	ES, CH, BE, PT, MT, NO, SI	AT, IS, FR, IE, NL, LU, UK, DK	PL, CY, FI, SE, RS, SK, CZ, HR	LT, EL, RO, EE, DE, HU, LV	BG
PW150: Trust in the police	0.17	0.2	0.24	0.26	0.34	PT	MT, SI, ES, CH, AT, LU, FR	BE, NO, UK, IT, PL, NL, RS, SE	CY, SK, FI, IS, DK, IE, EL, CZ	LT, EE, LV, HU, RO, DE	BG
PW160: Satisfaction with personal relationships	0.23	0.38	0.44	0.47	0.59	RS	SI, LV, CY, LT, MT, CH, CZ	PT, FR, AT, LU, HR, HU, BE, IT	EE, PL, NO, IE, FI, DK, UK, SK	IS, ES, DE, SE, NL, EL, BG	RO
PW190: Trust in others	0.21	0.26	0.29	0.34	0.4	CH	MT, FR, CY, NL, UK, NO, AT	ES, EE, BE, PT, IS, LU, SI, IE	FI, RS, IT, DK, PL, EL, SE, HU	LT, DE, CZ, HR, SK, LV, RO	BG
PW200: Satisfaction with recreational or green areas	0.17	0.25	0.28	0.31	0.39	MT	CY, PT, IS, EE, LV, SI, SK	LT, CZ, NO, ES, FI, CH, RS, FR	EL, NL, HR, PL, AT, SE, IT, IE	BE, UK, HU, LU, DK, RO, DE	BG
PW210: Satisfaction with living environment	0.15	0.25	0.3	0.34	0.47	CY	MT, CH, FI, PT, LT, SE, LV	SI, DK, SK, RS, IS, PL, IT, LU	CZ, EL, HR, AT, RO, NO, NL, ES	HU, EE, IE, DE, UK, BE, FR	BG
PW220: Physical security	-0.18	-0.15	-0.12	-0.1	-0.03	DE	LV, RO, CZ, HU, EE, BG, BE	PL, SK, LT, UK, MT, AT, IT, FR	PT, FI, ES, SE, DK, NL, SI, IS	RS, IE, LU, NO, CH, EL	CY

[1]: PW170 and PW180 were excluded from the study as the Pearson correlation coefficient does not apply for dichotomous items. ME data were not taken into account.

2.3.2 Satisfaction items correlation at country level

Expanding the study of the items correlations to the set of the satisfaction items it is evident that:

- There is a measurable positive linear correlation among any pair of satisfaction items
- The maximum value of the coefficient for each pair except the one that includes items PW200 (*Satisfaction with recreational or green areas*) and PW210 (*Satisfaction with living environment*) is smaller than 0.8
- Romania and Bulgaria are associated to most of the maximum values

The first two findings validate the dual logical assumption that the satisfaction items examined in the frame of the module are expected to be positively correlated yet not strongly enough to establish a simple prediction model for all countries that would enable the calculation of one of these items by using the values of another.

2.3.3 Emotional evaluation items correlation and trust items correlation at country level

The correlation between pairs of emotional evaluation items depends, as expected from experience, on the positive (happiness, peace, calmness etc.) or negative (nervousness, depression etc.) notion of the items involved. The correlation between a pair of items that both have either a positive or a negative notion is positive in all cases, whereas the correlation between a positive-notion item and a negative-notion item is negative in all cases.

Trust items are generally more strongly correlated than satisfaction items or emotional evaluation items, but the same findings apply for them as well.

Table 7: AHM2013 Satisfaction items correlation statistics

Satisfaction items		Statistics					Country list per correlation quartile					
		min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW010: Overall life satisfaction	PW020: Meaning of life	0.39	0.47	0.54	0.58	0.74	FR	MT, LU, EE, AT, RS, NL, CH	PL, PT, SI, FI, CY, NO, IS, CZ	LV, BE, HU, ES, DE, SE, UK, BG	SK, DK, LT, IT, HR, IE, RO	EL
PW010: Overall life satisfaction	PW030: Satisfaction with financial situation	0.43	0.52	0.59	0.63	0.74	IS	CH, NO, FI, SE, IE, MT, CZ	DK, NL, BE, ES, PL, AT, UK, IT	PT, EL, LU, FR, DE, SK, SI, HR	EE, RO, LV, CY, HU, BG, LT	RS
PW010: Overall life satisfaction	PW040: Satisfaction with accommodation	0.35	0.41	0.45	0.48	0.58	IS	NO, NL, CH, PT, CY, FI, IE	MT, SE, AT, SK, CZ, LV, FR, DK	UK, LT, LU, BE, SI, EE, PL, IT	BG, HU, ES, HR, EL, DE, RO	RS
PW010: Overall life satisfaction	PW100: Job satisfaction	0.35	0.4	0.44	0.5	0.57	NO	MT, PT, IS, FR, BE, NL, FI	LU, UK, SE, IE, CH, EE, PL, CY	AT, LV, IT, CZ, SI, DK, DE, ES	SK, EL, HU, LT, HR, RS, RO	BG
PW010: Overall life satisfaction	PW110: Satisfaction with commuting time	0.14	0.18	0.21	0.27	0.44	NO	FI, SE, MT, CY, NL, EE, BE	FR, IS, DK, LV, DE, ES, CH, IE	PT, AT, PL, UK, CZ, LU, LT, IT	SK, SI, EL, HU, RS, HR, BG	RO
PW010: Overall life satisfaction	PW120: Satisfaction with time use	0.18	0.31	0.34	0.39	0.55	MT	FI, IS, CY, CZ, FR, NO, CH	EE, ES, PT, AT, SI, SK, PL, LU	SE, HR, BE, BG, RS, DE, DK, LT	IE, IT, UK, HU, LV, NL, EL	RO
PW010: Overall life satisfaction	PW160: Satisfaction with personal relationships	0.23	0.38	0.44	0.47	0.59	RS	SI, LV, CY, LT, MT, CH, CZ	PT, FR, AT, LU, HR, HU, BE, IT	EE, PL, NO, IE, FI, DK, UK, SK	IS, ES, DE, SE, NL, EL, BG	RO
PW010: Overall life satisfaction	PW200: Satisfaction with recreational or green areas	0.17	0.25	0.28	0.31	0.39	MT	CY, PT, IS, EE, LV, SI, SK	LT, CZ, NO, ES, FI, CH, RS, FR	EL, NL, HR, PL, AT, SE, IT, IE	BE, UK, HU, LU, DK, RO, DE	BG
PW010: Overall life satisfaction	PW210: Satisfaction with living environment	0.15	0.25	0.3	0.34	0.47	CY	MT, CH, FI, PT, LT, SE, LV	SI, DK, SK, RS, IS, PL, IT, LU	CZ, EL, HR, AT, RO, NO, NL, ES	HU, EE, IE, DE, UK, BE, FR	BG
PW020: Meaning of life	PW030: Satisfaction with financial situation	0.24	0.3	0.36	0.42	0.59	IS	MT, FR, CH, EE, PT, NL, AT	LU, ES, SI, PL, FI, BE, SE, NO	IE, RS, UK, DE, IT, BG, DK, HU	SK, CZ, LV, CY, EL, HR, LT	RO
PW020: Meaning of life	PW040: Satisfaction with accommodation	0.28	0.33	0.36	0.41	0.55	NL	FR, CH, IS, EE, NO, AT, SE	PT, LU, FI, PL, LV, MT, SI, BE	LT, CY, ES, CZ, RS, IE, UK, DK	DE, SK, HU, IT, BG, EL, HR	RO
PW020: Meaning of life	PW100: Job satisfaction	0.3	0.37	0.41	0.45	0.59	BE	EE, FR, PT, NL, IS, LU, SI	MT, UK, IT, FI, IE, ES, RS, NO	SE, CY, CH, AT, PL, DK, LV, CZ	LT, DE, EL, SK, HR, BG, HU	RO
PW020: Meaning of life	PW110: Satisfaction with commuting time	0.16	0.2	0.24	0.29	0.45	IS	FI, FR, NL, SE, EE, MT, BE	NO, LU, AT, SI, IE, CH, DE, PT	DK, CY, UK, CZ, LT, RS, PL, ES	LV, IT, EL, SK, HR, HU, BG	RO
PW020: Meaning of life	PW120: Satisfaction with time use	0.07	0.24	0.29	0.35	0.6	MT	FR, CH, IS, AT, CY, PL, EE	ES, NO, SI, BE, PT, CZ, FI, RS	LU, SE, DE, BG, SK, IE, UK, HR	IT, LT, DK, NL, HU, LV, EL	RO
PW020: Meaning of life	PW160: Satisfaction with personal relationships	0.3	0.4	0.44	0.47	0.61	CH	SI, RS, FR, AT, CY, PL, EE	LT, MT, BE, IS, NO, LU, FI, CZ	PT, NL, UK, IE, SE, ES, DE, DK	HR, LV, SK, BG, HU, IT, RO	EL
PW020: Meaning of life	PW200: Satisfaction with recreational or green areas	0.14	0.25	0.31	0.33	0.41	MT	CY, PT, ES, RS, FR, NL, CH	IS, SI, EE, PL, LT, CZ, SK, BE	IE, BG, AT, SE, NO, IT, FI, HR	EL, UK, LU, LV, DK, DE, HU	RO
PW020: Meaning of life	PW210: Satisfaction with living environment	0.14	0.28	0.33	0.37	0.45	MT	CY, CH, PT, RS, PL, NL, FI	SE, SI, LT, ES, IS, DK, SK, CZ	FR, IT, AT, EE, LV, LU, NO, EL	RO, HR, IE, BG, DE, BE, HU	UK
PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	0.3	0.4	0.43	0.47	0.56	PT	BG, IE, CH, MT, NL, IS, IT	SI, CZ, EE, SK, CY, UK, FR, LV	NO, AT, FI, LT, EL, ES, HR, PL	SE, LU, BE, DK, DE, RO, HU	RS

Table 7: AHM2013 Satisfaction items correlation statistics

Satisfaction items		Statistics					Country list per correlation quartile					
		min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW030: Satisfaction with financial situation	PW100: Job satisfaction	0.26	0.3	0.37	0.46	0.62	FI	PT, NO, IS, CH, NL, BE, UK	DK, SE, MT, LU, FR, AT, IE, DE	IT, EE, SI, ES, CY, LV, HU, HR	CZ, PL, LT, SK, BG, RS, EL	RO
PW030: Satisfaction with financial situation	PW110: Satisfaction with commuting time	0.12	0.17	0.2	0.23	0.45	FI	NO, BE, IS, FR, AT, SE, IE	CH, UK, ES, DE, EE, PT, DK, CY	MT, NL, LV, SI, LU, LT, IT, EL	PL, SK, CZ, HU, HR, BG, RS	RO
PW030: Satisfaction with financial situation	PW120: Satisfaction with time use	0.19	0.26	0.3	0.35	0.52	BG	FI, MT, EE, FR, PT, CY, SI	CH, IS, ES, AT, CZ, HR, SK, NO	BE, PL, RS, DE, LT, LU, SE, DK	IE, IT, LV, NL, UK, HU, EL	RO
PW030: Satisfaction with financial situation	PW160: Satisfaction with personal relationships	0.16	0.25	0.31	0.32	0.45	SI	RS, PT, MT, LV, IE, CH, IS	FR, FI, AT, IT, ES, CY, UK, LT	PL, HR, HU, EE, DE, SK, LU, CZ	NO, DK, BE, SE, EL, BG, NL	RO
PW030: Satisfaction with financial situation	PW200: Satisfaction with recreational or green areas	0.16	0.22	0.26	0.29	0.36	CY	PT, MT, IS, SI, LV, LT, EE	FI, PL, SK, NO, RS, FR, CH, NL	ES, AT, IE, SE, EL, HR, CZ, UK	IT, BE, DE, DK, RO, BG, HU	LU
PW030: Satisfaction with financial situation	PW210: Satisfaction with living environment	0.16	0.23	0.28	0.32	0.43	CY	MT, CH, PT, LT, FI, IS, SE	SI, LV, DK, PL, RS, EL, SK, AT	LU, IT, IE, HR, ES, RO, CZ, NL	NO, EE, DE, UK, HU, FR, BG	BE
PW040: Satisfaction with accommodation	PW100: Job satisfaction	0.23	0.28	0.35	0.4	0.55	CH	NL, NO, IE, MT, SE, IS, FI	EE, UK, FR, BE, PL, LV, DK, LU	AT, DE, PT, IT, CY, CZ, SI, SK	LT, ES, RS, HR, EL, HU, BG	RO
PW040: Satisfaction with accommodation	PW110: Satisfaction with commuting time	0.12	0.18	0.22	0.29	0.42	MT	NO, SE, FI, CH, NL, FR, IS	EE, BE, UK, CY, DE, PT, ES, LV	AT, DK, CZ, IE, PL, LT, IT, SI	LU, SK, HU, EL, HR, RS, BG	RO
PW040: Satisfaction with accommodation	PW120: Satisfaction with time use	0.22	0.32	0.34	0.38	0.48	CY	FI, MT, CH, LT, FR, AT, IS	PT, BE, NL, ES, NO, CZ, SI, IE	LU, RS, DE, SE, IT, HR, DK, LV	EE, UK, HU, PL, SK, EL, RO	BG
PW040: Satisfaction with accommodation	PW160: Satisfaction with personal relationships	0.29	0.34	0.39	0.43	0.56	CH	RS, FI, NL, LV, SI, IS, FR	NO, AT, PT, LT, BE, CY, SE, DK	UK, EE, IE, LU, HU, DE, HR, CZ	MT, IT, PL, ES, SK, EL, BG	RO
PW040: Satisfaction with accommodation	PW200: Satisfaction with recreational or green areas	0.2	0.31	0.36	0.4	0.51	CY	MT, PT, RS, IS, NO, FI, LT	EE, HR, LV, SI, EL, ES, SK, UK	NL, CH, BE, RO, FR, IT, HU, CZ	AT, SE, PL, LU, DK, IE, DE	BG
PW040: Satisfaction with accommodation	PW210: Satisfaction with living environment	0.15	0.27	0.37	0.47	0.58	CY	CH, FI, MT, PT, IS, SI, DK	RS, IT, SE, LT, HR, LU, LV, EL	RO, EE, SK, PL, ES, CZ, AT, HU	UK, NO, BE, DE, FR, IE, BG	NL
PW100: Job satisfaction	PW110: Satisfaction with commuting time	0.15	0.26	0.3	0.41	0.67	NO	SE, FI, IS, MT, ES, BE, DK	CH, FR, NL, PT, EE, AT, DE, CY	IE, SI, IT, LU, UK, LV, CZ, PL	LT, EL, SK, HU, RS, HR, BG	RO
PW100: Job satisfaction	PW120: Satisfaction with time use	0.15	0.27	0.32	0.36	0.53	MT	FI, FR, IS, NO, SI, UK, BE	PT, SE, CY, CH, CZ, EE, PL, SK	IT, LU, IE, DK, AT, DE, ES, RS	LT, HR, HU, NL, BG, LV, EL	RO
PW100: Job satisfaction	PW160: Satisfaction with personal relationships	0.22	0.29	0.34	0.36	0.6	RS	UK, MT, IE, CY, FI, IS, FR	NL, EE, CZ, CH, PT, SE, BE, NO	PL, SI, AT, DE, DK, LT, ES, SK	LV, LU, IT, EL, HR, HU, RO	BG
PW100: Job satisfaction	PW200: Satisfaction with recreational or green areas	0.14	0.2	0.23	0.27	0.4	MT	CY, UK, FR, NL, BE, PT, FI	SE, CZ, NO, CH, IE, EL, EE, LV	SI, IS, ES, RS, PL, AT, LT, LU	DK, DE, SK, IT, HR, HU, BG	RO
PW100: Job satisfaction	PW210: Satisfaction with living environment	0.13	0.22	0.25	0.28	0.42	MT	CH, CY, SE, FI, IS, PT, DK	NL, EL, LV, IT, SI, IE, UK, CZ	NO, RS, PL, LU, EE, AT, BE, FR	LT, DE, SK, ES, HR, HU, RO	BG
PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	0.15	0.21	0.28	0.36	0.47	MT	NO, CH, ES, NL, EE, AT, CY	PL, FI, SK, BE, UK, IS, LU, CZ	PT, SI, SE, IE, FR, RS, IT, DE	DK, LT, LV, HR, HU, BG, EL	RO

Table 7: AHM2013 Satisfaction items correlation statistics

Satisfaction items		Statistics					Country list per correlation quartile					
		min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW110: Satisfaction with commuting time	PW160: Satisfaction with personal relationships	0.12	0.2	0.25	0.29	0.47	MT	FI, CY, NO, SE, CH, IS, UK	EE, IE, ES, NL, SI, FR, AT, CZ	PL, DK, LU, DE, BE, LV, SK, RS	PT, LT, IT, HU, EL, HR, RO	BG
PW110: Satisfaction with commuting time	PW200: Satisfaction with recreational or green areas	0.11	0.16	0.2	0.24	0.38	SE	MT, ES, EE, NL, CY, PT, IS	FI, FR, CH, UK, NO, BE, SI, CZ	PL, AT, SK, RS, IT, DE, LV, DK	IE, LT, EL, LU, HU, HR, BG	RO
PW110: Satisfaction with commuting time	PW210: Satisfaction with living environment	0.13	0.2	0.23	0.28	0.37	FI	MT, NL, NO, EE, IS, CH, ES	UK, FR, SE, BE, LV, CZ, AT, CY	SK, DE, PT, IE, PL, RS, DK, LU	EL, SI, IT, HU, RO, BG, LT	HR
PW120: Satisfaction with time use	PW160: Satisfaction with personal relationships	0.25	0.34	0.41	0.44	0.59	MT	IE, RS, CH, IS, SI, FI, UK	FR, CZ, EE, CY, HR, NO, ES, PT	NL, SK, LT, SE, IT, LU, BE, LV	AT, HU, DK, DE, PL, BG, EL	RO
PW120: Satisfaction with time use	PW200: Satisfaction with recreational or green areas	0.2	0.27	0.3	0.33	0.44	CH	CY, FR, PT, MT, IS, FI, ES	SI, NO, RS, NL, IE, EE, BE, UK	CZ, HR, AT, SE, LU, LT, LV, SK	DE, IT, DK, HU, PL, EL, RO	BG
PW120: Satisfaction with time use	PW210: Satisfaction with living environment	0.17	0.25	0.3	0.32	0.46	CH	CY, FI, SE, PT, MT, IS, SI	RS, AT, NL, LT, DK, FR, LV, CZ	ES, LU, HR, EE, NO, DE, IE, IT	SK, UK, BE, RO, HU, PL, EL	BG
PW160: Satisfaction with personal relationships	PW200: Satisfaction with recreational or green areas	0.22	0.3	0.34	0.39	0.47	CY	RS, MT, CH, NL, PT, IS, FR	UK, ES, IT, FI, NO, IE, EE, AT	SI, HR, SK, HU, LV, BE, SE, EL	CZ, DK, LT, LU, DE, RO, BG	PL
PW160: Satisfaction with personal relationships	PW210: Satisfaction with living environment	0.18	0.28	0.35	0.39	0.53	RS	FI, CH, CY, MT, SI, SE, PT	DK, IS, NL, LV, IT, AT, LT, SK	UK, EE, LU, HR, HU, FR, RO, ES	NO, CZ, DE, IE, EL, BE, PL	BG
PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	0.18	0.45	0.6	0.73	0.86	CH	SI, SE, DK, IT, NL, LU, FI	LT, CY, IS, MT, NO, PT, PL, HR	EE, BE, UK, IE, FR, RS, AT, ES	RO, HU, LV, DE, BG, CZ, SK	EL

Table 8: AHM2013 Emotional evaluation items correlation statistics

Evaluation items		Statistics					Country list per correlation quartile					
		min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW050: Being very nervous	PW060: Feeling down in the dumps	0.38	0.48	0.51	0.61	0.68	NO	SI, CH, IS, NL, PL, DK, BE	AT, SK, MT, FR, UK, IE, LU, SE	DE, FI, ES, EE, IT, RS, LT, CZ	HU, LV, BG, HR, PT, RO, CY	EL
PW050: Being very nervous	PW070: Feeling calm and peaceful	-0.7	-0.6	-0.5	-0.5	-0.3	PT	CY, LU, HU, FR, ES, LV, MT	BE, SE, IT, HR, RS, SI, AT, SK	EE, EL, DE, CZ, FI, NL, IS, LT	PL, UK, DK, RO, CH, IE, NO	BG
PW050: Being very nervous	PW080: Feeling downhearted or depressed	0.37	0.44	0.48	0.53	0.59	SI	MT, CH, NO, RS, LT, SK, FR	BE, PL, AT, LU, DE, EE, DK, IE	NL, IS, UK, CZ, LV, HR, ES, FI	BG, IT, RO, EL, HU, CY, SE	PT
PW050: Being very nervous	PW090: Being happy	-0.5	-0.4	-0.38	-0.4	-0.2	PT	CY, HU, MT, SE, SI, RS, ES	IT, HR, UK, SK, LV, LU, FI, DK	IE, CZ, FR, IS, NL, EL, DE, PL	EE, AT, LT, BE, RO, CH, NO	BG
PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	-0.6	-0.5	-0.45	-0.4	-0.3	PT	CY, LV, HU, ES, MT, CZ, HR	DE, FR, IE, LU, IT, UK, AT, LT	RO, SK, EL, EE, BE, SE, DK, RS	SI, FI, PL, NL, NO, IS, BG	CH
PW060: Feeling down in the dumps	PW080: Feeling downhearted or depressed	0.44	0.56	0.62	0.69	0.75	NO	IS, SI, LT, EE, AT, FI, SE	RS, MT, CH, CZ, NL, PL, DK, FR	LU, DE, LV, SK, BE, CY, EL, HU	IE, IT, UK, HR, PT, BG, ES	RO
PW060: Feeling down in the dumps	PW090: Being happy	-0.6	-0.5	-0.42	-0.4	-0.3	PT	UK, MT, CY, IE, DK, ES, HU	FR, LU, BE, DE, HR, CZ, IT, AT	LT, RO, SK, NL, RS, FI, PL, EL	IS, EE, SE, CH, SI, LV, NO	BG
PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	-0.6	-0.5	-0.43	-0.4	-0.3	CY	PT, HU, IT, SE, LV, ES, IE	DK, UK, SK, CZ, NO, DE, RO, FR	BE, FI, LU, AT, MT, NL, HR, IS	EE, SI, RS, EL, PL, LT, CH	BG
PW070: Feeling calm and peaceful	PW090: Being happy	0.39	0.47	0.53	0.6	0.67	EE	LV, LT, IS, AT, CH, NL, DE	BE, LU, FI, FR, NO, RS, PL, ES	SE, SI, PT, BG, MT, UK, DK, IE	HU, CZ, RO, HR, SK, CY, EL	IT
PW080: Feeling downhearted or depressed	PW090: Being happy	-0.6	-0.5	-0.46	-0.4	-0.3	PT	UK, CY, MT, IE, ES, FR, IT	DK, HU, LU, AT, IS, LT, BE, DE	NL, FI, CZ, SE, SK, EL, NO, PL	CH, SI, RS, HR, EE, RO, LV	BG

Table 9: AHM2013 Trust items correlation statistics

Trust items		Statistics					Country list per correlation quartile					
		min	q1	median	q3	max	Min	1st quartile	2nd quartile	3rd quartile	4th quartile	Max
PW130: Trust in the political system	PW140: Trust in the legal system	0.5	0.6	0.63	0.8	0.83	MT	IE, IS, SE, IT, EL, PT, DK	UK, NO, FI, FR, AT, ES, CH, SI	NL, EE, LV, BE, CY, RO, LU, PL	LT, DE, RS, HU, HR, SK, BG	CZ
PW130: Trust in the political system	PW150: Trust in the police	0.2	0.4	0.45	0.6	0.69	IT	IS, PT, IE, SI, ES, MT, EL	AT, DK, FR, FI, UK, CH, SE, NO	CY, BE, EE, NL, LV, LT, LU, PL	DE, RO, CZ, HU, RS, SK	BG
PW130: Trust in the political system	PW190: Trust in others	0.1	0.3	0.32	0.4	0.47	ES	IS, PT, SI, IT, CH, EL, DK	CY, NO, MT, IE, UK, LT, AT, LV	EE, RS, FI, PL, NL, HR, LU, BE	SE, HU, RO, DE, SK, BG, FR	CZ
PW140: Trust in the legal system	PW150: Trust in the police	0.4	0.6	0.66	0.7	0.83	IT	SI, IS, PT, ES, IE, MT, CH	AT, BE, FI, FR, UK, CY, NL, CZ	DK, LT, NO, EE, LU, LV, DE, SE	PL, EL, RS, SK, RO, HU	BG
PW140: Trust in the legal system	PW190: Trust in others	0.2	0.3	0.32	0.4	0.45	ES	EL, CH, PT, SI, IS, CY, NO	LT, IE, IT, DK, UK, EE, AT, MT	LV, BE, PL, FI, LU, FR, HR, RS	SE, BG, DE, HU, SK, NL, RO	CZ

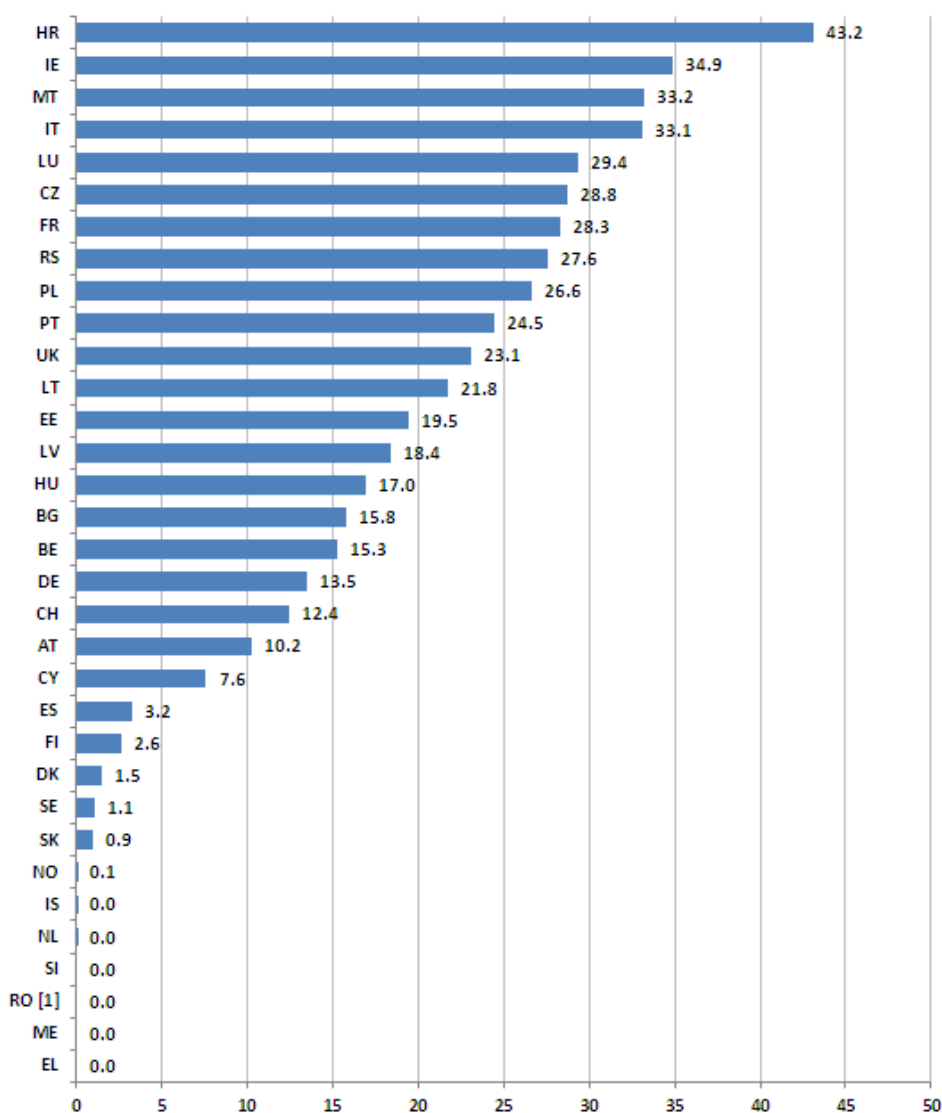
Analysis and preparation for the dissemination of the data on well-being and quality of life of individuals living in the EU

PW150: Trust in the police	PW190: Trust in others	0.2	0.3	0.3	0.4	0.4	ES	EL, CH, PT, CY, AT, FR, LT	EE, NO, BE, DK, RS, IE, LU, PL	FI, SE, IS, UK, LV, IT, BG, HU	NL, SI, DE, MT, SK, CZ	RO
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3 Unit non-response by country

The unit non-response rate is a vital quality assessment measure in the frame of all major sample surveys, as it may be strongly related to estimation bias in case larger rates of unit non-response are associated to certain sample unit characteristics. Figure 2 presents the unit non-response rate by country for the EU-SILC AHM2013. *In the frame of this study, an individual is classified as a non-respondent at unit level if no “filled” value occurs (flag = “1”) in any of the 22 Module items¹².*

Figure 2: EU-SILC AHM2013 Unit non-response by country (%)



[1]: 13.2% of the module questionnaires for RO were provided by proxies. These cases are not taken into account in the calculation of the unit non-response.

¹² Non-selected respondents are included in the calculation of the unit non-response rate for countries that implemented the Selected Respondents model, and are treated as non-respondents since the flags for all module items is equal to -3.

The unit non-response rate varies significantly, from 0% (for Greece, Montenegro, Romania and Slovenia) to more than 30% (Croatia, Ireland, Malta and Italy). In terms of distribution, there are 13 countries with unit non-response rate < 10%, 12 countries with unit non-response rate > 20% and 8 countries with unit non-response rate between 10% and 20%.

As for all data validation rules implemented, proxy interviews were not taken into account for the calculation of unit non-response. This is very important for Romania, for which the unit non-response rate is 0% but a 13.2% of the questionnaires were excluded due to being answered by proxies.

The exclusion of proxy questionnaires from the sample has a direct impact on the unit non-response. This impact was amended by the construction and use of special module weights by some countries that fostered this practice (AT, BE, CZ, IT, LU, LV, RO and SI). In any case, the exclusion of proxy questionnaires is to be considered while interpreting the unit non-response rates.

A further study of the unit non-response rate by certain socioeconomic indicators is necessary for the identification of non-response patterns and hence of possible bias sources in the estimation of the statistics. The socioeconomic indicators studied in the frame of this report are:

- *Sex (Core EU-SILC variable RB090)*
- *Age group at the date of the interview (Calculated from derived EU-SILC variable age_iw)*
- *Degree of urbanisation (Core EU-SILC variable DB100)*
- *Economic status (Calculated from core EU-SILC variable PL031)*

The age groups used were: a) 16-24, b) 25-49, c) 50-64 and d) 65+years of age at the date of the interview, whereas the following classes were defined for the economic status: a) Full-time employed, b) Part-time employed, c) Self-employed, d) Unemployed, e) In education or training, f) Retired, and g) Other.

Tables 10 to 13 in paragraphs 3.1 to 3.4 respectively present the unit non-response rate broken down by category of each of these indicators at country level. Chi-square tests have been performed in order to test for statistically significant differences.

It is important to underline that these chi-square tests cannot be performed for Greece, Montenegro, Romania and Slovenia as there are no non-respondents at unit (record) level. Additionally, the validity of the test may be limited when the total unit non-response rate is close to 0%, even though in that case statistically significant results are less valuable¹³.

In the majority of the cases, the chi-square tests yielded statistically significant differences, which is an indication of considerable variations in unit non-response rates among the categories of the socioeconomic indicator under study. Specific findings are presented in paragraphs 3.1 to 3.4.

3.1 Unit non-response rate by sex

Table 10 summarizes the results of the chi-square tests for the unit non-response rate by sex. *For all the countries that the chi-square test was performed except for Norway and Sweden, males presented a greater unit non-response rate than the females (for all of these countries except for CY, DE, DK, IS and NL the differences were also statistically significant).* For Norway and Sweden the unit non-response for females was marginally greater than that of the males.

¹³ If the overall unit non-response rate is close to 0%, it is evident that there is no significant bias induced due to non-response.

Table 10: Unit non-response rate by Sex

Country	Unit non-response (%)			Chi-Square [1]		
	Total	Male	Female	Test value	df	Sig. level
AT	10.2	13.2	7.6	93.8	1	0.000 *
BE	15.3	16.6	14.0	14.2	1	0.000 *
BG	15.8	20.6	11.6	165.8	1	0.000 *
CH	12.4	13.9	11.1	24.0	1	0.000 *
CY	7.6	7.9	7.4	1.0	1	0.309
CZ	28.8	37.9	20.7	590.0	1	0.000 *
DE	13.5	13.9	13.1	2.8	1	0.093
DK	1.5	3.3	3.1	0.1	1	0.724
EE	19.5	26.4	13.5	331.4	1	0.000 *
EL	0.0	0.0	0.0	NA	NA	NA
ES	3.2	3.6	2.9	11.8	1	0.001 *
FI	2.6	6.2	4.2	21.0	1	0.000 *
FR	28.3	37.3	20.2	758.8	1	0.000 *
HR	43.2	51.3	36.0	291.5	1	0.000 *
HU	17.0	24.8	10.5	769.8	1	0.000 *
IE	34.9	41.4	29.1	157.1	1	0.000 *
IS	0.0	0.8	0.6	0.4	1	0.540
IT	33.1	35.5	31.0	84.9	1	0.000 *
LT	21.8	30.7	14.3	411.0	1	0.000 *
LU	29.4	34.2	24.6	88.6	1	0.000 *
LV	18.4	26.1	12.7	367.9	1	0.000 *
ME	0.0	0.0	0.0	NA	NA	NA
MT	33.2	38.2	28.5	108.5	1	0.000 *
NL	0.0	0.0	0.0	1.2	1	0.285
NO	0.1	0.1	0.1	0.3	1	0.619
PL	26.6	37.0	17.4	1465.7	1	0.000 *
PT	24.5	29.9	19.8	194.8	1	0.000 *
RO	0.0	0.0	0.0	NA	NA	NA
RS	27.6	31.2	24.3	100.4	1	0.000 *
SE	1.1	2.1	2.2	0.1	1	0.732
SI	0.0	0.0	0.0	NA	NA	NA
SK	0.9	1.3	0.7	13.3	1	0.000 *
UK	23.1	28.4	18.3	259.4	1	0.000 *

[1]: Chi-square test validity may be limited for countries with total unit non-response rate close to 0%. Test not performed for countries with total non-response rate equal to 0% (NA)

3.2 Unit non-response rate by age group

Table 11 summarizes the results of the chi-square tests for the unit non-response rate by age group at the date of the interview. *For all the countries that the chi-square test was performed except for Iceland, the Netherlands and Sweden, people younger than 25 years of age presented a statistically significantly greater unit non-response rate than older respondents.* For Iceland, the total unit non-response rate is very close to 0% and so is for the age group with the highest unit non-response rate (0.1% for those aged 65+), for the Netherlands all age groups except 25-49 have a unit non-response rate of real 0% while for Sweden the unit non-response for age group 65+ was statistically significantly larger than that of the other age groups.

Table 11: Unit non-response rate by Age Group

Country	Unit non-response (%)					Chi-Square [1]		
	Total	16 - 24	25 - 49	50 - 64	65+	Test value	df	Sig. level
AT	10.2	22.2	8.4	7.1	10.8	246.9	3	0.000 *
BE	15.3	43.3	15.3	9.0	6.3	1138.3	3	0.000 *
BG	15.8	31.5	20.4	13.1	8.2	404.7	3	0.000 *
CH	12.4	19.2	11.9	10.3	12.0	89.8	3	0.000 *
CY	7.6	23.3	5.9	2.9	4.4	739.9	3	0.000 *
CZ	28.8	64.4	31.4	22.9	16.3	1496.3	3	0.000 *
DE	13.5	23.2	12.1	11.5	14.4	191.2	3	0.000 *
DK	1.5	9.6	0.1	0.0	0.0	917.6	3	0.000 *
EE	19.5	36.4	19.8	15.2	11.1	534.6	3	0.000 *
EL	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
ES	3.2	5.7	3.4	2.5	2.6	77.6	3	0.000 *
FI	2.6	4.2	2.5	1.8	2.9	52.3	3	0.000 *
FR	28.3	68.8	28.4	21.9	13.8	2721.2	3	0.000 *
HR	43.2	80.3	53.3	33.4	25.4	1561.1	3	0.000 *
HU	17.0	34.3	18.1	11.5	10.4	899.9	3	0.000 *
IE	34.9	75.6	32.7	28.0	22.8	1060.0	3	0.000 *
IS	0.0	0.0	0.0	0.0	0.1	3.0	3	0.394
IT	33.1	73.0	37.3	24.9	20.6	3751.8	3	0.000 *
LT	21.8	47.1	20.7	16.3	19.0	516.9	3	0.000 *
LU	29.4	67.2	25.8	20.5	19.3	956.7	3	0.000 *
LV	18.4	37.4	21.7	12.7	12.1	521.5	3	0.000 *
ME	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
MT	33.2	70.3	34.8	21.5	22.4	1171.9	3	0.000 *
NL	0.0	0.0	0.0	NA	0.0	1.7	3	0.643
NO	0.1	0.2	0.0	0.1	0.1	9.5	3	0.023 *
PL	26.6	48.9	29.3	19.4	17.2	1542.8	3	0.000 *
PT	24.5	51.2	27.4	18.1	16.5	797.9	3	0.000 *
RO	0.0	0.0	0.0	0.0	0.0	NA	NA	NA
RS	27.6	46.9	31.7	21.1	18.2	692.5	3	0.000 *
SE	1.1	0.7	0.8	0.7	2.2	45.1	3	0.000 *
SI	0.0	0.0	NA	0.0	0.0	NA	NA	NA
SK	0.9	1.6	1.2	0.5	0.5	25.4	3	0.000 *
UK	23.1	63.2	23.0	19.3	8.8	2386.7	3	0.000 *

[1]: Chi-square test validity may be limited for countries with total unit non-response rate close to 0%. Test not performed for countries with total non-response rate equal to 0% (NA)

3.3 Unit non-response rate by degree of urbanisation

Table 12 summarizes the results of the chi-square tests for the unit non-response rate by degree of urbanisation. In brief:

- Residents in densely populated areas presented a statistically significantly greater unit non-response rate than those of other areas for BE, CY, LT, LV, MT, PT and UK
- Residents in intermediate areas presented a statistically significantly greater unit non-response rate than those of other areas for BG, EE, HR, IT and PL
- Residents in thinly populated areas presented a statistically significantly greater unit non-response rate than those of other areas for AT, CZ, DE, FI, FR, HU, LU and SK

Table 12: Unit non-response rate by Degree of Urbanisation

Country	Unit non-response (%)				Chi-Square [1]		
	Total	Densely populated	Intermediate area	Thinly populated	Test value	df	Sig. level
AT	10.2	10.3	8.9	11.1	9.5	2	0.009 *
BE	15.3	15.8	14.9	11.5	7.0	2	0.031 *
BG	15.8	11.4	19.1	18.2	97.6	2	0.000 *
CH	12.4	13.0	12.0	12.8	2.6	2	0.278
CY	7.6	8.4	7.7	6.1	15.5	2	0.000 *
CZ	28.8	23.6	30.0	31.2	80.0	2	0.000 *
DE	13.5	10.3	14.2	16.4	106.3	2	0.000 *
DK	1.5	1.4	1.3	1.7	1.6	2	0.442
EE	19.5	17.5	21.9	19.6	16.3	2	0.000 *
EL	0.0	0.0	0.0	0.0	NA	NA	NA
ES	3.2	3.3	3.1	3.3	0.8	2	0.663
FI	2.6	1.9	2.9	3.0	21.5	2	0.000 *
FR	28.3	27.8	27.1	29.5	10.2	2	0.006 *
HR	43.2	38.4	45.3	43.9	31.7	2	0.000 *
HU	17.0	15.1	17.5	18.0	23.4	2	0.000 *
IE	34.9	36.4	33.8	34.3	5.2	2	0.074
IS [2]	0.0	0.0	NA	0.0	0.2	1	0.692
IT	33.1	32.1	34.5	32.4	21.3	2	0.000 *
LT	21.8	23.0	20.1	21.1	7.3	2	0.026 *
LU	29.4	28.8	26.7	31.5	18.5	2	0.000 *
LV	18.4	21.7	19.0	15.7	68.2	2	0.000 *
ME [3]	0.0	NA	NA	NA	NA	NA	NA
MT	33.2	33.5	31.1	7.7	6.3	2	0.043 *
NL	0.0	0.0	0.0	0.0	1.3	2	0.518
NO	0.1	0.1	0.1	0.1	0.5	2	0.785
PL	26.6	24.2	29.4	26.6	55.6	2	0.000 *
PT	24.5	26.3	25.1	22.2	24.8	2	0.000 *
RO	0.0	0.0	0.0	0.0	NA	NA	NA
RS	27.6	28.3	27.3	27.3	1.9	2	0.378
SE	1.1	1.0	1.1	1.2	0.9	2	0.635
SI	0.0	0.0	0.0	0.0	NA	NA	NA
SK	0.9	1.0	0.5	1.2	15.1	2	0.001 *
UK	23.1	24.0	21.1	24.0	19.2	2	0.000 *

[1]: Chi-square test validity may be limited for countries with total unit non-response rate close to 0%. Test not performed for countries with total non-response rate equal to 0% (NA), [2]: No Intermediate areas defined. Chi-square test is performed between Densely populated and Thinly populated areas, [3]: Information on degree of urbanisation is not available

3.4 Unit non-response by economic status

Table 13 summarizes the results of the chi-square tests for the unit non-response rate by economic status. For 23 of the 29 countries that the chi-square test was performed, people in education or training presented a statistically significantly greater unit non-response rate than people of different economic status. The countries that deviated from this rule were CH, NO, SE (greater unit non-response rate corresponds to category “Other”), ES (greater unit non-response rate corresponds to category “Full-time employed”), NL (greater unit non-response rate corresponds to category “Unemployed”) and IS (no statistical significant result). The total unit non-response rate for the latter countries except for CH and ES is smaller than 2%.

Table 13: Unit non-response by Economic Status

Country	Unit non-response (%)									Chi-Square [1]		
	Total	Full-time employed	Part-time employed	Self employed	Unemployed	In education or training	Retired	Other	Test value	df	Sig. level	
AT	10.2	10.6	6.2	10.0	10.6	19.5	9.5	10.3	83.7	6	0.000	*
BE	15.3	15.3	10.4	15.8	11.7	43.1	5.8	13.7	906.2	6	0.000	*
BG	15.8	19.6	12.6	17.3	19.0	30.2	8.3	17.6	304.6	6	0.000	*
CH [2]	12.4	2.3	1.9	1.2	5.7	2.9	5.3	9.5	200.2	6	0.000	*
CY	7.6	3.9	4.2	4.0	5.3	32.8	4.2	10.8	1097.1	6	0.000	*
CZ	28.8	32.9	18.3	30.8	31.5	66.6	16.1	20.6	1400.3	6	0.000	*
DE	13.5	12.8	11.7	13.1	10.7	20.3	13.5	16.7	88.1	6	0.000	*
DK	1.5	0.6	1.1	0.0	1.9	9.4	0.0	0.7	583.4	6	0.000	*
EE	19.5	20.1	11.7	17.5	17.9	35.5	9.8	16.3	413.7	6	0.000	*
EL	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	NA	NA	NA	
ES	3.2	6.3	1.3	1.2	1.5	3.1	2.6	1.8	360.4	6	0.000	*
FI	2.6	2.2	2.1	2.3	2.4	4.1	2.8	3.1	31.2	6	0.000	*
FR	28.3	30.9	18.7	36.4	28.6	71.8	12.5	19.4	2467.1	6	0.000	*
HR	43.2	54.3	40.7	44.2	49.3	82.6	25.3	34.5	1427.7	6	0.000	*
HU	17.0	18.8	13.1	18.2	18.0	36.1	10.3	10.5	797.4	6	0.000	*
IE	34.9	36.4	33.8	35.2	39.9	73.8	22.8	23.9	761.7	6	0.000	*
IS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6	0.882	
IT	33.1	34.3	30.0	34.2	41.2	75.1	18.9	30.2	3132.2	6	0.000	*
LT	21.8	19.4	16.1	19.3	19.0	49.2	17.8	23.8	432.4	6	0.000	*
LU	29.4	29.7	21.3	30.8	32.4	71.1	16.4	20.7	852.6	6	0.000	*
LV	18.4	16.8	16.9	16.3	16.3	37.6	10.9	17.1	330.7	6	0.000	*
ME	0.0	NA	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	NA	
MT	33.2	38.6	32.4	38.4	50.9	71.7	21.0	22.0	852.6	6	0.000	*
NL	0.0	0.0	NA	0.0	0.2	0.0	0.0	0.0	36.8	6	0.000	*
NO	0.1	NA	0.0	0.0	0.0	0.2	0.1	0.3	18.4	6	0.005	*
PL	26.6	24.0	20.0	18.5	23.0	40.7	12.6	14.8	949.8	6	0.000	*
PT	24.5	26.5	25.1	25.2	25.7	53.6	15.1	24.1	629.1	6	0.000	*
RO	0.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	NA	NA	NA	
RS	27.6	34.0	26.7	24.0	27.1	51.9	17.1	24.1	778.8	6	0.000	*
SE	1.1	0.4	0.2	1.0	1.5	0.7	2.2	5.6	136.6	6	0.000	*
SI	0.0	0.0	NA	NA	0.0	0.0	0.0	0.0	NA	NA	NA	
SK	0.9	0.9	0.0	1.3	1.2	1.7	0.4	1.3	22.3	6	0.001	*
UK	23.1	26.3	17.6	28.0	21.3	81.8	8.6	16.3	2680.9	6	0.000	*

[1]: Chi-square test validity may be limited for countries with total unit non-response rate close to 0%. Test not performed for countries with total non-response rate equal to 0% (NA), [2]: Participants with undefined (missing) economic status class have a unit non-response rate of 99.8%

4 Analysis of flags

In this section the flag variables used in the 2013 module are analysed. Several values were used in this module for flag variables:

- *Flag “1”*: Filled value
- *Flag “-1”*: Missing value
- *Flag “-2”*: Not applicable (*PL031 not = 1, 2, 3 or 4*) / *I have no relatives, friends, neighbours*
- *Flag “-3”*: Not selected respondent
- *and Flag “-4”*: Not applicable (*home office*)

In order to carry out the analysis of the flags, we use data that can be found in Annex 2: “Frequencies of flags for each variable by country (unweighted values)”.

4.1 Flag -1: “Missing”

This section analyses the flag “-1” which is to be used when the variable is not filled. The results of this analysis allow determining which variables were more difficult to implement by countries. The share of flag “-1” in the flag variables is related to the item non-response which is presented at country level in table 14.

In general, the classification of countries by level of item non-response is similar across items with the exception of items:

- *PW100: Job satisfaction*
- *and PW110: Satisfaction with commuting time*

for which a filter is applied (*PL031 not = 1, 2, 3 or 4*). Due to this similarity, item non-response¹⁴ is also generally similar to the unit non-response presented in the previous section. Both of these findings are also reflected in table 15 which provides further insight in the relation of unit non-response and item non-response at country level. It has to be noted that Croatia (HR) did not provide answers for items:

- *PW150: Trust in the police*
- *PW220: Physical security*

And as a consequence item non-response is equal to 100% for these items.

Additionally, item non-response for Montenegro ranges from 0% (items PW170 and PW180) to 7.9% (item PW120). Consequently, the unit non-response for this country is calculated to be 0% even though for the majority of the items the item non-response may be significantly different than this level.

¹⁴ With the exception of that of items PW100 and PW110

Table 14: Country Classification by level of item non-response

Item	% of flag -1	Number of countries	List of Countries
PW010: Overall life satisfaction	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW020: Meaning of life	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW030: Satisfaction with financial situation	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW040: Satisfaction with accommodation	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW050: Being very nervous	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW060: Feeling down in the dumps	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW070: Feeling calm and peaceful	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW080: Feeling downhearted or depressed	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW090: Being happy	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK

Table 14: Country Classification by level of item non-response

Item	% of flag -1	Number of countries	List of Countries
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW100: Job satisfaction	0%	3	EL, RO, SI
	Between 0 and 1%	6	DK, IS, NL, NO, SE, SK
	Between 1 and 10%	12	AT, BE, BG, CH, CY, DE, EE, ES, FI, HU, LT, ME
	Between 10 and 20%	11	CZ, FR, HR, IE, IT, LU, LV, MT, PT, RS, UK
	Above 20%	1	PL
PW110: Satisfaction with commuting time	0%	3	EL, RO, SI
	Between 0 and 1%	6	DK, IS, NL, NO, SE, SK
	Between 1 and 10%	12	AT, BE, BG, CH, CY, DE, EE, ES, FI, HU, LT, ME
	Between 10 and 20%	11	CZ, FR, HR, IE, IT, LU, LV, MT, PT, RS, UK
	Above 20%	1	PL
PW120: Satisfaction with time use	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW130: Trust in the political system	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW140: Trust in the legal system	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW150: Trust in the police	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW160: Satisfaction with personal relationships	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW170: Personal matters (anyone to discuss with)	0%	3	EL, ME, SI
	Between 0 and 1%	5	IS, NL, NO, RO, SK
	Between 1 and 10%	5	CY, DK, ES, FI, SE
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW180: Help from	0%	3	EL, ME, SI

Table 14: Country Classification by level of item non-response

Item	% of flag -1	Number of countries	List of Countries
others	Between 0 and 1%	5	IS, NL, NO, RO, SK
	Between 1 and 10%	5	CY, DK, ES, FI, SE
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
PW190: Trust in others	0%	2	EL, SI
	Between 0 and 1%	5	IS, ME, NL, NO, RO
	Between 1 and 10%	6	CY, DK, ES, FI, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
PW200: Satisfaction with recreational or green areas	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
PW210: Satisfaction with living environment	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
	0%	3	EL, RO, SI
	Between 0 and 1%	3	IS, NL, NO
	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
PW220: Physical security	Between 10 and 20%	7	AT, BE, BG, CH, DE, HU, LV
	Above 20%	13	CZ, EE, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK
	0%	2	EL, SI
	Between 0 and 1%	4	IS, NL, NO, RO
PW220: Physical security	Between 1 and 10%	7	CY, DK, ES, FI, ME, SE, SK
	Between 10 and 20%	8	AT, BE, BG, CH, DE, EE, HU, LV
	Above 20%	12	CZ, FR, HR, IE, IT, LT, LU, MT, PL, PT, RS, UK

Table 15: Flag -1: Missing (Item non-response at country level)

Country	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW170: Personal matters (anyone to discuss with)	PW180: Help from others	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security	Unit non-response rate
AT	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	5.0	5.4	10.3	10.4	10.3	10.3	10.3	10.3	10.2	10.3	10.3	10.3	12.2	10.2
BE	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	6.7	6.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
BG	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	9.2	9.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
CH	12.6	13.2	12.7	12.5	12.6	12.6	12.7	12.6	12.8	1.1	1.5	12.6	14.1	14.7	13.5	12.6	12.5	12.6	12.9	12.7	12.6	13.2	12.4
CY	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	1.8	1.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
CZ	28.8	29.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	15.9	15.9	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	28.8	28.8	28.8	28.8
DE	13.8	13.7	14.0	13.9	14.0	14.3	14.1	14.0	14.1	6.9	6.9	14.6	13.8	13.9	13.9	14.1	13.7	13.7	13.8	14.1	14.0	13.7	13.5
DK	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.4	0.4	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.6	1.5
EE	20.4	19.8	22.5	19.9	19.5	19.5	19.5	19.5	19.5	9.4	9.4	20.2	30.3	23.4	22.0	20.1	19.5	19.5	20.8	20.3	20.1	19.5	19.5
EL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ES	5.1	5.5	5.2	5.2	4.7	4.7	4.7	4.7	4.9	2.7	2.6	5.2	6.4	6.5	6.3	5.2	3.6	3.4	4.9	5.2	5.2	4.5	3.2
FI	2.6	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.7	1.8	1.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.6
FR	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	14.4	14.4	28.4	28.5	28.5	28.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.3
HR [1]	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	17.5	17.5	43.2	43.2	43.2	100.0	43.2	43.2	43.2	43.2	43.2	43.2	100.0	43.2
HU	17.1	17.3	17.1	17.1	17.0	17.0	17.1	17.1	17.0	8.7	8.7	17.2	17.0	17.0	17.0	17.1	17.1	17.0	17.1	17.1	17.0	17.1	17.0
IE	35.0	35.6	35.0	34.9	35.1	35.0	35.1	35.1	35.0	15.6	15.8	35.1	36.5	37.6	36.0	35.4	35.0	34.9	35.3	35.4	35.1	35.2	34.9
IS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
IT	33.1	33.1	33.1	33.1	36.9	37.0	36.8	36.9	37.0	14.6	15.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
LT	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	8.7	8.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
LU	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	15.2	15.2	29.4	29.6	29.7	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
LV	18.6	18.8	18.6	18.5	18.5	18.5	18.5	18.6	18.6	15.7	15.7	18.6	19.5	19.3	19.0	18.6	18.4	18.4	18.5	18.5	18.5	18.6	18.4
ME	4.2	3.4	3.9	3.8	3.9	5.6	4.1	4.2	4.0	2.3	3.2	7.9	2.1	2.1	2.1	2.2	0.0	0.0	0.9	4.5	4.4	1.2	0.0

Table 15: Flag -1: Missing (Item non-response at country level)

Country	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW170: Personal matters (anyone to discuss with)	PW180: Help from others	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security	Unit non-response rate	
MT	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	17.3	17.3	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
NL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NO	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
PL	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.6	26.6
PT	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	10.8	10.8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
RO	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	0.1	0.0	0.0	0.0	0.0	0.0
RS	28.3	27.8	27.6	27.7	27.7	27.7	27.7	27.7	27.6	11.8	11.8	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.8	27.7	27.7	27.8	27.6	27.6
SE	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.3	0.3	1.2	1.4	1.3	1.3	1.2	1.1	1.1	1.3	1.2	1.2	1.1	1.1	1.1
SI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SK	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.5	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.4	1.0	1.1	1.0	0.9	0.9
UK	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	13.9	13.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1

[1]: Items PW150 and PW220 were not answered

4.2 Flag -2 “Not applicable” or “I have no relatives, friends, neighbours”

Flag “-2” is used with two different meanings, while it concerns three Module items:

1. *PW100: Job satisfaction*
2. *and PW110: Satisfaction with commuting time*

for which the flag stands for “Not applicable (PL031 not = 1, 2, 3 or 4)”, and

3. *PW180: Help from others*

for which it stands for “I have no relatives, friends, neighbours”.

The shares of flag “-2” are identical for items PW100 and PW110 at first decimal level for all countries (table 16) and greater than 40% for all except those which implemented the Selected respondents model (DK, FI, IS, NL, NO, SE and SI). For these countries, the respective share ranges from 16.7% (IS) to 23.8% (FI).

For item PW180 the share of flag “-2” is smaller than 1% for all countries except Lithuania and Latvia, while for 13 countries (CH, CY, DK, EE, EL, HU, IE, ME, NL, NO, RO, RS and SK) it is zero.

4.3 Flag -3: “Not Selected Respondent”

The flag “-3” was applied for all Module items by countries using the Selected Respondent Model, namely: Denmark, the Netherlands, Slovenia, Finland, Sweden, Iceland and Norway. For these countries, the share of flag “-3” ranges from 48.1% (NL) to 61.5% (SI) while for the rest is 0% (table 13).

4.4 Flag -4 “Not applicable (home office)”

The flag “-4” is related only to item PW110: Satisfaction with commuting time. The share of flag “-4” is non-zero for 15 of the countries (namely AT, BE, CY, CZ, DE, EE, ES, FI, FR, MT, NL, PL, PT, SI and UK, table 14) and in all cases smaller than 2.7% (CZ).

Table 16: Flag -2: Not applicable (PL031 not = 1, 2, 3 or 4) for PW100 and PW110 / "I have no relatives, friends, neighbours" for PW180

Country	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW180: Help from others
AT	48.5	48.5	0.1
BE	52.3	52.3	0.5
BG	56.5	56.5	0.3
CH	47.7	47.7	0.0
CY	54.4	54.4	0.0
CZ	50.9	50.9	0.1
DE	49.1	49.1	0.1
DK	21.8	21.8	0.0
EE	51.1	51.1	0.0
EL	66.5	66.5	0.0
ES	59.0	59.0	0.3
FI	23.8	23.8	0.7
FR	51.2	51.2	0.1
HR	66.9	66.9	0.3
HU	54.6	54.6	0.0
IE	56.2	56.2	0.0
IS	16.7	16.7	0.1
IT	56.9	56.9	0.2
LT	55.1	55.1	1.0
LU	47.0	47.0	0.4
LV	46.7	46.7	4.5
ME	68.9	68.9	0.0
MT	55.7	55.7	0.2
NL	21.7	21.7	0.0
NO	18.0	18.0	0.0
PL	40.3	40.3	0.2
PT	58.8	58.8	0.0
RO	55.2	55.2	0.0
RS	62.1	62.1	0.0
SE	22.9	22.9	0.0
SI	21.1	21.1	0.1
SK	50.0	50.0	0.0
UK	43.7	43.7	0.1

Table 17: Flag -4: Flag -3: Not selected respondents (applies for all AHM items)

Country	%	Selected Respondents Model applied
AT	0.0	
BE	0.0	
BG	0.0	
CH	0.0	
CY	0.0	
CZ	0.0	
DE	0.0	
DK	52.6	*
EE	0.0	
EL	0.0	
ES	0.0	
FI	49.4	*
FR	0.0	
HR	0.0	
HU	0.0	
IE	0.0	
IS	56.7	*
IT	0.0	
LT	0.0	
LU	0.0	
LV	0.0	
ME	0.0	
MT	0.0	
NL	48.1	*
NO	49.7	*
PL	0.0	
PT	0.0	
RO	0.0	
RS	0.0	
SE	49.3	*
SI	61.5	*
SK	0.0	
UK	0.0	

Table 18: Flag -4: Not applicable (home office) (PW110: Satisfaction with commuting time)

Country	%	Share > 0%
AT	1.7	*
BE	0.4	*
BG	0.0	
CH	0.0	
CY	2.0	*
CZ	2.7	*
DE	0.5	*
DK	0.0	
EE	2.3	*
EL	0.0	
ES	1.2	*
FI	1.1	*
FR	1.4	*
HR	0.0	
HU	0.0	
IE	0.0	
IS	0.0	
IT	0.0	
LT	0.0	
LU	0.0	
LV	0.0	
ME	0.0	
MT	0.3	*
NL	1.3	*
NO	0.0	
PL	2.1	*
PT	0.2	*
RO	0.0	
RS	0.0	
SE	0.0	
SI	1.2	*
SK	0.0	
UK	0.7	*

5 “Do not know” answers analysis

The share of the respondents that provided a “Do not know” answer by module item is presented at country level on table 19. “Do not know” answers are not taken into consideration in the frame of the statistical analysis of the 2013 AHM data as they do not provide a definite subjective opinion.

It is evident that the share of «Do not know» answers are fairly homogenous both across module items and across countries and is generally lower than 5% of the respondents.

Trust in the political system (PW130), *Trust in the legal system* (PW140) and *Trust in the police* (PW150) are generally the items that correspond to the larger “Do not know” answers shares, while for some countries these shares are close to or greater than 10% of the respondents (all three items for Romania, Serbia, Bulgaria and Slovakia, items PW130 and PW140 for Luxemburg, items PW140 and PW150 for Lithuania).

Trust in others (PW190) also relates to greater “Do not know” answers share than other module items, while for Romania and Slovakia the share is greater than 10% of the respondents. Other module items that presented significant¹⁵ shares of “Do not know” answers for specific countries are:

- *Meaning of life* (PW020) for Slovakia and the Czech Republic
- *Feeling down in the dumps* (PW060), *Feeling downhearted or depressed* (PW080) and *Being happy* (PW090) for Bulgaria
- *Satisfaction with commuting time* (PW110) for Romania and Serbia and
- *Satisfaction with recreational or green areas* (PW200) for Serbia

¹⁵ Close to or greater than 10% of the respondents.

Table 19: Share of “Do not know” answers by country and module item

Country	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW170: Personal matters (anyone to discuss with)	PW180: Help from others	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security
AT	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.5	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0
BE	0.9	1.5	0.7	0.2	0.2	0.8	0.2	0.3	0.4	0.1	0.3	0.3	3.1	3.3	1.4	0.3	0.2	0.1	0.5	0.6	0.4	0.6
BG	1.3	6.1	1.0	0.8	6.8	9.6	6.4	11.4	12.5	1.3	2.7	2.1	9.4	11.8	9.2	2.9	2.3	1.9	4.2	3.6	3.0	2.8
CH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CY	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.9	1.2	1.2	1.1	0.8	0.9	0.9	0.9	0.9	0.9	0.9
CZ	2.7	13.2	2.1	0.5	2.2	2.3	1.6	2.7	2.9	1.2	1.9	2.5	6.1	8.2	6.1	1.7	1.2	2.3	4.0	1.6	0.9	1.9
DE	1.4	6.7	1.0	0.8	1.8	1.5	1.3	1.6	2.4	0.4	0.4	2.2	4.3	3.9	3.4	1.3	3.1	2.7	2.6	2.0	0.9	1.4
DK	0.6	1.0	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.3	0.7	0.9	1.4	2.2	1.3	0.7	0.4	0.3	1.0	1.7	0.8	1.2
EE	0.4	2.3	0.4	0.2	0.2	0.3	0.3	0.3	0.8	0.3	0.3	1.0	3.4	5.8	3.3	1.3	0.1	0.1	0.5	1.5	1.6	1.1
EL	1.1	1.8	1.0	1.0	2.5	2.7	2.6	3.0	4.3	1.3	1.8	4.3	2.3	2.8	2.5	1.5	1.5	1.6	1.5	2.0	1.8	2.7
ES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FI	0.5	2.6	0.6	0.4	0.6	0.6	0.7	0.5	0.8	0.0	0.1	1.2	2.7	2.4	1.2	0.6	0.3	0.2	1.1	1.7	0.8	1.4
FR	0.6	3.3	1.0	0.4	0.4	0.5	0.4	0.4	0.6	0.1	0.6	1.2	2.7	3.6	2.6	0.7	0.2	0.4	1.5	2.2	0.9	1.8
HR [1]	1.7	3.0	0.7	0.7	4.1	4.4	4.6	4.9	5.2	1.5	1.7	2.3	3.9	4.0	-	1.0	4.8	7.4	1.8	4.1	1.4	-
HU	0.3	0.9	0.3	0.2	0.7	0.8	0.6	0.8	1.9	0.3	0.9	0.5	8.0	6.9	5.2	0.4	0.8	0.5	0.7	3.7	0.5	3.8
IE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IS	0.9	2.2	1.4	0.7	1.0	1.2	1.0	0.9	1.0	0.6	0.9	1.1	2.9	2.9	1.5	0.9	0.5	0.5	1.4	2.0	1.7	1.0
IT	1.0	2.2	0.9	0.8	0.9	0.9	0.9	0.9	1.0	0.7	1.1	1.1	1.5	2.2	1.4	1.0	0.8	0.7	1.1	1.1	1.1	1.0
LT	1.1	7.9	1.0	0.5	4.3	3.3	3.0	3.4	5.0	0.8	2.8	4.1	6.5	8.0	5.6	1.2	1.8	0.2	2.6	2.6	1.3	2.8
LU	0.2	1.1	1.1	0.1	0.1	0.1	0.2	0.1	0.3	0.0	0.1	0.2	14.5	15.2	6.5	0.1	0.0	0.0	0.7	1.1	0.4	1.9
LV	1.4	6.9	0.7	0.6	0.9	1.1	1.0	1.1	3.8	0.2	0.9	3.2	7.3	19.5	12.0	0.8	0.3	0.3	1.5	0.9	0.8	2.2
ME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 19: Share of “Do not know” answers by country and module item

Country	PW010: Overall life satisfaction	PW020: Meaning of life	PW030: Satisfaction with financial situation	PW040: Satisfaction with accommodation	PW050: Being very nervous	PW060: Feeling down in the dumps	PW070: Feeling calm and peaceful	PW080: Feeling downhearted or depressed	PW090: Being happy	PW100: Job satisfaction	PW110: Satisfaction with commuting time	PW120: Satisfaction with time use	PW130: Trust in the political system	PW140: Trust in the legal system	PW150: Trust in the police	PW160: Satisfaction with personal relationships	PW170: Personal matters (anyone to discuss with)	PW180: Help from others	PW190: Trust in others	PW200: Satisfaction with recreational or green areas	PW210: Satisfaction with living environment	PW220: Physical security
MT	0.4	0.5	0.4	0.4	0.7	0.9	0.6	0.9	0.8	0.6	0.9	0.5	2.9	2.9	1.5	0.7	1.0	0.9	1.0	0.5	0.4	1.8
NL	0.6	1.5	0.5	0.3	0.4	0.5	0.6	0.5	0.8	0.9	1.1	0.6	2.2	2.4	2.0	0.5	0.3	0.7	0.9	1.1	0.3	1.1
NO	0.2	0.7	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.5	1.4	1.8	0.8	0.1	0.1	0.2	0.6	0.7	0.2	0.3
PL	0.6	3.6	0.5	0.1	1.6	2.0	1.1	2.2	3.0	0.4	0.6	0.6	6.5	7.7	6.3	0.3	2.0	1.9	1.3	0.9	0.4	3.8
PT	0.7	1.6	0.7	0.6	0.2	0.4	0.2	0.2	0.4	0.1	0.2	1.0	2.5	2.9	1.8	0.8	0.1	0.2	1.0	1.5	1.2	1.2
RO	2.3	6.1	2.2	1.8	1.8	2.0	1.8	2.2	5.0	6.2	10.7	6.1	12.6	13.0	10.8	3.7	0.6	0.9	10.8	7.6	5.2	1.6
RS	0.0	4.1	0.7	0.7	1.1	1.8	1.1	1.8	1.5	3.6	12.5	3.1	16.6	16.5	14.2	0.9	0.8	1.7	2.0	13.5	5.6	0.6
SE	0.5	2.2	0.6	0.3	0.5	0.7	0.7	0.5	1.9	0.3	0.5	0.9	3.1	3.1	1.7	0.6	0.3	0.2	1.4	1.0	0.9	3.1
SI	0.3	1.6	0.3	0.2	0.7	0.7	0.7	0.7	0.8	0.2	0.4	0.5	1.8	2.2	2.0	0.2	0.3	0.2	0.7	0.5	0.3	0.2
SK	5.2	18.0	5.7	2.9	4.8	6.0	4.0	7.1	5.4	3.4	5.0	6.3	15.7	17.5	14.6	5.7	1.3	1.5	11.4	8.1	6.7	4.3
UK	0.6	1.0	0.6	0.5	0.9	0.9	0.9	0.9	0.8	2.8	3.1	0.8	2.3	3.1	1.3	0.8	0.7	0.7	1.0	0.9	0.7	6.0

6 Qualitative Analysis

Responses regarding SWB are heavily context-dependent. This context may refer to both internal (personal experience, personality, willingness to participate in the survey, predisposition over the survey items etc.) and external variables (current political situation, society structure, the weather, the date and time of the interview etc.) that may affect one's judgement over subjective matters. As these variables cannot and should not be conditioned, they can only be considered as qualitative parameters to be studied along with the survey / module results.

However, there are other qualitative parameters that may have a measurable impact on the results and are not related in any way to either qualitative information that is useful to preserve or qualitative survey-oriented effects that are conditioned by the sheer survey design (large representative sample, spread across a long period of time, different waves etc.) such as:

1. *The placement of the AHM module in the survey questionnaire and the nature of questions that come before the AHM module items*
2. *The order in which the AHM module items were asked*
3. *The wording / phrasing used to ask the AHM module items*
4. *The response scales used and the way respondents perceive them in different countries and even*
5. *Other special issues with specific module items by country*

These structural factors may affect the respondent's predisposition and understanding. Ideally the national AHM questionnaires would have been standardised against these parameters to ensure that they have a similar effect by country. Wording and phrasing issues are discussed separately in section 7 as they are strictly related to deviations caused due to translation of the same question in different national languages.

Table 20 illustrates that for the majority of countries, the AHM questionnaire was placed close to, or at the very end of, the survey questionnaire. Greece, Hungary and Portugal used a separate supplementary file to cover the module items, whereas Finland and Romania placed the AHM questionnaire close to the beginning and Austria and Croatia in the middle of the survey questionnaire. The SWB module items were preceded by Material Deprivation, Health, and Income or Sociodemographic items in general.

The exact impact these parameters had on the responses provided by country cannot be independently evaluated as they are not the only sources of context-related bias. However, since the items / sections preceding and following the module items, as well as the module questionnaire's position in the survey questionnaire were fairly standardised across countries, the contribution of these parameters to the overall context – related bias can be considered to be minimal.

Table 20: AHM Questionnaire position in the EU-SILC Questionnaire

Classification	Country [1]	Items / Section before	Items / Section after	Note
Close to the beginning	FI	Sociodemographic	Health	-
	RO	Health and education	Material Deprivation	of 1 of 3 parts
In the middle	AT	Health	Material Deprivation & other consumer behavior	-
	HR	Material Deprivation	Child Care	-
Close to the end	BE	Health	Demographic and Education	-
	CY	Income	Income (taxes)	-
	DE	Education	Material Deprivation	-
	ES	Education and employment	Material Deprivation	-
	LT	Origin / Citizenship	Material Deprivation	-
	LU	Health	Material Deprivation	-
	NL	Consumer behaviour and leisure	Health	-
RS	Health	Material Deprivation	-	
At the end	BG	Health	[2]	-
	CH	Education	[2]	-
	CZ	Health	[2]	-
	DK	Health	[2]	of 1 of 2 parts
	EE	Material Deprivation	[2]	-
	FR	Material Deprivation	[2]	-
	IT	Material Deprivation	[2]	-
	IS	Consumer behaviour and leisure	[2]	-
	LV	Material Deprivation	[2]	-
	MT	Material Deprivation	[2]	-
	PL	Income (benefits received)	[2]	of 1 of 2 parts
	SE	Employment	[2]	-
	SI	Health	[2]	-
SK	Material Deprivation	[2]	-	
UK	Income	[2]	-	
Special supplementary questionnaire	EL	[2]	[2]	-
	HU	[2]	[2]	-
	PT	[2]	[2]	-

[1]: Information not available for: IE, NO

[2]: Not applicable

Standardisation was also expected to eliminate bias due to different item ordering applied by the countries. To that end, a Questionnaire Proposal was promoted, the item ordering of which was adopted by roughly half of the countries (AT, CY, DE, DK, FI, HU, IS, LT, LU, LV, PT, RO, RS). However, the rest of the countries applied an ordering with moderate or significant differences in comparison to the proposed version (Table 21).

Moderate differences in the items ordering were not expected to have a considerable impact on the responses. Significant differences (adopted by CH, CZ, FR, IT, MT, NL and SE) however could have significantly affected the emotional state of the respondents and hence their responses, but such a hypothesis is not supported by the quantitative findings of sections 1-5. This means that the national adaptations of the proposed (also, standardised) questionnaire had no significant effect on the responses, as they didn't evidently lead to a systematic source of bias.

Table 21: AHM items ordering

Proposed ordering:		PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW220	PW130	PW140	PW150
Status	Country [1]	Ordering adopted:																					
Respected the proposed ordering with moderate changes	BE	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW180	PW170	PW190	PW220	PW130	PW140	PW150
	BG	PW010	PW030	PW040	PW200	PW210	PW120	PW160	PW100	PW110	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW220	PW130	PW140	PW150
	EE	PW010	PW030	PW040	PW120	PW160	PW200	PW210	PW100	PW110	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW220	PW130	PW140	PW150
	EL	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW130	PW140	PW150	PW190	PW170	PW180	PW220
	ES	PW010	PW030	PW040	PW100	PW120	PW160	PW200	PW210	PW110	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW220	PW130	PW140	PW150
	HR	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW130	PW140	PW150	PW220
	PL	PW010	PW030	PW040	PW120	PW160	PW200	PW210	PW100	PW110	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW220	PW130	PW140	PW150
	SI	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW130	PW140	PW150	PW190	PW220
	SK	PW010	PW030	PW040	PW120	PW160	PW200	PW210	PW100	PW110	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW130	PW140	PW150	PW220
UK	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW220	PW190	PW130	PW140	PW150	
Applied a significantly different item ordering	CH	PW010	PW020	PW040	PW200	PW210	PW100	PW110	PW030	PW090	PW070	PW050	PW060	PW080	PW130	PW140	PW150	PW220	PW120	PW160	PW170	PW180	PW190
	CZ	PW010	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW030	PW020	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW190	PW130	PW140	PW150	PW220
	FR	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW190	PW130	PW140	PW150	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW220
	IT	PW010	PW030	PW040	PW200	PW100	PW110	PW120	PW160	PW210	PW020	PW070	PW090	PW050	PW060	PW080	PW130	PW140	PW150	PW190	PW220	PW170	PW180
	MT	PW010	PW030	PW040	PW120	PW160	PW200	PW210	PW100	PW110	PW020	PW130	PW140	PW150	PW190	PW170	PW180	PW050	PW060	PW070	PW080	PW090	PW220
	NL	PW010	PW040	PW210	PW200	PW120	PW100	PW110	PW030	PW160	PW020	PW170	PW180	PW050	PW060	PW070	PW080	PW090	PW220	PW190	PW140	PW150	PW130
SE	PW050	PW060	PW070	PW080	PW090	PW170	PW180	PW220	PW010	PW030	PW040	PW100	PW110	PW120	PW160	PW200	PW210	PW020	PW190	PW130	PW140	PW150	

[1]: Information not available for: IE, NO

An additional potential source of bias stems from the inclusion of additional items among the module items. Even countries that adopted the proposed items ordering have included one (Portugal) or more (Austria, Hungary) Satisfaction or Trust items. The additional items included in the module by country are:

- *Austria: Several satisfaction-related items*
- *Czech Republic: Expectation of Overall Living Situation changes (at the end of the module)*
- *France: Satisfaction with personal relations (specifically for Family and Friends) and Hobbies*
- *Hungary: Items on the Usefulness in society of professional and social groups including Self (at the end of the module)*
- *Poland: Verbal assessment of Life in General (at the end of the module)*
- *Portugal: Trust in Media (at the end of the module)*
- *Slovenia: Distance between work and residence and level of safety (PW220) generally and specifically after dark*
- *Sweden: Several items included*
- *Switzerland: Several Health, Leisure and Consumer behaviour items and Satisfaction items on living alone / with company*

The additions applied by Austria, Sweden and Switzerland are evidently more significant than those adopted by Poland, Portugal, the Czech Republic, Hungary (additional items placed at the end of AHM questionnaire), France and Slovenia (few additional items that are directly supplementary to existing ones) and could have had accordingly significant impact on the responses provided. However, no pattern on the quantitative findings for these countries indicates that such an impact is present.

The scales used for the module items were fairly standardised across countries but the respondents' perception of them is another source of bias that has to be considered. In absence of information from most participating countries the following account of issues encountered is limited to those mentioned by the countries that provided relevant information¹⁶.

The 0-10 scale that was used for all the satisfaction and trust items came instinctively more natural to countries that use this scale in other surveys (such as Hungary), while respondents from other countries tended to provide verbal answers, especially the elderly. The latter was particularly the case for countries that use the CATI selection mode (Slovenia, Finland etc.).

The instinctive use of a verbal evaluation clearly illustrates that the answers provided in a 0-10 scale are particularly affected by the respondent's perception of what "very satisfied" means. For Finland, respondents would avoid to provide a "10" as an answer as it is culturally associated to a utopic condition. At the same time the 0-10 scale can easily be confused with the 4-10 scale they are more familiar with¹⁷. To some respondents "7" was related to being "fairly satisfied" whereas to others it was closer to being "very satisfied" (Slovenia).

It is also interesting that the most impatient respondents and those who didn't fully understand an item would respond more often with a "0", a "5" or a "10" and even repeat the same answer to subsequent items. As Austria reports, this is also quite common among the elderly who required further explanation to be able to provide an answer in the 0-10 scale. "5" was a common answer to trust items PW130-PW150 for those who didn't understand the definition of the term "institution" or where reluctant to answer. In any case, the responses in 0-10 scale and

¹⁶ Finland, Slovenia, Hungary, Austria and Poland provided the majority of the information included.

¹⁷ Commonly used school grading scale in Finland.

the verbal description provided instinctively was again not consistent for both the satisfaction and the trust items.

Poland used an additional item asking for a verbal description of Overall Life Satisfaction. Cross-checking the verbal answers and the 0 – 10 scale answers, it is clear that there is some consistency but not significant correlation (table 22). For example, only 40,7 % of the respondents provided a “0” answer for PW010 and described themselves verbally as “very unsatisfied”.

Table 22: Overall life satisfaction (PW010) – Distribution of responses on verbal scale by numerical scale

		Verbal scale				
		Very unsatisfied	Unsatisfied	Neither satisfied or dissatisfied	Satisfied	Very satisfied
0-10 point numerical scale	0	40.7%	45.4%	13.0%	0.9%	0.0%
	1	18.0%	58.3%	15.8%	5.8%	2.2%
	2	6.7%	57.1%	32.6%	3.6%	0.0%
	3	2.4%	26.7%	62.6%	7.8%	0.4%
	4	1.4%	16.5%	65.0%	17.0%	0.2%
	5	0.2%	4.9%	50.2%	44.1%	0.6%
	6	0.1%	1.1%	42.4%	55.2%	1.3%
	7	0.2%	0.9%	24.0%	72.8%	2.2%
	8	0.2%	0.3%	7.0%	86.5%	6.1%
	9	0.3%	0.5%	2.4%	79.8%	17.0%
10	0.7%	0.1%	1.4%	58.8%	39.1%	

The differences in perception of the 0-10 scale, the difficulty in translating the maximum and the minimum values¹⁸ and the tendency to provide specific points (“0”, “10” and “5”) as answers, signals a potential source of bias. To address this issue, the satisfaction item answers were grouped in the frame of Data Analysis. The grouping classes were decided upon studying the responses distribution of the satisfaction items by country, with the objective of selecting a common grouping that would best suit all the countries¹⁹.

The average of the responses was also used for comparisons as apart from concentrating the responses distribution into a single number, it arguably has the property of cancelling out cases of “understatement” and “overstatement” of satisfaction items when expressed in the 0-10 scale.

The frequency scale (1. all of the time, 2. most of the time, 3. some of the time, 4. a little of the time and 5. none of the time) used for items PW050-PW090 is as sensitive to translation and interpretation as the items themselves. The definitions of happiness, calmness etc. are very abstract but also essentially quite close in meaning and subject to cultural and linguistic but also experiential and cognitive criteria. For instance, calmness might have a negative tone for energetic people, while “being nervous” might be confused with anticipation which might have a positive meaning. Translation from English to national languages may result to further confusion (this is particularly the case with Slovenia and Finland), especially since PW070 and PW090 have a similar positive meaning as PW060 and PW080 have a similar negative meaning. The relative proximity of the answers also depends on the wording used (see section X). Most commonly, category “some of the time” might partly overlap with categories “most of the time” and / or “little of the time” depending on wording.

¹⁸ This is particularly the case with classes “not worthwhile” and “completely worthwhile” for item PW020 (“Meaning of Life”)

¹⁹ Slovenia applied the following grouping for satisfaction and trust items: 1) 0-4, 2) 5-6, 3) 7-8, 4) 9-10 and 5) Unknown. Cyprus used 1) 0-3, 2) 4-6, 3) 7-10 and 4) Unknown. For comparability reasons, a grouping of 1) 0-5, 2) 6-8, 3) 9-10 was used to represent three levels of satisfaction (Low, Medium and High respectively). No grouping was applied for trust items in the frame of the Data Analysis.

In order to test the effect the scale has on the responses, Finland used a different scale²⁰ for two of the four panel waves. The results of the scales' testing showed that indeed the answer categories used have a great impact on the way respondents understand and respond to these items. It is interesting to note that for CATI sample selection, the alternative scale was considered more straightforward and resulted in significantly less perception issues.

Even more than the satisfaction items, items PW050-PW090 were affected by recent events and personal circumstances (family issues, trouble at work etc.). They also regularly required more time to consider an answer due to their abstract nature and their casual overlapping (someone could have been both happy and depressed lately etc.). Despite, however, these valid observations on the emotional affect items and the scale used to answer them, there is no indication that the scale itself has drawn the respondents into providing biased answers or that there was a systematic misunderstanding of what the items were about.

Similar issues are related to trust items, since familiarity with the term "institutions" and the way respondents could identify the political and legal system and the police as such vary within each country sample, whereas Trust in Others can be interpreted in many ways, especially in combination to the 0-10 scale used (an "8" might mean to "have absolute trust in 8 out of 10 people" or to "have maybe 80% of trust on average in all people" etc.) which is also inconsistent to the verbal description of the trust level when provided. In addition, responses in trust items may also have been highly dependent on recent events (Slovenia).

No grouping was applied for trust items in the frame of the Data Analysis as the distribution of the answers varied heavily among the participating countries. The country average only was used for comparison purposes, which also resolves the issue of perception variations in a similar way to the satisfaction items.

The most reported problematic item in terms of conception and response was PW020 on the Meaning of Life. Since the question didn't lead the respondents to consider what was meaningful to him, they often responded considering whether they thought their existence has a meaning to society (e.g. Finland and Austria). In considering the latter, Meaning of Life was strongly associated to employment and particularly to having a job. It is also important to consider that inherently what is important to oneself (or even what is that makes oneself important to society) is vastly open to interpretation.

Other issues the countries encountered with the module items were related to how broad or restricted the living environment (PW210) was perceived to be (Finland), or whether the Recreational and Green areas (PW200) are a part of this living environment or not (Austria). Moreover, Satisfaction from personal relationships was reported to be overstated (Austria).

²⁰ From the Finnish version of Eurobarometer (1. All of the time, 2. Most of the time, 3. Sometimes, 4. Rarely, 5. Never)

7 Questionnaire Analysis

To further enrich the qualitative assessment of the 2013 EU-SILC module data, an analysis of the wording used in various national languages was considered. Different wordings may have led to interpretation variations, affecting thus the quality of the module data.

To assess the extent to which wording variations exist, four (4) languages were used (German²¹, French, Greek²² and Lithuanian) to detect deviations from the English version of the questionnaire for the following five (5) module items:

1. *Overall life satisfaction (PW010)*
2. *Being happy (PW090)*
3. *Meaning of life (PW020)*
4. *Trust in the political system (PW130)*
5. *Help from others (PW180)*

This selection of module items (representative of the various types of items: satisfaction items, trust items etc.) and languages of different origin (likely related to wording / interpretation issues) is expected to provide a solid indication of quality issues that might have been caused by different wordings.

Paragraphs 6.1-6.5 contain the findings of the wording analysis. A number of deviations were indeed identified but none of them was associated to a measurable impact to the quality of the module data.

7.1 Overall life satisfaction

UK

Overall, how satisfied are you with your life nowadays?

Where nought is “not at all satisfied” and 10 is “completely satisfied”.

AT / DE

Both, the English and Austrian version of the questionnaire have an introductory clause to the module questions, which is not present in the German version due to the self-responding design. However, these introductory clauses differ clearly from each other in wording and structure. The English version emphasizes that there are no wrong or right answers and already includes information on the scale.

Next I would like to ask you some questions about your feelings on aspects of your life. There are no right or wrong answers. For each of these questions I'd like you to give an answer on a scale of nought to 10, where nought is “not at all” and 10 is “completely”.

A literal translation of the **Austrian** version would be:

Now, I would like to ask you some questions about your well-being and your satisfaction with various areas of life.

(Ich möchte Ihnen nun einige Fragen zu Ihrem Wohlbefinden und Ihrer Zufriedenheit mit verschiedenen Lebensbereichen stellen.)

²¹ For the analysis of the AT and the DE questionnaire.

²² For the analysis of the CY questionnaire.

The Austrian introductory clause is directly followed by the question on life satisfaction:

To begin with, asked very generally: How satisfied are you with your life overall?

Please answer the question on a scale from 0-10, where 0 stands for “not at all satisfied” and 10 for “completely satisfied”.

(Zunächst aber ganz allgemein gefragt: Wie zufrieden sind Sie mit Ihrem Leben insgesamt? Wie zufrieden sind Sie mit Ihrem Leben insgesamt? Bitte antworten Sie auf einer Skala von 0 bis 10, wobei “0” für “überhaupt nicht zufrieden” und 10 für “vollkommen zufrieden” steht.)

The German questionnaire asks directly without introductory phrase:

“Very generally asked, how satisfied are you with ...?” Answer the question on scale from 0 to 10, where 0 stands for “not satisfied at all” and 10 for “completely satisfied”.

...your life overall?

(Ganz allgemein gefragt, wie zufrieden sind Sie mit ...

Antworten Sie auf einer Skala von 0 bis 10, wobei “0” für “überhaupt nicht zufrieden” und “10” für “vollkommen zufrieden” steht Ihrem Leben insgesamt).

As distinguished from the Austrian and the German question on life satisfaction, the U.K. version asks for life satisfaction *nowadays*.

FR

The French question does not encompass the idea of “overall” life (life as a whole, i.e. considering all its different aspects). Apart from that, the question is quite similar to the English one.

In the French version, a scale from 0 to 10 is proposed to the respondents, while the English version is proposing a scale from “nought” meaning “not at all satisfied” (corresponding to the French “0” for “pas du tout satisfait”) to 10 for “completely satisfied” which fully matches the French “entièrement satisfait”. A “0” is probably a bit more directly interpreted, visually, than a “nought”, by respondents. This is probably why the English version is stipulating the following for the attention of the interviewers (page 325):

“A lot of the well-being questions need to be answered on a scale of 0 (nought) to 10. It is important to stress that the scale starts at nought, as it is easy for respondents to incorrectly assume that the scale runs from 1 to 10.”

GR (CY)

As far as Overall Life Satisfaction is concerned there is absolutely nothing in the wording that might cause an understanding issue in comparison to the English wording. The wording has the exact same meaning as the English version.

LT

In the Lithuanian version the questions on Overall life satisfaction start with the question *Overall, are you satisfied with...? Answer the question on scale from 0 to 10, where 0 stands for “not satisfied at all” and 10 for “completely satisfied*

...your life nowadays?

Ar apskritai Jūs esate patenkintas... Atsakykite pagal skalę nuo 0 iki 10, kur 0 reiškia visiškai nepatenkintas, o 10 reiškia visiškai patenkintas.

...savo dabartiniu gyvenimu?

The translation from Lithuanian “Ar” to English “Are” makes the question sound very direct in comparison to “How satisfied are you...”. Usually questions starting with the Lithuanian word

“Ar” are called close-ended questions and are answered with “Yes” or “No”. Therefore when asking respondents the question on Overall life satisfaction it is important to highlight the given scale, so that they could better identify their feelings about their life satisfaction.

7.2 Being happy

UK

How much of the time over the past four weeks have you been happy?

1. *All of the time*
2. *Most of the time*
3. *Some of the time*
4. *A little of the time*
5. *None of the time*

AT / DE

The affect questions are introduced in the Austrian questionnaire as follows:

Now, I would like to ask you about your Befinden (which is difficult to translate as it refers to (i) general condition, (ii) state of health, (iii) feeling and also (iv) opinion (less relevant here)) and your mood during the past four weeks

(Nun möchte ich Sie zu Ihrem Befinden und Ihrer Stimmungslage während der letzten vier Wochen befragen.)

The wording of the question is identical in the AT and the DE version of the questionnaire.

How often over the past four weeks have you been... happy?

(Wie oft waren Sie während der letzten vier Wochen ...glücklich?)

1. ...always (immer)
2. ...mostly (meistens)
3. ...sometimes (manchmal)
4. ...rarely (selten)
5. ...never (nie)

FR

The French version is worded in a quite similar way as the English version except for the 4th scale. *A little of the time* in the English version is translated into 4. *Rarement* (rarely) in the French version. The use of “rare” is less positive than “a little”. The use of e.g. “pendant peu de temps” would have been more positive and matched more closely the English version.

GR-CY

As far as Happiness is concerned:

- 1) In phrasing the question, “για πόσο χρονικό διάστημα” (roughly translates as “for how long” / “how much time space”) requires a duration as an answer, not a frequency. The answers also imply duration (“διαστημα” means “time space”), rather than frequency.
- 2) Values 3 “Sometimes” (“Κάποια χρονικά διαστήματα”) and 4 “Rarely” (“Για λίγο χρονικό διάστημα”) are more close in meaning than the proposed wording implies. “Κάποια” is in many contexts a close synonym to “Λίγα” which makes answers 3 and 4 hardly distinguishable.
- 3) Value 5 “Never” is too emphatic. The term “Ποτέ” usually extends to much greater time periods than four weeks. (“Καθόλου” would be perhaps a more appropriate word).

LT

In the Lithuanian questionnaire the wording “*paskutines 4 savaites*” translates to “*last 4 weeks*” where English wording “*past 4 weeks*” means “*praėjusias 4 savaites*” which refers to 4 weeks that passed some time ago (e.g. 4 weeks 2 months ago).

How much of the time over the past four weeks have you been...happy?

(Kiek laiko per paskutines 4 savaites buvote... laimingas (-a)?)

1. Consistently (Nuolatos)
2. Most of the time / Frequently (Dažnai)
3. Some of the time / Sometimes (Kartais)
4. Rarely (Retai)
5. None of the time / Never (Niekada)

In Lithuanian language the wordings “*All of the time*” translates to “*Visada*” which refers to the greater time periods, while “*Nuolatos*” – to the frequency of the discussed feeling over the certain time frame. The same is for the term “*Niekada*” = “*None of the time*”.

7.3 Meaning of life

UK

Overall, to what extent do you feel the things you do in your life are worthwhile?

Where nought is “not at all worthwhile” and 10 is “completely worthwhile”.

AT / DE

None of the two questionnaires (Austrian and German) has an introduction to the question, the question is asked in the Austrian as well as in the German questionnaire directly as follow up question to the satisfaction items (or more specific after the satisfaction item on the living environment).

Austrian Questionnaire:

To what extent do you have the feeling, that what you do in your life is valuable and useful? where “0” stands for “not at all valuable and useful” and “10” for “completely valuable and useful”.

(Inwiefern haben Sie das Gefühl, dass das, was Sie in Ihrem Leben machen, wertvoll und nützlich ist? “0” steht hier für “überhaupt nicht wertvoll und nützlich” und “10” für “vollkommen wertvoll und nützlich”).

German Questionnaire:

Do you usually have the feeling, that what you do in your life is worthwhile and valuable? Answer on a scale from 0 to 10, where “0” stands for “not at all valuable and useful” and “10” for “completely valuable and useful”.

(Haben Sie in der Regel das Gefühl, dass das, was Sie in Ihrem Leben machen, wertvoll und nützlich ist? Antworten Sie auf einer Skala von 0 bis 10, wobei “0” für “überhaupt nicht wertvoll und nützlich” und “10” für “vollkommen wertvoll und nützlich” steht.)

To be considered when interpreting the questions:

- 1) As there is no direct German translation for “*worthwhile*”, it is described in two words (“*valuable and useful*”). It differs from the model questionnaire but the Austrian and German question use the same words for describing “*worthwhile*”.
- 2) The Austrian question initiates with “*To what extent*” while the German question says “*Do you have...*”. Such a question format (“*do you have...*”) is normally used when a yes/no-

answer is provided. As the German questionnaire is based on a self-responding design and the respondents can see all the answer categories (from 0 to 10) this variation shouldn't make a difference for respondents in answering the question.

- 3) The German question refers explicitly to "*usually*" while the Austrian as well as the model questionnaire do not refer to a specific reference period.

In the Austrian question the answer categories "*don't know*" and "*refuse*" aren't offered to the respondents but can be coded by the interviewers if it's explicitly required by the respondents. The German question presents the category "*don't know*" explicitly, but visually besides the 0-10 answers (with a certain space to them) to make sure that it's noted as different sort of answer. This deviation between the Austrian and German question is due to the interviewer- (AT: CAPI, CATI) resp. self-administered (DE: PAPI) design of the questionnaire.

GR (CY)

As far as Meaning of Life is concerned there are two confusing translation points that might have affected the responses provided.

1. The labels attributed to the maximum and minimum of the scale roughly translate as "*complete meaning*" ("*πλήρες νόημα*") and "*without any meaning*" ("*χωρίς κανένα νόημα*") respectively. These statements put emphasis on the purposefulness of the things done in life, rather than on how worthwhile they feel to be
2. The question wording is confusing in a similar way as with the exception of the explanation inside the parenthesis ("*αξιζούν τον κόπο*" which translates precisely as "*are worthwhile*") the general impression is that the question is about the level to which the respondents think the things he does in life have meaning in terms of accomplishment or purpose.

LT

The Meaning of Life question is formulated well. However the wording "*kiek prasminga yra tai, ką veikiate gyvenime*" ("*to what extent do you feel the things you do in life are worthwhile*") can sound ambiguous to a respondent. Mentioning achievements in personal, family, social and professional life, could lead respondent to more concrete and objective identification of his / her feelings.

FR

In the French questionnaire, the question about the "*Meaning of Life*" is formulated in a different way as it refers to the usefulness of life. Translated literally, the question would be "*generally-speaking, to which extent do you feel that what you are doing in life has a value or is useful*"? The replies however only refer to the second half of the question, that is to the "*usefulness*" aspect, the scale ranging from "*0, is not useful*" to "*10, is useful*". Moreover, the magnitude of the scale of replies appears to be more limited than the English one where assessments may range from "*0, not at all worthwhile*" (which in French could have been the equivalent of "*not at all useful*" – "*pas du tout utile*") to "*10, completely worthwhile*" (which in French would have been the equivalent of something like "*completely useful*" – "*totalement utile*"). Given the limited possibilities to reply in French, respondents may find it difficult to interpret adequately the scale of replies. Intermediate replies such as e.g. "*not useful at all*" or "*a little useful*", "*moderately useful*", etc. would have made it easier for respondents to nuance their replies.

7.4 Trust in the political system

UK

How much do you personally trust the political system?

Where nought is “No trust at all” and 10 is “Complete trust”.

AT / DE

Only the Austrian questionnaire has an introduction to the module question, which is also provided in the model questionnaire in English although the wording differs slightly. In the German version an introduction is missing due to the self-administered design of the questionnaire.

Austrian Questionnaire:

I'll give you now some institutions. Please tell me for each of them, how much you personally trust her. Please answer again on a scale from 0 to 10, where “0” stands here for “don't trust at all” and “10” for “trust completely”.

(Ich nenne Ihnen nun einige Institutionen. Bitte sagen Sie mir zu jeder, wie sehr Sie ihr persönlich vertrauen. Antworten Sie bitte wieder auf einer Skala von 0 bis 10, hier steht “0” für “vertraue gar nicht” und “10” für “vertraue voll und ganz”).

The question on trust in the political system is asked in the Austrian as well as in the German questionnaire after the item on physical security. This order of the questions is also provided in the model questionnaire.

Austrian Questionnaire:

How much do you personally trust the political system in Austria?

(Wie sehr vertrauen Sie persönlich dem politischen System in Österreich?)

German Questionnaire:

How much do you trust the political system in Germany? Answer on a scale from 0 to 10, where “0” stands for “don't trust at all” and “10” for “trust completely”.

(Wie sehr vertrauen Sie dem politischen System in Deutschland? Antworten Sie auf einer Skala von 0 bis 10, wobei “0” für “vertraue gar nicht” und “10” für “vertraue voll und ganz” steht).

To be considered when interpreting the questions:

- 1) The Austrian as well as the model question uses the word “*personally*” which is missing in the German question. Apart from this both questions are formulated in the same way.

In the Austrian question the answer categories “*don't know*” and “*refuse*” aren't offered to the respondents but can be coded by the interviewers if it's explicitly required by the respondents. The German question presents the category “*don't know*” explicitly, but visually besides the 0-10 answers (with a certain space to them) to make sure that it's noted as different sort of answer. This deviation between the Austrian and German question is again due to the interviewer- (AT: CAPI, CATI) resp. self-administered (DE: PAPI) design of the questionnaire.

GR (CY)

As far as Trust in the political system is concerned, there is no wording issue that may have resulted in misunderstanding the scale used.

However, the wording “*εθνικά θεσμικά όργανα*” (“*national institutional instruments*”) instead of the simpler alternative “*θεσμοί*” (“*institutions*”) might have been confusing to the oldest / youngest participants as even though they are close synonyms, the term applied sounds excessively formal.

LT

In terms of wording issue the word “*institucija*” (“*institution*”) refers to a certain / specific organisation and a respondent might not refer to a system (in this case – political system). Therefore, would be good to explain that the term “*political system*” refers to a complete set of institutions (Government, The Parliament) and interest groups (the political parties, trade unions etc.)

Moreover, like mentioned before, the question starts with the word “*Ar*” which in English translates to “*Are*” and makes the question sound very direct in comparison to “*How satisfied are you...*”. Usually questions starting with the Lithuanian word “*Ar*” are called close-ended questions and are answered with “*Yes*” or “*No*”. Therefore when asking respondents the question on Trust in the political system it is important to highlight the given scale, so that they could better identify their feelings.

FR

The French questionnaire has translated the “*political system*” into a more comprehensive phrase, consisting of “*political institutions, and policy-makers and public officials*”. The scale of replies ranges from “*0, no trust*” (“*aucune confiance*”) to “*10, entire trust*” (“*entière confiance*”). There is no real difference with the English wording, except that “*no trust at all*” might be interpreted a bit more negatively than “*aucune confiance*”, which is the equivalent of “*no trust*”, by respondents. A phrase like “*pas du tout confiance*” or “*absolument aucune confiance*” would match more “*no trust at all*” by integrating “*at all*”.

7.5 Help from others

UK

Do you have any relatives, friends or neighbours that you can ask for help?

1. *Yes*
2. *No*
3. *(Spontaneous) Don't know*
4. *(Spontaneous) No friends, relatives or neighbours*

AT / DE

In all versions (Austrian, German and model questionnaire) the question is asked after the question on personal matters (anyone to discuss with). The question itself is exactly the same in the Austrian and the German version:

Do you have relatives, friends or neighbours that you can ask for help?

But the answer categories differ slightly. This difference is again due to the interviewer- (AT: CAPI, CATI) resp. self-administered (DE: PAPI) design of the questionnaire.

- In the Austrian question the answer categories “*don't know*” and “*refuse*” aren't offered to the respondents but can be coded by the interviewers if it's explicitly required by the respondents. Moreover there is a specific code for “*Don't have relatives, friends, neighbours*” which is only coded when the answer is given spontaneously by the respondents. The interviewers are encouraged not to read out loud this answer option.
- The German question presents the categories “*I don't know*” and “*I don't have any relatives, friends or neighbours*”. They are visually presented in exactly the same way as “*yes*” and “*no*”.

This deviation may result in (slight) differences in the answering process.

Austrian Questionnaire:

Yes; No; DON'T READ OUT LOUD: Don't have any relatives, friends, neighbours
(Ja; Nein; NICHT VORLESEN: Habe keine Verwandte, Freunde, Nachbarn)

German Questionnaire:

Yes; No; I don't know; I don't have any relatives, friends or neighbours.

(Ja; Nein; Ich weiß es nicht; Ich habe keine Verwandten, Freunde oder Nachbarn.)

GR (CY)

The translation is very close in meaning to the proposed version and the alternative answer categories are also straightforward.

LT

In the Lithuanian version this question is translated word in word as in English version. However, it is not very clear about what kind of help respondent is being asked. Explaining to what kind of help word “*help*” refers (e.g. material, financial, practical, moral, etc.) or reformulating the question to “*Ar turite giminių, draugų ar kaimynų, kurių galite prašyti bet kokios pagalbos?*” (Do you have any relatives, friends or neighbours that you can ask for **any kind of help?**), could give a clearer understanding of the word “*help*”.

Furthermore, answer categories slightly differs from English version:

1. Taip (Yes)
2. Ne (No)
3. Neturiu giminių, draugų ar kaimynų (Don't have relatives, friends or neighbours)
- 99 Nenurodė (Didn't specify)

There is no answer category “*Nežinau*” (Don't know).

FR

The French version is more specific in its formulation of the question by defining the type of help, which might be “*moral / morale*” or “*material / matérielle*”.

However, the replies offer a more limited choice to respondents, with only 3 possibilities of replies in French against 4 in the English version:

1. Yes / Oui
2. No / Non
3. Not applicable / Sans objet (has no family, no friends, no neighbours / n'a ni famille, ni amis, ni voisins)

The possibility of reply “*Don't know*” / “*Ne sais pas*” is not available in the French questionnaire. This should have a minor impact on the interpretation of the replies to that question (namely in terms of comparability across countries).

8 Conclusions

The data validation rules applied on the microdata of the 33 countries that participated in the 2013 EU-SILC ad-hoc module led to the following conclusions:

- *Consistency between the levels of the module items and the distinct classes of specific socioeconomic indicators is apparent (particularly for sex, age group at the date of the interview and for the classification for severe material deprivation and at risk of poverty, par. 2.1)*
- *Consistency among the levels of PW010: Overall Life Satisfaction and those of the other module items is apparent (High Overall Life Satisfaction is almost exclusively related to other high satisfaction / trust / safety levels and positive emotional evaluation levels, par. 2.2)*
- *Correlations among module items validate the theoretical expectations in measure (<0.8 in absolute value) and sign (positive or negative depending on the items involved, par. 2.3)*
- *The unit non-response level is high for some countries, especially for Croatia, Ireland, Malta and Italy (unit non-response rate $> 30\%$). For countries with unit non-response rate $> 10\%$, males generally present a significantly higher non-response rate than females, people aged between 16 and 24 present a significantly higher non-response rate than people 25 or older and people in education or training present a significantly higher non-response rate than people of different economic status. Both statistical inference and policy decision should be made on the basis that figures for these categories may contain bias, even though consistency checks were successful*
- *Non-response across items is, in general, uniform for all countries with the exception of items PW100 and PW110 for which a filter was applied*
- *“Do not know” answers are fairly homogenous both across module items and across countries and is generally lower than 5% of the respondents. Trust items are generally related to greater shares of “Do not know” answers*
- *The placement and the context (items / section that preceded / followed) of the module questionnaire as well as the wording used for the module items in different languages did not constitute sources of bias and thus did not affect the responses and the overall quality of the data*

The findings of the quantitative assessment presented in this document serve as an introductory statistical analysis considering that not all the results of the validation process of 2013 module data applying the abovementioned rules have been considered. Statistical analysis may highlight more complex item relations and further contribute to data validation.

The qualitative assessment performed provides a better understanding of the adequate level of harmonisation (standardisation) and comparability reached for the microdata delivered by the participating countries.

Overall, both Quantitative and Qualitative assessments presented in this document constitute a solid basis for the continuation of this work.

Annex 1: Frequencies of “filled” values for each variable by country (weighted values)

PW010: Overall life satisfaction

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.33	0.38	5.08	0.46	4.8	.	0.87	0.47	.	3.37	1.28
1	0.45	0.27	3.88	0.09	0.87	1.44	0.56	0.3	0.93	1.54	0.67
2	0.58	0.35	8.97	0.31	2.54	1.24	1.4	0.77	1.94	3.16	1.38
3	1.2	0.77	12.8	0.73	4.9	2.87	2.6	1.77	5.79	5.08	2.44
4	1.87	1.27	12.6	0.94	6.18	3.74	3	1.61	5.64	6.66	3.97
5	8.44	6.15	21	5.5	17.7	16.2	10.8	5.83	20.1	15.7	13.5
6	5.73	7.07	11.2	5.09	11.4	10.7	7.76	4.94	12.3	13.2	13.2
7	14.5	22.8	9.93	14.6	18.5	18.5	16.9	12.8	19.5	19.9	20.1
8	29	40	8.67	33.8	18.9	24.2	31.1	29.4	20.4	18.7	25
9	17.2	15.1	3.68	17.5	7.78	12.6	15.4	19	7.38	7.57	10.6
10	20.7	5.8	2.25	21.1	6.38	8.67	9.6	23.2	6.08	5.19	7.84
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
0	0.26	0.56	2.28	1.32	0.83	1.02	2.25	0.63	0.97	1.52	5.4
1	0.22	0.32	1.6	1.32	0.54	0.18	0.98	1.94	0.22	0.77	3.4
2	0.27	0.9	2.8	3.53	1.37	0.37	1.3	2.19	1.04	1.44	5.76
3	0.61	2.19	5.11	6.24	2.2	1.07	2.16	3.44	1.31	4.07	7.28
4	1.04	3.26	4.23	7.42	2.99	1.55	3.89	4.34	2.17	5.12	7.13
5	3.58	12.1	19.4	17.6	8.79	5.27	12.2	15.4	9.12	17.9	19
6	3.79	11.9	11.4	14.4	7.93	4.94	19	11.6	6.53	13.5	10.7
7	12.6	22.3	19.2	17.6	17.3	15.5	22.5	18.1	20.1	21.7	13
8	39.1	30.3	19	19	27.5	32	21.3	23.6	32.8	21.5	14.2
9	29.2	9.69	7.07	6.4	16.2	17	7.53	10.8	14.6	7.33	5.25
10	9.36	6.48	7.97	5.2	14.4	21.1	6.83	8.01	11.1	5.27	8.8
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
0	1.44	0.36	0.25	0.52	3.78	0.88	5.54	0.34	1.05	1.11	1.51
1	0.5	0.48	0.2	0.65	1.45	0.34	3.69	0.27	0.45	0.9	1.05
2	1.39	0.19	0.59	1.05	3.56	1.32	7.69	0.41	0.96	2.05	1.35
3	1.78	0.57	0.88	2.1	4.63	2.35	11.1	0.8	2.73	3.28	1.9
4	2.98	0.85	1.73	2.65	5.45	3.28	10.2	1.14	3.08	3.59	3.08
5	12.2	3.13	6.64	12.9	21.6	7.76	23.1	5.11	16.2	15.5	10.2
6	10.5	5.82	5.79	10.1	9.95	10.57	10.4	4.87	10.4	10.7	8.02
7	19.3	19.1	15.5	16.1	15.1	22.32	11.7	16.4	18.6	16.2	17.6
8	27.5	43.4	32.8	24.5	20.7	31.27	10.3	35.5	26.2	21.7	27.6
9	11	18.3	17.4	16.1	5.78	13.51	3.28	16.9	10.5	12.7	13.6
10	11.5	7.89	18.2	13.3	8.03	6.39	2.94	18.2	9.91	12.3	14.2

PW020: Meaning of life

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.6	0.4	1.36	0.31	1.19	.	1.06	0.2	.	1.88	0.56
1	0.17	3.33	1.28	0.13	0.33	0.73	0.77	0.21	0.37	1.26	0.25
2	0.64	0.72	4.01	0.35	0.89	1.06	1.85	0.56	1.09	2.18	0.6
3	1.2	0.75	7	0.57	2	1.93	2.82	1.2	2.41	3.52	1.15
4	1.59	0.9	10.3	0.81	3.68	2.27	2.7	1.29	2.69	5.08	2.14
5	7.42	3.97	19.1	5.96	9.63	9.87	8.87	4.03	12	12.3	7.83
6	7.04	5.37	12.7	5.82	11	8.22	7.56	4.22	8.47	13.4	11.3
7	15	18.1	11.7	19.5	19.3	17.2	15.3	11.6	17.1	21.7	19.4
8	27.2	35.8	14.5	35.9	26.8	26.7	28.1	30.2	24.6	21.8	27.3
9	13.5	18.2	8.24	14.4	16.3	15.2	17.2	21	14.3	10.2	15
10	25.7	12.4	9.88	16.2	8.98	16.8	13.8	25.4	16.9	6.6	14.5
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
0	0.23	0.94	0.93	0.39	0.46	0.37	0.86	0.45	0.3	0.84	2.83
1	0.16	0.29	1.22	0.45	0.24	0.09	0.58	0.96	0.11	0.33	1.88
2	0.24	1.02	1.12	1.58	0.82	0.38	0.77	1.25	0.31	0.81	4.4
3	0.3	1.7	2.81	2.92	1.41	0.66	1.15	1.69	0.66	1.67	6.72
4	0.57	2.57	3.1	4.36	2.05	0.86	2.32	2.54	0.88	2.47	7.52
5	2.49	10.9	14.6	12	6.28	3.37	7.6	9.75	4.03	8.67	16.9
6	3.45	12.2	11.1	12.8	7.44	4.28	17.2	9.52	5.26	10.2	11.6
7	16.5	25.1	17.8	17.6	16.6	12.7	21.2	18.3	16.9	21.3	16.1
8	42	28	23.1	25.4	30.3	33.4	23.4	26.5	32.2	25.4	18.1
9	26.4	8.99	11.2	10.5	17.6	18.6	10.2	14.1	19.9	15	6.38
10	7.69	8.38	13.1	11.9	16.9	25.3	14.8	15	19.5	13.3	7.63
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
0	0.28	0.22	0.17	0.24	1.01	0.81	1.34	0.49	0.45	0.61	0.78
1	0.13	0.21	0.24	0.32	0.44	0.41	1.1	0.95	0.27	0.26	0.38
2	0.52	0.16	0.34	0.81	1.13	0.83	2.27	0.57	0.38	0.99	1.15
3	0.56	0.31	0.82	1.77	1.81	1.49	4.51	0.92	0.81	1.21	1.4
4	0.88	0.86	1.13	2.85	2.64	2.15	5.03	1.55	0.99	1.93	2.07
5	4.44	2.76	4.94	8.74	12.2	6.63	13.2	5.4	8	10.6	7.12
6	6.4	6.51	6.1	9.35	9.57	9.31	9	6.29	6.68	8.81	7.27
7	17.9	26.7	15.8	16	15.4	24.51	14.6	18.1	15.5	17.6	16.9
8	29.8	42.5	30.9	25.1	23.7	33.64	18.8	29.9	29.9	27	27.3
9	19.6	13.4	17.8	17.7	10.6	13.89	11.1	15.3	15	14.4	16.2
10	19.5	6.3	21.7	17.1	21.6	6.32	19	20.5	22	16.7	19.4

PW030: Satisfaction with financial situation

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	2.06	1.13	10.8	1.48	7.41		3.04	0.95		11.8	3.11
1	0.95	0.55	9.14	0.23	1.71	4.6	2.37	0.81	2.77	5.15	1.62
2	1.69	1.7	13.2	0.84	5.31	4.27	4.33	1.8	6.7	9.23	3.65
3	3.41	2.5	16.1	1.37	9.11	6.35	5.91	3.06	12.9	11.2	6.16
4	3.58	4.34	13.7	2.48	9.09	7.46	6.67	3.35	11.3	11.5	8.82
5	13.2	9.22	15.6	8.63	20.2	18.3	13.7	7.26	21.1	17	19.2
6	9.45	12	8.14	8.26	13.1	13.3	10.1	6.6	12.7	11.7	17.4
7	16.4	22.3	5.78	18	16.1	16.9	14.8	14.2	13.8	11.1	17.5
8	23.2	30.1	4.84	26	12	16.5	20.4	24.6	11.2	7.57	15.2
9	10.9	11.4	1.64	11.8	3.2	7.2	10.8	14.5	4.13	2.4	4.88
10	15.1	4.65	1.12	21	2.73	5.13	7.93	22.9	3.41	1.39	2.48
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.57	1.22	7.27	3.02	5.88	4.34	4.82	0.97	2.32	4.43	12.1
1	0.59	0.85	5.5	3.57	3.86	1.42	2.07	3.75	0.48	2.16	6.35
2	0.88	2.54	10	7.76	7.16	2.71	2.91	4.83	1.83	6.46	9.43
3	1.53	3.92	12.2	10.6	7.59	4.51	5.21	6.92	3.53	12.5	9.65
4	2.84	6.01	9.6	9.99	8.24	5.88	8.26	8.65	4.49	10.9	7.09
5	5.87	15.8	19.9	18.3	16.5	14.6	16.5	16.9	11.7	22.1	18
6	7.39	15.5	9.71	14.8	10.5	11.7	21.9	15.3	9.49	13.9	9.59
7	18.8	21.6	11	13.1	13.1	16.8	19	18.4	17.9	14.3	10.2
8	33	22.4	8.77	12.4	15	19.6	13.4	15.6	26.8	9.34	8.92
9	20.2	6.31	3.45	3.86	6.42	7.42	3.26	5.05	12.3	2.74	3.7
10	8.43	3.89	2.55	2.55	5.82	11	2.68	3.74	9.28	1.29	5.01
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	2.88	0.51	0.63	3.53	9.92	2.15	10	1.2	4.26	4.46	4.73
1	1.45	0.38	0.83	4.11	3.6	1.03	8.49	0.54	1.91	2.82	2.19
2	3.23	0.94	1.07	5.27	9.08	3.08	11.8	1.39	4.41	5.91	3.87
3	4.56	1.34	2.18	7.33	11.1	5.14	13.9	1.95	8.33	8.01	5.25
4	6.94	2.49	2.83	8.16	10.5	6.43	10.6	2.92	7.93	7.91	6.55
5	17.9	5.28	8.66	17	22.8	12.35	18.8	7.82	21.1	20.6	13.8
6	15.9	11.6	8.19	12.6	9.84	16.53	8.3	6.79	13.5	12.4	10.3
7	20.3	23.4	15.8	14.4	10.4	24.06	8.15	15.8	17.1	13.9	15.7
8	17.8	32.2	26.7	14.7	8.98	21.2	6.36	26.1	13.6	13.7	19.1
9	5.17	14.4	15.1	7.82	1.7	5.79	1.99	14.2	4.22	5.81	8.76
10	3.87	7.57	18.1	5.16	2.15	2.25	1.62	21.3	3.65	4.54	9.74

PW040: Satisfaction with accommodation

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.74	0.31	1.78	0.31	0.93		0.79	0.1		1.53	0.77
1	0.35	0.1	1.71	0.08	0.22	0.99	0.93	0.38	0.69	1.61	0.29
2	0.68	0.46	4.8	0.29	1.11	1.13	1.79	0.92	1.52	2.79	0.81
3	1.35	0.82	7.51	0.62	1.95	2.06	2.91	1.09	4.16	4.5	1.73
4	1.79	1.54	10.7	1.34	2.23	2.35	3.06	1.3	4.06	6.01	2.63
5	6.35	4.08	19.7	3.88	7.17	9.79	8.47	4.62	13.2	13.2	9.53
6	4.69	6.46	12	5.12	7.3	7.29	7.65	4.83	10.2	12.9	12.3
7	10.2	18.2	11.2	12.1	16	13.3	12.7	10.6	17.6	17.9	20.4
8	20.4	36.6	12.3	24.4	28	24.2	23.9	22.8	23.6	20.5	27.8
9	16.5	21.9	7.93	20.6	18.7	16.9	19.9	18.5	11.6	10.4	13.6
10	37	9.48	10.3	31.3	16.4	22	17.9	34.9	13.4	8.67	10.2
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.11	0.42	1.5	0.63	0.96	0.53	0.97	0.31	0.89	1.13	2.89
1	0.19	0.15	1.56	0.95	0.55	0.23	0.5	1.19	0.31	0.74	2.31
2	0.28	0.84	2.07	2.27	1.19	0.8	0.99	1.54	0.89	1.78	4.13
3	0.39	1.45	3.84	4.13	1.41	1.39	1.55	2.22	2.06	4.91	5.38
4	0.85	2.02	4.5	5.52	2.51	1.82	3.23	3.74	1.58	5.76	4.57
5	2.4	7.26	15.1	13.4	5.56	5.88	7.55	8.78	5.72	16.2	14.8
6	3.3	9.09	9.19	11.9	5.75	5.31	16.6	10.3	6.66	12.5	9.16
7	9.98	20	16.5	16.5	10.9	11.9	21	17.2	13.4	18.8	12.7
8	28.4	32.2	21.9	24	23.2	24.9	25.2	24.2	30.2	21.4	18
9	33.3	15.2	9.51	11	18.8	17.5	9.93	15.1	19.1	9.68	7.5
10	20.8	11.4	14.4	9.72	29.1	29.8	12.5	15.6	19.3	7.09	18.6
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	0.46	0.19	0.26	0.85	1.82	1.17	2.27	0.33	0.69	0.78	0.87
1	0.35	0.1	0.13	1.17	0.83	0.43	1.66	0.27	0.35	0.74	0.46
2	0.71	0.29	0.56	2.03	1.86	1.13	3.39	0.65	0.96	1.74	0.92
3	0.92	0.26	0.96	2.97	2.67	2.39	6.51	0.85	2.2	2.55	1.35
4	1.65	0.68	1.96	3.68	3.16	2.73	7.75	1.68	2.4	2.53	2.09
5	6.15	2.05	5.45	10.6	12.4	6.67	19.1	5.47	10	10.2	6.74
6	6.27	5.17	6.98	8.67	7.68	8.42	11.6	5.15	8.14	8.07	6.07
7	15.4	17.2	15.6	13	14.5	16.98	14	13.3	13.6	13.1	13.2
8	28.8	39.4	28.1	20.7	23.3	31.46	15.8	23.1	25.4	21.9	23.9
9	18.6	21.6	17	18.2	12.2	18.88	8.78	16.6	14.1	15.5	18.6
10	20.8	13.1	23.1	18	19.7	9.74	9.21	32.7	22.1	22.9	25.8

PW050: Being very nervous

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	1.97	5.54	3.43	2.44	9.13	3.01	1.38	1.26	2.92	8.02	4.68
2	9.14	16.3	9.98	7.34	14.3	14.9	8.09	4.53	10.4	12.9	15.8
3	28.8	37.5	23.3	28.3	27	39.6	36.7	13.8	34.3	20.7	32.5
4	35.7	26.3	37.8	44.3	32	31.5	39.5	30.8	36.1	34.1	23
5	24.4	14.4	25.4	17.6	17.5	11	14.4	49.6	16.2	24.3	24
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
1	1.95	6.89	3.96	3.33	1.45	1.32	5.47	1.18	6.04	3.15	5.56
2	8.69	14.9	13.9	12.7	4.14	4.11	14.1	11	15.1	9.47	11.6
3	33.6	38.4	46.1	32.3	16.8	18.1	32	30	36.3	26.7	30.2
4	38.5	22.6	26.8	38	22.5	35.4	33	38.5	25.8	37.8	34.3
5	17.2	17.2	9.24	13.7	55.1	41.1	15.4	19.4	16.8	22.9	18.4
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
1	4.58	2.24	0.68	1.84	11	0.98	4.23	1.97	2.04	1.44	2.49
2	14.9	8.75	1.71	9.36	19.6	4.97	14.5	5.25	10.3	9.67	6.7
3	28.6	25.2	5.59	30.5	30.8	28.61	25.4	19.2	36.5	42.9	22.2
4	38.9	33.4	27.2	45.5	25.3	48.89	30.3	27.6	32.3	34.5	25.1
5	13.1	30.4	64.9	12.8	13.3	16.54	25.6	46	18.9	11.5	43.5

PW070: Feeling calm and peaceful

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	16.3	10	6.85	14.2	7.25	5.72	5.05	17.9	7.89	6.52	13.4
2	56.2	48.6	37.2	56.3	40.7	45.8	61.6	47.8	54.1	24.1	41.7
3	16.5	25.9	32.2	21	28.4	36.3	18.4	19.4	24.9	24.7	28.3
4	9.6	12.1	19.9	7.43	19.7	11.3	12.9	10.8	10.9	32.4	12.5
5	1.43	3.43	3.91	1.18	3.93	0.91	2.05	4.2	2.27	12.3	4.16
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
1	10.6	8.82	4.45	8.03	12.8	34.5	12.2	22.4	9.25	14.2	14.6
2	67.7	40.7	37.2	54.9	53.7	45.4	38.6	54.1	49.8	46.2	36.5
3	15.6	29.7	41.3	20.4	23	11.5	31.8	18.5	22.7	30.6	33.7
4	5.35	15.1	15.2	14.9	7.63	5.71	12.9	4.69	13.7	7.6	10.6
5	0.81	5.71	1.84	1.77	2.9	2.85	4.48	0.3	4.61	1.4	4.48
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
1	10.8	23.5	21.1	11.8	12.9	7.24	12	22.3	8.6	6.72	9.65
2	43.6	56.1	52.2	62.1	32.1	44.11	40.6	56.7	58.6	59.2	46
3	25.8	13.6	18.4	16.8	26.3	29.06	29.6	15	24.1	24.3	28.3
4	16.9	5.12	7.17	8.12	22.7	16.91	13.6	4.36	7.31	9.08	11
5	2.99	1.71	1.18	1.12	5.99	2.68	4.21	1.64	1.34	0.66	5.08

PW060: Feeling down in the dumps

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	0.83	1.82	2.87	0.87	6.16	1.39	0.75	0.72	0.92	5.62	2.12
2	4.94	6.25	8.04	2.69	12.6	9.09	5.45	2.1	5.45	10.7	7.91
3	18.3	26.5	17.5	11	23.1	32.1	21.5	9.32	17.9	16.6	21
4	27.6	32.8	31.4	29.7	27.7	38.8	34.2	16.3	28.5	30.5	19.4
5	48.4	32.6	40.2	55.8	30.5	18.6	38.1	71.5	47.3	36.6	49.6
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
1	0.48	2.59	2.53	1.55	1.18	0.56	2.99	0.67	2.46	1.32	3.95
2	2.6	6.99	7.89	7.97	4.4	1.99	7.99	9.83	9.14	5.15	7.84
3	13.7	24	34.4	24.5	19.1	9.31	25.9	36.7	29.2	17.4	22
4	31.3	25.5	32.7	36.6	22.7	21	33	39.2	25.8	31.8	29.4
5	52	40.9	22.5	29.4	52.7	67.2	30.1	13.6	33.5	44.4	36.9
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
1	1.85	0.9	0.25	0.95	4.49	1.04	1.75	0.72	0.49	0.43	1.84
2	6.31	4.15	1.11	4.63	12.2	5.72	5.53	1.9	3.24	3.37	5.13
3	19.3	12	3.96	13.9	23.3	26.1	12.5	7.97	13.9	18.2	16.6
4	34.9	22.3	11.1	35.5	25.5	46.67	20.2	12.8	20.4	27.6	20.5
5	37.7	60.6	83.6	45	34.5	20.47	60	76.6	62	50.4	56

PW080: Feeling downhearted or depressed

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	0.89	1.79	2.32	0.93	6.32	1.28	1	1.14	1.13	5.41	1.97
2	4.87	5.97	8.34	2.74	15.8	7.6	6.35	3.17	4.5	9.08	8.49
3	21.8	25.2	17	14.3	32.2	26.4	30.9	11.7	18.8	15.4	23.2
4	40.5	30.7	32.3	32.8	30.5	40.9	43.4	28.6	29.5	29.1	23.5
5	32	36.4	40.1	49.2	15.2	23.8	18.3	55.4	46.1	41	42.9
FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME	
1	0.58	2.2	1.72	1.56	1.2	0.96	3.16	0.93	1.94	1.05	2.8
2	3.39	7.2	5.84	9.5	4	2.96	8.45	10.2	6.14	3.76	6.07
3	19.4	29.4	30.3	27.4	17.6	18.2	29.4	44.2	20.3	11.4	16
4	39.5	27.4	34.2	41.3	26.1	44	35	36.5	24.9	23.8	23.7
5	37.2	33.8	28	20.2	51.1	33.9	24	8.15	46.8	60	51.5
MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK	
1	1.59	0.69	0.66	0.89	4.16	1.32	1.69	0.97	0.4	0.34	1.9
2	5.14	5.68	2	5.26	13.6	5.19	4.77	3.01	2.72	4	5.48
3	12.9	20.8	8.07	19.9	28.5	24.14	11	14.7	14	19.8	17.9
4	27.3	27.7	36.7	41.4	33	41.28	20.9	27.8	22	30.3	23.5
5	53.1	45.2	52.5	32.6	20.8	28.08	61.7	53.5	60.9	45.6	51.3

PW090: Being happy

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	14.1	14.8	5.54	13.8	9.17	6.73	5.87	15.7	5.87	6.44	19.1
2	57.2	57.8	29.2	61	40.6	38.6	56.1	59.4	38.7	25.2	44.1
3	21.3	21	36.4	19.7	33	41.8	25.3	17.5	36.2	27.7	27.7
4	6.37	5.35	23.3	4.53	14.8	11	10.6	6.46	13.9	29.9	7.05
5	1.12	1.07	5.63	1.03	2.52	2	2.04	0.95	5.29	10.8	2.01
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
1	11.2	12.4	4.69	8.49	13.6	22.5	11.3	9.87	13.6	5.44	17.6
2	66.1	50.1	33.2	48.5	61.6	58.9	33	38.1	61.6	25.9	38.9
3	17.4	27.5	47	26.3	19	13.3	38	36.7	18.3	40.3	31.9
4	4.23	7.61	13.2	14.2	4.7	4.24	13.1	12.7	5.12	20.6	8.72
5	1.07	2.39	1.88	2.64	1.2	1.03	4.58	2.68	1.42	7.78	2.76
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
1	14.9	21	12.2	13.3	16.6	5.72	12.7	15.1	11.7	7.81	13.2
2	52.7	61.2	56.7	54.4	34.8	33.37	30.8	53.4	53.7	51.2	55.4
3	21.9	13.3	24.3	20.8	28.9	35.48	34.4	23.6	26.6	32	23
4	8.98	3.06	6.29	9.81	14.8	20.95	16.5	5.26	6.42	8.05	6.42
5	1.49	1.55	0.63	1.77	4.93	4.48	5.59	2.66	1.58	0.99	2.02

PW100: Job satisfaction

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.36	0.56	1.1	0.44	1.73		1.34	0.06	0.29	2.98	1
1	0.2	0.12	1.34	0.19	0.48	0.98	1.46	0.53	0.34	1.71	0.5
2	0.56	0.77	3.3	0.47	1.39	1.37	2.69	0.87	1.62	3.69	1.7
3	1.11	0.78	8.43	0.81	3.02	2.45	3.78	1.2	3.16	5.53	2.96
4	1.82	1.61	11.7	1.62	3.87	2.53	4.49	1.49	2.89	6.91	3.9
5	6.19	4.65	21.8	4.95	9.49	11.7	10.5	4.98	10.1	16.9	11.5
6	6.64	9.34	12.4	6.98	9.45	9.19	10.5	5.99	10.1	13.5	14.9
7	16.2	22.2	11.9	16.9	17	17.1	16.4	11.7	19.4	17.7	20.5
8	24.7	37	11.9	31.1	25.4	25.1	23.8	28.3	25.6	17.1	23.7
9	17.9	17.3	7.92	16.4	16.5	16.1	15.9	21.1	14.7	8.96	11.6
10	24.3	5.76	8.23	20.2	11.7	13.5	9.1	23.8	11.8	5.08	7.85
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.13	0.64	0.95	0.83	1.04	0.46	1.45	0.19	0.78	0.55	2.22
1	0.1	0.34	2	0.71	1.92	0.4	0.85	1.14	0.6	0.52	1.41
2	0.56	1.26	1.77	1.86	1.34	0.64	1.38	0.75	0.96	0.77	2.48
3	0.45	1.84	3.62	2.73	2.22	1.22	1.83	1.95	1.83	2.34	3.85
4	1.15	2.77	3.06	3.47	3.47	1.49	3.51	2.16	2.25	2.91	3.62
5	2.27	8.66	14	11.3	9.96	4.68	8.48	8.79	8.08	10.2	16.6
6	4.17	12.4	9.33	12	9.29	5.67	16.5	9.21	8.23	11.1	9.53
7	17	22.5	17.1	17.1	18.9	13.4	22.3	18.9	20.1	20.4	13.7
8	33.5	29.8	22.5	26.8	23.5	29.2	23.3	27.3	26.7	25.4	18.8
9	29.9	12	13.1	12.5	12.5	21	9.9	15.7	17.2	15.3	9.28
10	10.8	7.78	12.5	10.7	15.9	21.9	10.5	14	13.3	10.5	18.5
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	1.5	0.58	0.16	0.69	1.22	2.67	3.24	0.57	0.85	0.69	2.92
1	0.43	0.14	0.15	0.98	0.7	0.42	2.62	0.31	0.35	0.62	1.03
2	1.15	0.23	0.32	1.72	2.23	1.58	5.71	0.94	1.46	1.68	1.98
3	1.63	0.62	0.92	2.45	3.58	2.22	7.77	1.46	2.7	2.56	2.74
4	2.2	1.1	1.25	3.47	4.44	2.58	6.43	2.49	2.85	3.62	4.1
5	6.09	2.77	4.44	10.5	13	7.92	15.8	7.22	11.1	13.1	9.63
6	7.81	8.02	6.59	9.97	10.3	10.12	10	8.39	9.08	9.91	9.79
7	18.9	23.6	15.4	16.6	16.2	21.19	13.3	17.7	17.8	16.7	16.5
8	32.3	40.1	31.6	21.7	23.9	30.7	16.2	27.1	24.7	21.9	23.3
9	14.2	16.9	19.3	17.5	10.3	14.07	9.27	16.5	13.9	13.8	13.6
10	13.8	5.96	19.8	14.5	14.2	6.52	9.51	17.3	15.2	15.4	14.5

PW110: Satisfaction with commuting time

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.59	1.08	1.13	0.53	0.97		1.7	0.5	0.74	2	1.11
1	0.57	0.41	1.79	0.26	0.36	1.19	1.77	0.73	0.84	1.19	0.69
2	0.99	1.33	3.66	1.07	1.53	1.4	3.4	1.35	1.92	3.82	1.96
3	2.77	2.12	9.28	1.34	2.61	2.37	3.51	2.03	4.57	5.52	3.26
4	2.44	3.08	11	1.99	3.22	3.37	3.91	2.02	4.1	5.54	4.7
5	8.59	6.61	20.6	5.67	11.4	11.6	8.06	6.37	10.6	15.6	9.74
6	5.92	9.59	12.5	6.31	10	9.31	6.76	4.91	9.36	12.1	11.9
7	11	14.3	11.4	11.6	16.3	13.3	9.02	8.56	12.8	17	17.6
8	16.5	22.6	11.9	18.9	20.5	20.5	15.5	14.5	16.8	15.8	21.9
9	13.2	19.7	6.96	12.6	16	14.8	18.3	14.9	14.1	10.8	13.2
10	37.5	19.2	9.86	39.7	17.1	22.2	28	44.2	24.2	10.7	14
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.54	0.99	1.45	1	1.48	1.08	1.51	0.06	0.58	0.52	3.49
1	0.5	1.01	2.23	0.7	0.83	0.34	0.98	0.82	0.66	0.43	2.31
2	1.2	2.17	2.07	2.09	1.35	1.27	1.86	1.25	2.06	1.49	4.33
3	1.21	2.92	2.82	3.34	2.13	1.56	2.52	1.79	2.3	3.43	5.14
4	2.36	3.78	3.22	4.3	2.73	2.18	4.17	2.62	2.76	4.06	5.16
5	4.88	8.65	12	10.6	5.81	7.58	10.3	7.94	7.5	12.6	18.3
6	5.27	8.54	7.82	12.2	5.18	4.33	17.4	9.19	7.55	11.7	9.58
7	11.2	13.1	14.1	15.6	8.69	7.84	17.7	16.5	13.2	14.2	12.6
8	17.5	19.8	20.2	22.1	18.7	16.4	19	22	20.4	20.5	15.3
9	25	15.3	12	11.6	17.5	15.7	9.22	15.1	16.2	14.1	6.66
10	30.3	23.7	22.1	16.6	35.6	41.7	15.3	22.8	26.8	16.9	17.2
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	2.59	0.41	1.02	0.9	1.29	3.9	1.98	1.24	0.85	0.88	3.24
1	2.69	0.1	0.73	0.99	0.63	0.26	1.83	0.75	0.8	1.02	1.49
2	3.98	0.18	1.66	2.17	1.84	1.44	3.38	1.58	1.71	2.33	2.13
3	4.89	0.94	2.36	3.51	2.95	1.87	6.11	2.83	2.56	3	2.94
4	6.04	1.69	2.7	3.97	3.53	2.3	6.62	3.04	2.16	3.58	2.97
5	10.5	4.1	6.82	8.69	11.4	7.24	13.2	9.32	10.8	13.1	8.52
6	10	8.51	3.9	8.44	6.49	8.04	8.75	5.42	6.66	8.61	6.28
7	14.7	17.8	8.15	11.6	10.5	19.46	11.7	10.1	10.3	12.5	11
8	20.5	26.7	16.1	18.4	21.7	28.57	16.6	14.4	17.9	19.8	17.3
9	12	19.9	11	18.5	13.2	17.93	12.2	12.3	15.3	14.8	14.5
10	12.1	19.7	45.6	22.9	26.5	8.99	17.6	39.1	31	20.5	29.7

PW120: Satisfaction with time use

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	1.04	1	1.91	1.67	3.25		1.57	0.26		2.83	2.19
1	0.91	0.46	2.25	0.31	0.79	2.25	2.4	0.42	0.78	1.28	1.06
2	2.01	1.65	6.09	2.12	2.66	3.45	4.83	1.38	2.29	3.33	2.91
3	3.59	2.49	9.1	4.86	4.26	4.96	6.17	2.35	5.89	5.08	4.49
4	4.24	3.94	12.3	5.33	4.95	5.57	5.8	3.63	6.29	6.95	5.48
5	11.5	8.35	19.8	13.2	12.2	15.3	12.6	9.33	17.8	16.7	13.6
6	8.33	11.5	10.9	9.52	12.8	11.6	9.47	6.68	11.2	15.2	13.1
7	13.3	20.8	10.8	15.3	16.8	13.6	13.4	13.6	15	19.3	17.1
8	19.8	28.3	12.2	21.9	18.4	19	19.6	20.3	18.6	17.7	18.9
9	10.6	13.7	6.38	5.07	11	10.4	12.3	11.1	8.78	7.49	10.2
10	24.7	7.75	8.2	20.8	13	13.9	11.9	31	13.4	4.09	11
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.34	1.23	2.63	1.21	1.84	1.29	2.45	0.83	1.12	0.75	4.37
1	0.47	0.71	2.68	0.96	1.98	0.39	1.16	1.48	0.88	0.3	1.81
2	1.11	2.79	2.74	3.04	2.68	2.41	2.41	2.93	2.11	0.9	4.54
3	1.78	3.84	4.22	5.71	4.12	2.79	3.33	4.19	3.17	2.63	5.36
4	2.82	5.18	5	7.42	5.2	4.49	5.43	4.99	4.58	3.43	5.62
5	5.99	11.8	16.2	16.7	12.8	10.7	13.4	11.2	10.6	12.8	17.5
6	7.73	11.3	10.7	15.2	8.7	8.19	19.9	13.6	9.7	11.6	9.03
7	16.5	16.4	14.4	15.8	13.7	14.7	19.7	18.3	14.5	20.9	11.1
8	27.3	23	17	18.7	19.9	20.1	18.7	20.6	23.3	25.3	14.7
9	19.6	10.7	9.17	6.82	11.7	9.55	6.45	9.84	12.6	11.3	4.95
10	16.3	13	15.3	8.49	17.4	25.4	7.12	12.2	17.4	10.1	21
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	2.93	0.17	0.51	0.85	2.84	1.77	2.88	0.63	1.59	1.15	2.02
1	1.28	0.04	0.6	1.33	1.47	0.59	2.58	0.42	1.05	0.87	1.44
2	3.9	0.37	2.02	2.91	3.7	2.09	5.48	1.51	2.42	2.79	3.43
3	3.9	0.49	3.88	5.3	5.28	2.98	7.94	3.29	5.42	4.18	4.75
4	6.79	1.5	5.01	5.77	5.91	4.29	7.73	4.86	5.23	4.68	5.46
5	12.2	3.28	12.5	13.7	16.3	10.21	14.3	11.7	13.9	15.7	12.2
6	11.3	9.85	10.4	10.2	9.77	11.51	9.54	8.97	9.54	11.2	9.57
7	14.6	28.4	14.8	13.5	12.2	21.95	12.6	15.6	14.2	14.2	13.6
8	19.7	36.9	20.1	18.7	18.7	26.58	15	20.6	22	18.6	18.6
9	11.7	13	10.3	14.4	7.72	11.71	8.9	9.41	9.11	10.5	10.6
10	11.8	5.93	20	13.4	16.2	6.3	13.1	23	15.6	16.1	18.4

PW130: Trust in the political system

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	11.6	9.69	24.9	2.62	36.2		6.87	4.26		46.1	48.1
1	3.56	3.16	14	0.36	5.51	22.5	5.15	1.56	7.35	8.87	7.08
2	8.06	6.62	15	1.51	8.37	13.2	8.35	3.98	12.4	10.6	9.82
3	10.7	8.61	14.3	2.61	11.3	14.5	10.6	4.82	17.9	9.49	8.86
4	10.3	11.1	10.7	4.52	8.57	10.9	8.34	7.05	11.8	6.12	7.87
5	24.4	23.5	10.5	17.9	18.4	17.6	17.8	20.5	24.9	7.96	10.9
6	10.8	18.1	3.6	12.5	5.75	7.83	10.8	12.3	10.1	4.25	3.6
7	10.3	13.3	2.55	21.6	3.63	7.06	13	17.6	9.07	3.85	2
8	6.53	4.94	2.33	23.8	1.54	4.25	12.5	18.4	4.22	1.76	1.13
9	1.6	0.55	1.04	5.16	0.23	1.43	4.45	5.39	1.2	0.37	0.34
10	2.25	0.5	1.09	7.42	0.42	0.66	2.18	4.1	1.05	0.65	0.31
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	4.33	22	22.2	9.14	23.9	20.4	43.2	5.23	10.4	18.6	18.4
1	1.64	6.79	10.3	4.55	6.92	4.39	8.59	7.53	2.61	5.86	5.16
2	3.02	13.3	15.6	9.35	13.4	9.66	9.73	9.83	4.75	10	6.47
3	3.24	13.6	14.8	11.5	9.6	10.4	8.55	10.9	6.37	14.4	6.76
4	6.26	12.6	8.84	10.4	9.49	10.4	9.14	11	7.56	10.5	6.3
5	14.3	18.8	16.9	21.1	17.1	21.3	10.9	21	24	19.8	17.5
6	14.6	7.18	5.9	12.7	7.86	8.49	6.06	15	13	8.45	9.17
7	27.4	3.76	2.88	10.1	6.16	9.46	2.31	11.1	16.7	6.5	9.66
8	20.1	1.63	1.85	7.48	3.99	4.33	1.14	6.41	11.6	3.43	9.08
9	3.85	0.17	0.36	1.98	0.85	0.55	0.16	0.99	1.76	1.74	2.77
10	1.2	0.17	0.41	1.71	0.73	0.67	0.22	1.07	1.29	0.63	8.73
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	6.89	3.9	3.61	18.2	49.2	7.61	25.5	4.71	48.1	18.7	17.9
1	1.34	1.46	1.43	10.4	8.58	4.46	8.72	1.7	8.19	8.59	5.15
2	2.64	2.78	2.95	11.4	12	8.65	10.8	3.95	11.8	11.1	9.69
3	4.14	5.24	4.48	12.3	8.63	8.9	11.5	5.85	10.8	12.7	9.54
4	6.27	9.26	6.16	9.73	6.11	11.03	8.03	8.26	5.57	9.79	10.1
5	23.8	17	21.7	15.9	10.1	16.24	16.3	20.5	9.63	17.8	21.4
6	15.2	26	14.1	7.71	2.34	13.88	5.67	15.6	2.44	8.57	10.4
7	17.2	23.4	20.7	6.35	1.39	14.04	5.24	19.4	1.66	6.5	9.13
8	13.6	8.98	16.8	4.8	1.09	10.61	4.15	12.9	1.05	4.51	5.21
9	3.94	1.56	4.28	2.12	0.19	3.14	1.43	3.94	0.18	1.13	0.93
10	4.92	0.36	3.79	1.05	0.33	1.44	2.6	3.14	0.57	0.72	0.61

PW140: Trust in the legal system

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	3.59	5.86	18.9	1.69	24.4		5	1.09		19.8	28.1
1	1.57	2.6	12.6	0.34	2.38	21	4.49	0.45	3.44	4.84	5.79
2	3.61	5.35	14.3	1.33	7.11	13.1	7.48	1.32	7.61	8.99	9.41
3	6.19	7.27	15.1	2.03	10.6	15	9.02	1.33	12.9	9.74	11.2
4	7.12	9.98	12.6	3.92	9.27	11.5	8.59	2.17	10.3	8.93	10.5
5	19.3	22.7	12.2	13.8	24.7	18.5	16.5	9.7	23.2	14.7	19.2
6	12.1	19.4	5.2	10.5	8.99	8.09	10.5	7.44	12.8	7.44	7.53
7	17.8	17.6	3.38	20	7.69	6.9	13.7	15.2	13.3	8.48	4.35
8	17.7	7.36	2.89	27.9	3.76	3.9	14.7	29.5	11.2	8.46	2.64
9	5.87	1.23	1.18	9.34	0.67	1.46	6.96	17	3.54	4.35	0.63
10	5.21	0.74	1.66	9.23	0.49	0.6	3.14	14.7	1.78	4.27	0.67
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	1.27	8.77	16	5.45	7.99	4.95	22.5	3.82	7.45	9.85	16.6
1	0.73	3.25	8.63	2.99	2.58	1.52	5.64	5.59	2.08	3.54	5.14
2	1.25	8	14.7	6.28	6.92	4.14	7.81	7.44	5.24	6.8	6.13
3	1.75	9.96	15.7	9.25	7.52	6.36	8.77	8.66	6.22	11.6	6.75
4	3.23	11.8	11	9.06	8.24	7.39	10.4	10.3	7.65	11.6	6.45
5	7.76	25.3	19.2	21.2	21.4	20.1	17.4	23.3	20.6	24.8	18.5
6	8.67	13.6	6.52	14.9	11.7	12.5	14.7	15.5	14.8	9.98	8.76
7	22	11	4.25	13.9	14.9	18.8	7.03	13	18	9.9	9.8
8	33.3	6.25	2.92	11.8	12.3	17.5	3.89	8.83	13	7.53	9.91
9	16.4	1.27	0.56	3.35	3.89	4.37	0.79	1.85	3.15	3.26	3.55
10	3.64	0.92	0.54	1.79	2.62	2.42	1.06	1.67	1.75	1.13	8.39
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	8.69	1.83	0.83	11.1	27.1	4.33	23.6	1.37	30.8	16.4	6.14
1	2.07	0.88	0.43	7.22	6.31	2.69	8.18	0.78	7.37	8.13	1.95
2	5.43	1.69	1.17	9.88	13.3	4.27	10.7	1.82	12.6	11.6	5.32
3	7.35	2.99	1.94	11.6	11.5	6.49	11.3	3.18	13	12.6	6.06
4	9.99	5.29	3.1	10.7	10	8.35	8.34	4.52	9.13	9.66	7.7
5	23.9	13.6	11.1	19	18.6	15.82	17.4	13.1	14.8	19.9	21.8
6	15.6	24.2	10.3	9.67	5.57	13.93	6.6	13	5.57	8.13	13
7	14.6	29.7	20.9	8.34	3.72	16.44	5.77	22.9	3.77	6.59	16.3
8	9.22	15.5	29.4	7.4	2.38	16.35	4.25	24.5	2.02	4.67	15.3
9	1.62	3.45	12.8	3.41	0.5	6.92	1.46	8.5	0.43	1.31	3.97
10	1.51	0.79	8.1	1.84	1.08	4.42	2.47	6.37	0.6	1.08	2.52

PW150: Trust in the police

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	1.61	3.09	15.1	0.94	14.4	.	2.14	1.15	.	12.9	8.15
1	0.63	1.23	9.59	0.2	2.03	9.53	2.52	0.25	2.02	3.86	1.98
2	1.56	2.49	12	0.74	4.33	7.87	3.83	1.19	3.56	6.35	3.38
3	2.69	3.52	14.5	1.35	7.12	10.6	5.56	0.74	7.75	8.01	4.95
4	3.16	5.11	12.7	2.61	7.26	9.84	6.01	1.22	7.61	8.43	7.53
5	11.8	15.8	14.6	9.66	26.3	24.5	14.2	5.71	20.9	16.1	22.3
6	8.67	18.1	6.73	9.21	13	12	10.3	5.4	12.3	9.97	15.2
7	18.3	27.9	5.38	20.8	13.9	11.6	15.7	14.4	17.7	11.2	15.9
8	26.4	17.7	4.66	30.5	7.93	9.36	21.9	30.3	18	10.8	12.4
9	11.6	3.32	2.32	10.9	2.17	3.12	11.6	20.2	6.44	5.98	4.34
10	13.6	1.69	2.48	13.1	1.54	1.64	6.24	19.4	3.8	6.43	3.84
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.35	4.14	.	3.56	2.41	1.17	6.43	1.81	3.81	5.37	13.8
1	0.3	1.67	.	1.93	1.04	0.63	2.21	2.69	1.53	1.94	4.21
2	0.52	3.81	.	4.64	2.66	0.72	2.74	3.77	3.19	3.78	5.22
3	0.52	5.23	.	7.31	2.57	1.18	3.95	5.23	4.71	6.84	6.39
4	0.99	6.87	.	7.53	3.8	1.61	5.67	6.99	5.61	7.97	6.15
5	2.75	22.5	.	20.7	11	6.73	15.2	19.4	17.2	25.2	18.9
6	3.55	16.2	.	14.7	9.44	5.7	21.2	15.5	13.7	13.8	8.45
7	10.4	20.1	.	15	17.6	17.1	18	18.1	21.6	16.3	10.3
8	33.8	14	.	15.9	25.4	32.3	15.2	17.7	20.2	11.9	11.5
9	34.2	3.17	.	5.55	13.2	17.1	3.84	5.49	4.9	4.69	4.22
10	12.7	2.35	.	3.27	10.8	15.8	5.57	3.35	3.66	2.3	10.8
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	3.76	0.97	0.8	6.08	6.78	2.02	16	0.95	7.25	10.7	3.81
1	0.95	0.84	0.61	4.66	1.62	1.74	6.56	0.62	1.79	6.05	1.2
2	2.46	1.22	1.12	6.59	4.89	2.92	8.89	1.57	3.9	8.49	2.49
3	2.96	1.83	1.37	8.32	6.77	5.18	9.85	2.61	6.57	11.6	3.4
4	4.95	3.91	2.67	9.31	7.25	6.41	8.1	3.35	6.4	8.81	4.89
5	17.2	9.08	8.3	19.7	26.1	14.47	18.7	10.2	23.7	23.8	15
6	13.1	20	8.69	11.4	12.3	12.44	7.47	11.1	11.9	9.23	11.5
7	20.9	34.6	18.6	11.6	13.2	18.44	7.6	22	14.8	9.08	19.2
8	22.2	22.2	29.6	12.2	12.9	20.13	7.44	26.1	14.6	7.44	22.9
9	5.88	4.03	15.6	6.26	3.49	9.58	3.56	11	3.64	2.76	8.99
10	5.63	1.3	12.6	3.98	4.87	6.67	5.86	10.5	5.46	2.03	6.56

PW160: Satisfaction with personal relationships

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.27	0.6	1.81	0.22	0.25	.	0.74	0.18	.	1.37	0.53
1	0.36	0.38	2.66	0.04	0.1	0.94	0.94	0.15	0.8	1.02	0.21
2	0.3	0.65	6.72	0.12	0.19	0.67	1.7	0.42	0.97	1.94	0.49
3	0.92	1.26	9.24	0.22	2.72	1.22	2.08	0.69	2.62	3.01	0.96
4	1.29	1.7	10.9	0.45	1.89	1.63	2.37	1.29	2.58	3.93	1.32
5	4.81	4.25	19.8	1.97	6.12	6.82	6.53	4.54	10.8	10.6	6.08
6	3.86	6.23	11.7	2.76	6.82	5.71	6	4.28	6.65	11.6	8.83
7	8.52	17.6	10.6	9.29	13	12.3	11.3	9.68	14.4	18.5	16.6
8	20.5	38.7	12.1	27.4	23.6	23.1	23.4	22.3	24.3	22.9	28.9
9	18.9	19.6	6.51	21.1	21.4	20.2	23.8	19.6	16.7	15.2	20.1
10	40.2	9.08	8.04	36.5	23.9	27.5	21.1	36.9	20.2	9.96	15.9
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.15	0.51	0.8	0.3	0.35	0.45	0.78	0.21	0.48	0.25	10.1
1	0.15	0.26	1.29	0.41	0.13	.	0.42	0.75	0.22	0.12	0.92
2	0.22	0.62	1.02	0.96	0.47	0.39	0.73	0.74	0.62	0.33	1.23
3	0.32	0.87	2.72	1.97	0.54	0.7	1.21	1.14	0.96	0.65	0.96
4	0.83	1.51	2.5	2.72	0.82	1.73	1.99	2.18	1.23	1.06	1.31
5	2.32	5.96	13.1	8.42	3.18	4.75	6.83	4.97	5.22	5.12	5.6
6	3.61	6.3	8.75	8.93	3.58	5.19	15.8	7.25	4.97	5.18	3.16
7	11.9	16.1	15.4	14.4	7.69	14.6	22.4	13	14	15	4.76
8	31.5	33.7	25	27.8	23	29	27.8	24.8	32.2	31.1	27.9
9	33.4	18.5	12.6	16.3	21.9	17.4	11.3	18.9	20.9	22.6	4.37
10	15.6	15.7	16.9	17.8	38.4	25.8	10.9	26.1	19.2	18.7	39.8
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	0.78	0.13	0.08	0.14	0.72	0.77	0.77	0.07	0.28	0.46	1.27
1	0.54	0.03	0.22	0.27	0.26	0.39	0.5	0.06	0.22	0.45	0.43
2	0.26	0.17	0.3	0.65	0.67	0.86	1.03	0.21	0.35	1.1	0.84
3	0.53	0.3	0.39	1.16	1.31	1.24	1.94	0.53	0.62	1.41	1.19
4	0.53	0.81	1.06	2.01	1.97	2.48	2.18	1.19	1.08	1.81	1.47
5	2.94	1.54	3.49	6.83	8.58	6.31	6.43	3.71	5.68	8.05	4.64
6	3.22	3.54	4.2	7.39	6.4	7.51	5.08	3.99	4.53	6.42	3.93
7	11.7	14	11.5	12.5	12.5	18.17	9.26	13.2	10.1	12.5	8.87
8	24.2	39	27.2	24.6	26.1	31.59	18.4	30.3	25.4	24.2	19.9
9	23.2	25.4	20.9	23.1	15.9	19.49	19.5	19.4	20.9	18.7	20
10	32.1	15.1	30.6	21.3	25.6	11.18	34.9	27.5	30.9	24.9	37.5

PW170: Personal matters (anyone to discuss with)

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	96.5	92.2	92.1	95.9	96.3	95.8	93.4	94.2	93.7	77.6	97.6
2	3.48	7.77	7.89	4.13	3.69	4.24	6.62	5.85	6.28	22.4	2.41
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
1	96.1	90.5	94.5	97.2	95.2	95	89.1	94.1	94.4	92	95.3
2	3.86	9.53	5.54	2.84	4.84	5.03	10.9	5.9	5.65	8.03	4.73
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
1	93.2	94.1	97.1	94.9	92.4	93.98	94.2	94.9	97.4	98.1	93.2
2	6.84	5.93	2.92	5.14	7.64	6.02	5.85	5.13	2.63	1.88	6.77

PW180: Help from others

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	97	91.8	94.1	96.4	93.7	96.8	96.1	97.2	95.5	86.6	95.8
2	3.05	8.24	5.93	3.59	6.26	3.18	3.92	2.77	4.55	13.4	4.16
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
1	97.5	92.3	87.6	97.2	96.9	96.5	85.7	96.4	84.7	89.3	88
2	2.5	7.74	12.4	2.76	3.13	3.54	14.3	3.62	15.3	10.7	12.1
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
1	96.5	93.4	96.6	96.4	87.7	93.96	85.6	97.1	97.1	98.6	94.4
2	3.54	6.64	3.37	3.58	12.3	6.04	14.4	2.9	2.94	1.36	5.57

PW190: Trust in others

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	2.37	1.94	7.92	2.07	6.52	.	2.02	0.58	.	1.96	1.7
1	1.41	4.31	6.23	0.68	2.32	4.18	2.82	0.15	1.28	4.22	1.04
2	3.82	2.97	9.49	2.28	7.43	4.73	6.29	0.64	3.75	9.67	2.31
3	6.88	4.35	13.1	4.15	13.2	7.99	8.72	0.79	8.25	12.1	4.33
4	6.62	7.88	15.3	5.56	14.5	10.2	7.62	0.8	7.91	11.1	6.43
5	24.3	18	20.6	18.9	26.3	29	23.5	5.97	25.3	14.7	17.6
6	11.5	17.3	11	13.4	13.6	14.8	12.8	4.75	15.1	11.4	14.7
7	17.6	24.6	7.46	20.8	10.8	15.4	16.2	10.3	19.2	11.9	20.8
8	17.3	15	6.1	20.6	4.06	10.8	13.5	26.3	13.2	12	20.3
9	4.01	2.64	1.8	4.66	0.61	2.23	4.05	17.4	3.57	5.49	7.23
10	4.16	1.06	1.07	6.91	0.73	0.76	2.4	32.3	2.56	5.45	3.51
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	1.19	6.51	3.25	2.42	1.77	1.02	4.75	0.77	3.25	1.68	5.58
1	0.45	1.94	2.77	2.97	1.93	0.53	1.9	1.98	1.91	0.59	4.3
2	0.7	5.4	6.02	5.24	3.49	0.9	2.6	2.8	3.8	1.63	6.53
3	1.33	8.54	10.6	8.99	4.01	2.47	3.91	5.2	7.76	3.35	8.65
4	2.24	10.4	10.2	10.1	5.41	3.85	6.41	6.85	8.18	4.45	8.53
5	7.75	27	26.1	22.8	16	12.2	19.8	18.6	24.1	18.8	20.6
6	6.71	14.8	13.7	16.6	11.8	9.67	25.1	15.1	16.5	15.3	12.9
7	20.8	14.8	13.5	16.4	20.3	22.3	18	22.4	18.4	21.2	13.8
8	33.9	7.96	10.3	10.4	22.5	28.8	12.5	18.9	11.5	20.9	11.2
9	17	1.66	2.14	2.69	7.5	8.8	2.82	4.8	3	7.95	2.71
10	7.95	1.01	1.41	1.46	5.36	9.45	2.15	2.5	1.61	4.22	5.3
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	2.11	0.45	0.52	1.03	3.93	1.69	8.39	0.88	1.16	1.91	2.87
1	0.75	0.35	0.47	2.37	2.41	1.09	5.92	0.45	0.36	1.1	3.98
2	1.92	0.72	0.82	4.1	6.1	3.08	11.7	1	1.24	4.29	2.62
3	2.83	0.93	1.7	6.55	8.8	4.24	14.9	1.82	3.48	6.58	3.89
4	6.06	2.31	2.15	7.79	8.46	5.75	10.6	3.28	4.22	7.75	5.13
5	21.9	8.67	11.8	20.3	27.6	11.5	20.5	12.8	21.5	24.6	18.4
6	16.8	17.4	8.65	13.6	11.8	14.33	9.23	12.6	13.8	15.6	12.3
7	21.8	35.5	20	16.9	12.3	26.32	8.78	26.3	21.4	16.7	20.8
8	18.2	25.6	30.2	16.5	10.8	22.22	6.7	27.4	22.6	14.4	19.3
9	4.05	5.03	12.2	7.26	2.71	7	1.78	8.55	5.82	4.99	5.48
10	3.57	2.98	11.5	3.69	5.08	2.79	1.49	5.03	4.49	2.15	5.23

PW200: Satisfaction with recreational or green areas

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.76	1.41	3.61	0.39	6.26		0.91	0.5		5.15	2.36
1	0.49	0.24	2.95	0.11	0.79	1.25	1.18	0.16	0.61	2.73	0.87
2	1.1	1.02	7.08	0.22	2.72	1.73	2.14	1.02	2.02	4.69	2.34
3	1.59	2	9.99	0.74	6.05	2.98	2.75	0.97	4.3	5.61	3.77
4	2.34	2.95	13.1	1.41	7.02	3.71	3.17	0.85	4.4	7.23	5.13
5	6.6	7.1	21.3	4.79	16.3	9.79	7.7	5.52	14.4	14.8	12.9
6	4.67	9.26	12.2	5.58	15.4	8.73	6.84	4.89	11.8	13.1	12.7
7	8.81	19.8	9.71	11.1	18.3	13.8	12.3	10.1	17.2	15.2	19
8	17.6	33.2	10.3	21.6	16.6	22.5	22.8	23.5	20.5	14.6	22.2
9	14	15.3	4.7	16.4	6.11	16.2	19.9	15.1	9.86	8.69	11.5
10	42.1	7.71	5.07	37.7	4.4	19.4	20.4	37.4	15	8.19	7.24
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.17	1.8	3.91	2.01	2.26	0.9	4.46	0.55	0.53	0.67	5.05
1	0.07	0.39	3.39	1.03	0.97	0.35	1.48	1.49	0.65	0.36	2.09
2	0.21	1.92	6.37	3.31	2.78	0.85	2.94	2.12	0.73	0.99	4.61
3	0.41	2.36	8.43	5.47	2.41	1.03	4.2	2.64	1.55	2.57	4.56
4	0.81	3.24	5.85	7.97	3.58	1.49	6.47	3.63	1.52	2.47	5.17
5	2.66	9.71	18.2	18.1	7.6	5.93	13.9	7.34	6.64	8.49	14.1
6	4.27	9.74	10.7	14	6.02	6.8	17.6	11	5.98	9.23	9.05
7	13.7	17.6	13.3	14.5	12.2	13.4	17.8	16.3	15	17.8	10.9
8	30.2	27.4	14.1	18.2	22.5	25.5	18.4	22.2	28.7	24.7	15
9	29.5	13.2	5.95	7.03	15.7	14.1	5.97	13.9	19	15.6	5.85
10	18	12.7	9.74	8.34	24	29.7	6.76	18.8	19.7	17.2	23.6
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	3.94	0.03	0.27	0.81	4.64	2.82	6.26	0.24	0.82	1.33	1.18
1	2.5	0.13	0.17	1.05	1.75	0.63	4.49	0.12	0.39	0.48	0.62
2	4.13	0.15	0.34	1.61	5.38	2.1	7.91	0.36	0.97	1.9	1.57
3	4.15	0.3	0.78	2.82	6.17	3.3	9.54	0.63	1.75	3.72	1.98
4	6.2	0.84	1.48	3.65	6.17	3.55	8.64	1.17	2.41	4.8	3.02
5	11	1.75	4.12	9.55	17.7	7.48	15.7	4.59	8.36	17.5	8.13
6	8.83	5.26	4.58	8.63	10	10.12	8.11	4.89	6.3	12.8	7.73
7	12.7	18.4	10.5	12.7	13.3	19.76	10.8	11.9	11.5	16.5	14.7
8	19.3	38.7	23	20	17.1	26.57	12.7	21.9	22.8	18.7	24.6
9	14.1	22.1	16	19.5	7.02	14.69	6.94	15.4	15	9.5	15.7
10	13.1	12.3	38.8	19.6	10.7	8.96	8.85	38.7	29.7	12.7	20.8

PW210: Satisfaction with living environment

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
0	0.62	0.21	2.35	0.4	6.54		0.78	0.64		3.69	0.82
1	0.4	0.1	2.59	0.34	0.92	1.16	0.96	0.41	0.59	2.37	0.42
2	0.81	0.31	6.51	0.71	2.77	1.5	1.73	1.26	1.64	3.94	1.33
3	1.03	0.76	10.1	1.35	5.11	2.2	2.52	1.46	4.04	5.17	2.12
4	1.64	1.51	14.6	2.57	5.95	3.14	2.94	1.51	5.17	6.87	3.21
5	5	4.66	22.8	6.58	16	9.83	7.01	5.51	17.1	14.5	9.48
6	4.67	7.49	12.2	7.76	13.6	9.37	6.52	5.21	12.9	14.1	11.8
7	9.42	22.3	10.3	14.4	17.4	15.8	11.9	9.28	19.3	15.2	20.2
8	19.2	40.5	10.1	24.1	18.3	23.5	24.7	22.1	21.2	15.9	26.9
9	16	16.5	4.34	15.2	7.77	16.1	21.5	18.5	9.01	9.83	15
10	41.2	5.73	4.09	26.6	5.66	17.4	19.4	34.1	9.07	8.46	8.75
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
0	0.37	0.39	2.37	1.14	0.61	1.11	3.88	0.19	0.44	0.65	5.14
1	0.22	0.09	2.97	0.8	0.38	0.24	1.64	0.89	0.16	0.34	3.06
2	0.81	0.78	4.97	2.54	1.14	1.18	3.37	1.79	0.66	1.07	5.18
3	1.09	1.17	6.37	4.7	1.23	1.73	4.92	1.81	1.18	2.91	6.37
4	2	1.71	6.26	6.81	1.76	2.1	7.37	2.17	1.25	3.7	6.98
5	4.49	6.51	16.8	15.8	5.01	7.82	14.4	6.14	5.48	10.5	16.5
6	7.71	8.72	10.4	14.3	5.04	9.02	18.6	7.72	6.88	12.1	9.91
7	17.8	20.2	12.6	17.3	12.8	17.5	17.4	13.5	17.1	19.8	12
8	30.8	32.4	15	20.6	28.4	30.2	17.7	23.7	33	22.7	14.4
9	24.8	16.2	7.9	7.75	19	11.8	6.07	17.9	18.5	13.4	5.06
10	9.93	11.8	14.5	8.32	24.7	17.4	4.71	24.2	15.4	12.8	15.5
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
0	1.89	0.09	0.07	0.57	2.97	1.36	6.09	0.51	0.69	0.87	0.5
1	1.37	0.11	0.21	1.01	1.65	0.51	7.11	0.43	0.51	0.42	0.35
2	2.4	0.3	0.35	1.61	5.24	1.07	10.1	1.06	1.42	1.76	0.92
3	2.79	0.43	0.65	2.9	5.9	2.14	11.1	1.67	2.58	3.35	1.27
4	4.71	0.59	0.92	3.37	6.13	2.51	8.61	2.64	2.99	4.86	1.96
5	9.66	2.45	3.9	8.78	15.9	6.96	15.5	7.48	9.4	17	6.26
6	10.3	5.97	4.84	8.25	10.1	8.65	8.25	8.65	6.47	12.6	6.91
7	14.6	19.9	13.5	12.5	13.9	18.19	9.83	16.7	11.5	17.3	16
8	21.9	38.9	27.4	21.3	18.7	29.46	11.1	26.5	22.2	19	27.7
9	16.8	20.6	18.2	19.8	8.13	18.51	6.2	14	15.3	10.4	18.2
10	13.6	10.7	29.9	19.9	11.5	10.63	6.19	20.4	27	12.4	20

PW220: Physical security

value	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
1	43.4	31.1	16.8	41.5	57.1	21.4	22.2	47.7	26.4	32.2	32.4
2	37.1	48.4	32.7	41.6	23.5	54.4	50.9	36.1	47.9	28.2	45.9
3	15.2	14.1	37	13	10.9	19.6	21.4	13.4	20.2	23	16.5
4	4.23	6.45	13.5	3.87	8.51	4.62	5.52	2.88	5.47	16.5	5.27
	FI	FR	HR	HU	IE	IS	IT	LT	LU	LV	ME
1	49	34.6	.	17.4	33.3	46.1	19.9	9.78	35.2	22.6	47.7
2	41.9	39.9	.	47.8	35	39.4	47.8	54.1	36.9	47	21.6
3	7.56	17.1	.	22.9	19.5	9.86	22.9	28.9	18.4	22.4	18.8
4	1.55	8.45	.	11.9	12.3	4.63	9.42	7.22	9.44	8.07	11.9
	MT	NL	NO	PL	PT	RO	RS	SE	SI	SK	UK
1	66.4	39	57.4	23.1	23.1	19.49	40.8	40.3	44.7	11	38.3
2	16.5	50.8	35.5	60.5	37.8	57.73	49.6	39	45	63	38.9
3	9.9	7.7	6.05	14.2	28.5	18.65	8.17	15	9.52	22.4	14.4
4	7.21	2.52	1.08	2.23	10.7	4.13	1.44	5.66	0.79	3.68	8.4

Annex 2: Frequencies of flags for each variable by country (unweighted values)

PW010: Overall life satisfaction

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6023	52.59	.	.	.	.	.	.
-1	1126	10.29	1787	15.26	1723	15.84	1765	12.58	836	7.61	4693	28.84	3117	13.8	174	1.52	2561	20.4	.	.	1377	5.12
1	9814	89.71	9924	84.74	9157	84.16	12269	87.42	10152	92.39	11582	71.16	19468	86.2	5255	45.89	9990	79.6	15318	100	25506	94.88
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.
-1	593	2.64	5958	28.39	5274	43.17	3644	17.07	3308	35.03	2	0.03	12607	33.14	2282	21.76	2351	29.37	2311	18.57	389	4.18
1	10777	47.93	15026	71.61	6944	56.83	17705	82.93	6134	64.97	2998	43.3	25432	66.86	8203	78.24	5654	70.63	10131	81.43	8919	95.82
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-1	3386	33.19	3	0.02	14	0.12	8032	26.63	3428	24.47	.	.	4803	28.31	147	1.2	.	.	138	1.04	4250	23.07
1	6815	66.81	10107	51.89	6017	50.15	22130	73.37	10581	75.53	13745	100	12164	71.69	6054	49.53	9001	38.51	13148	98.96	14173	76.93

PW020: Meaning of life

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6023	52.59	.	.	.	.	.	.
-1	1129	10.32	1787	15.26	1723	15.84	1856	13.23	836	7.61	4829	29.67	3104	13.74	178	1.55	2487	19.82	.	.	1466	5.45
1	9811	89.68	9924	84.74	9157	84.16	12178	86.77	10152	92.39	11446	70.33	19481	86.26	5251	45.85	10064	80.18	15318	100	25417	94.55
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.
-1	596	2.65	5968	28.44	5274	43.17	3699	17.33	3364	35.63	2	0.03	12607	33.14	2282	21.76	2353	29.39	2337	18.78	314	3.37
1	10774	47.91	15016	71.56	6944	56.83	17650	82.67	6078	64.37	2998	43.3	25432	66.86	8203	78.24	5652	70.61	10105	81.22	8994	96.63
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-1	3386	33.19	6	0.03	16	0.13	8036	26.64	3427	24.46	25	0.18	4715	27.79	154	1.26	.	.	138	1.04	4250	23.07
1	6815	66.81	10104	51.88	6015	50.13	22126	73.36	10582	75.54	13720	99.82	12252	72.21	6047	49.47	9001	38.51	13148	98.96	14173	76.93

PW030: Satisfaction with financial situation

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1125	10.28	1787	15.26	1723	15.84	1787	12.73	836	7.61	4684	28.78	3157	13.98	6023	52.59	175	1.53	2823	22.49	.	.	1386	5.16
1	9815	89.72	9924	84.74	9157	84.16	12247	87.27	10152	92.39	11591	71.22	19428	86.02	5254	45.88	9728	77.51	15318	100	.	.	25497	94.84
		FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	595	2.65	5961	28.41	5274	43.17	3639	17.05	3303	34.98	2	0.03	12607	33.14	2282	21.76	2350	29.36	2308	18.55	.	.	359	3.86
1	10775	47.92	15023	71.59	6944	56.83	17710	82.95	6139	65.02	2998	43.3	25432	66.86	8203	78.24	5655	70.64	10134	81.45	.	.	8949	96.14
		MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	4	0.02	12	0.1	8030	26.62	3427	24.46	.	.	4690	27.64	151	1.24	.	.	.	.	137	1.03	4250	23.07
1	6815	66.81	10106	51.89	6019	50.17	22132	73.38	10582	75.54	13745	100	12277	72.36	6050	49.5	9001	38.51	13149	98.97	.	.	14173	76.93

PW040: Satisfaction with accommodation

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1121	10.25	1787	15.26	1723	15.84	1754	12.5	836	7.61	4684	28.78	3142	13.91	6023	52.59	174	1.52	2496	19.89	.	.	1396	5.19
1	9819	89.75	9924	84.74	9157	84.16	12280	87.5	10152	92.39	11591	71.22	19443	86.09	5255	45.89	10055	80.11	15318	100	.	.	25487	94.81
		FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	593	2.64	5955	28.38	5274	43.17	3640	17.05	3299	34.94	2	0.03	12607	33.14	2282	21.76	2350	29.36	2305	18.53	.	.	354	3.8
1	10777	47.93	15029	71.62	6944	56.83	17709	82.95	6143	65.06	2998	43.3	25432	66.86	8203	78.24	5655	70.64	10137	81.47	.	.	8954	96.2
		MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	2	0.01	12	0.1	8030	26.62	3427	24.46	.	.	4691	27.65	148	1.21	.	.	.	.	139	1.05	4250	23.07
1	6815	66.81	10108	51.9	6019	50.17	22132	73.38	10582	75.54	13745	100	12276	72.35	6053	49.52	9001	38.51	13147	98.95	.	.	14173	76.93

PW050: Being very nervous

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1125	10.28	1787	15.26	1723	15.84	1763	12.56	836	7.61	4685	28.79	3168	14.03	6023	52.59	175	1.53	2442	19.46	.	.	1251	4.65
1	9815	89.72	9924	84.74	9157	84.16	12271	87.44	10152	92.39	11590	71.21	19417	85.97	5254	45.88	10109	80.54	15318	100	.	.	25632	95.35
		FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	597	2.65	5956	28.38	5274	43.17	3631	17.01	3309	35.05	2	0.03	14028	36.88	2282	21.76	2351	29.37	2307	18.54	.	.	365	3.92
1	10773	47.91	15028	71.62	6944	56.83	17718	82.99	6133	64.95	2998	43.3	24011	63.12	8203	78.24	5654	70.63	10135	81.46	.	.	8943	96.08
		MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	6	0.03	17	0.14	8031	26.63	3428	24.47	6	0.04	4692	27.65	143	1.17	.	.	.	.	144	1.08	4250	23.07
1	6815	66.81	10104	51.88	6014	50.13	22131	73.37	10581	75.53	13739	99.96	12275	72.35	6058	49.56	9001	38.51	13142	98.92	.	.	14173	76.93

PW060: Feeling down in the dumps

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1126	10.29	1787	15.26	1723	15.84	1771	12.62	836	7.61	4687	28.8	3224	14.27	6023	52.59	175	1.53	2442	19.46	.	.	1269	4.72
1	9814	89.71	9924	84.74	9157	84.16	12263	87.38	10152	92.39	11588	71.2	19361	85.73	5254	45.88	10109	80.54	15318	100	.	.	25614	95.28
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	599	2.66	5957	28.39	5274	43.17	3633	17.02	3307	35.02	3	0.04	14072	36.99	2282	21.76	2354	29.41	2307	18.54	520	5.59	.	.
1	10771	47.9	15027	71.61	6944	56.83	17716	82.98	6135	64.98	2997	43.29	23967	63.01	8203	78.24	5651	70.59	10135	81.46	8788	94.41	.	.
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	6	0.03	17	0.14	8031	26.63	3427	24.46	3	0.02	4692	27.65	145	1.19	.	.	146	1.1	4250	23.07	.	.
1	6815	66.81	10104	51.88	6014	50.13	22131	73.37	10582	75.54	13742	99.98	12275	72.35	6056	49.55	9001	38.51	13140	98.9	14173	76.93	.	.

PW070: Feeling calm and peaceful

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1125	10.28	1787	15.26	1723	15.84	1775	12.65	836	7.61	4685	28.79	3185	14.1	6023	52.59	175	1.53	2442	19.46	.	.	1261	4.69
1	9815	89.72	9924	84.74	9157	84.16	12259	87.35	10152	92.39	11590	71.21	19400	85.9	5254	45.88	10109	80.54	15318	100	.	.	25622	95.31
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	599	2.66	5958	28.39	5274	43.17	3639	17.05	3309	35.05	3	0.04	14015	36.84	2282	21.76	2350	29.36	2307	18.54	377	4.05	.	.
1	10771	47.9	15026	71.61	6944	56.83	17710	82.95	6133	64.95	2997	43.29	24024	63.16	8203	78.24	5655	70.64	10135	81.46	8931	95.95	.	.
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	7	0.04	17	0.14	8030	26.62	3427	24.46	4	0.03	4692	27.65	144	1.18	.	.	145	1.09	4250	23.07	.	.
1	6815	66.81	10103	51.87	6014	50.13	22132	73.38	10582	75.54	13741	99.97	12275	72.35	6057	49.55	9001	38.51	13141	98.91	14173	76.93	.	.

PW080: Feeling downhearted or depressed

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1125	10.28	1787	15.26	1723	15.84	1765	12.58	836	7.61	4688	28.8	3159	13.99	6023	52.59	176	1.54	2442	19.46	.	.	1258	4.68
1	9815	89.72	9924	84.74	9157	84.16	12269	87.42	10152	92.39	11587	71.2	19426	86.01	5253	45.87	10109	80.54	15318	100	.	.	25625	95.32
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	598	2.66	5958	28.39	5274	43.17	3646	17.08	3310	35.06	3	0.04	14052	36.94	2282	21.76	2351	29.37	2308	18.55	395	4.24	.	.
1	10772	47.91	15026	71.61	6944	56.83	17703	82.92	6132	64.94	2997	43.29	23987	63.06	8203	78.24	5654	70.63	10134	81.45	8913	95.76	.	.
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	9	0.05	18	0.15	8030	26.62	3427	24.46	2	0.01	4696	27.68	145	1.19	.	.	147	1.11	4250	23.07	.	.
1	6815	66.81	10101	51.86	6013	50.12	22132	73.38	10582	75.54	13743	99.99	12271	72.32	6056	49.55	9001	38.51	13139	98.89	14173	76.93	.	.

PW090: Being happy

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3																						
-1	1129	10.32	1787	15.26	1723	15.84	1800	12.83	836	7.61	4687	28.8	3180	14.08	6023	52.59	2442	19.46			1320	4.91
1	9811	89.68	9924	84.74	9157	84.16	12234	87.17	10152	92.39	11588	71.2	19405	85.92	5253	45.87	10109	80.54	15318	100	25563	95.09
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44									3923	56.67										
-1	599	2.66	5962	28.41	5274	43.17	3632	17.01	3308	35.03	3	0.04	14076	37	2282	21.76	2351	29.37	2312	18.58	372	4
1	10771	47.9	15022	71.59	6944	56.83	17717	82.99	6134	64.97	2997	43.29	23963	63	8203	78.24	5654	70.63	10130	81.42	8936	96
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49				
-1	3386	33.19	7	0.04	18	0.15	8032	26.63	3429	24.48	2	0.01	4690	27.64	148	1.21			146	1.1	4250	23.07
1	6815	66.81	10103	51.87	6013	50.12	22130	73.37	10580	75.52	13743	99.99	12277	72.36	6053	49.52	9001	38.51	13140	98.9	14173	76.93

PW100: Job satisfaction

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3																						
-2	5301	48.46	6121	52.27	6152	56.54	6691	47.68	5973	54.36	8285	50.91	11097	49.13	2494	21.78	6408	51.06	10185	66.49	15864	59.01
-1	541	4.95	789	6.74	1004	9.23	157	1.12	199	1.81	2580	15.85	1547	6.85	42	0.37	1185	9.44			725	2.7
1	5098	46.6	4801	41	3724	34.23	7186	51.2	4816	43.83	5410	33.24	9941	44.02	2893	25.26	4958	39.5	5133	33.51	10294	38.29
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44									3923	56.67										
-2	5356	23.82	10748	51.22	8176	66.92	11650	54.57	5307	56.21	1153	16.65	21645	56.9	5779	55.12	3760	46.97	5805	46.66	6410	68.87
-1	399	1.77	3019	14.39	2142	17.53	1849	8.66	1477	15.64	3	0.04	5535	14.55	907	8.65	1216	15.19	1958	15.74	210	2.26
1	5615	24.97	7217	34.39	1900	15.55	7850	36.77	2658	28.15	1844	26.64	10859	28.55	3799	36.23	3029	37.84	4679	37.61	2688	28.88
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49				
-2	5682	55.7	4232	21.73	2155	17.96	12148	40.28	8243	58.84	7588	55.21	10538	62.11	2799	22.9	4938	21.13	6643	50	8054	43.72
-1	1764	17.29	3	0.02	11	0.09	8031	26.63	1518	10.84	4248	30.32	6157	44.79	1997	11.77	37	0.3	72	0.54	2558	13.88
1	2755	27.01	5875	30.17	3865	32.21	9983	33.1							4432	26.12	3365	27.53	4063	17.38	6571	49.46

PW110: Satisfaction with commuting time

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-4	182	1.66	42	0.36	.	.	.	.	221	2.01	433	2.66	118	0.52	.	.	293	2.33	.	.	317	1.18
-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6023	52.59	.	.	.	.	.	.
-2	5301	48.46	6121	52.27	6152	56.54	6691	47.68	5973	54.36	8285	50.91	11097	49.13	2494	21.78	6408	51.06	10185	66.49	15864	59.01
-1	595	5.44	789	6.74	1061	9.75	207	1.47	199	1.81	2581	15.86	1558	6.9	40	0.35	1185	9.44	.	.	701	2.61
1	4862	44.44	4759	40.64	3667	33.7	7136	50.85	4595	41.82	4976	30.57	9812	43.44	2895	25.28	4665	37.17	5133	33.51	10001	37.2
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-4	250	1.11	284	1.35	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.
-2	5356	23.82	10748	51.22	8176	66.92	11650	54.57	5307	56.21	1153	16.65	21645	56.9	5779	55.12	3760	46.97	5805	46.66	6410	68.87
-1	424	1.89	3021	14.4	2142	17.53	1856	8.69	1487	15.75	3	0.04	6010	15.8	907	8.65	1217	15.2	1958	15.74	294	3.16
1	5340	23.75	6931	33.03	1900	15.55	7843	36.74	2648	28.04	1844	26.64	10384	27.3	3799	36.23	3028	37.83	4679	37.61	2604	27.98
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-4	33	0.32	259	1.33	.	.	644	2.14	33	0.24	.	.	.	.	.	273	1.17	.	.	.	123	0.67
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-2	5682	55.7	4232	21.73	2155	17.96	12148	40.28	8243	58.84	7588	55.21	10538	62.11	2799	22.9	4938	21.13	6643	50	8054	43.72
-1	1763	17.28	4	0.02	11	0.09	8032	26.63	1518	10.84	.	.	1997	11.77	37	0.3	.	.	72	0.54	2558	13.88
1	2723	26.69	5615	28.83	3865	32.21	9338	30.96	4215	30.09	6157	44.79	4432	26.12	3365	27.53	3790	16.21	6571	49.46	7688	41.73

PW120: Satisfaction with time use

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6023	52.59	.	.	.	.	.	.
-1	1122	10.26	1787	15.26	1723	15.84	1774	12.64	836	7.61	4686	28.79	3296	14.59	175	1.53	2532	20.17	.	.	1408	5.24
1	9818	89.74	9924	84.74	9157	84.16	12260	87.36	10152	92.39	11589	71.21	19289	85.41	5254	45.88	10019	79.83	15318	100	25475	94.76
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.
-1	595	2.65	5956	28.38	5274	43.17	3668	17.18	3313	35.09	2	0.03	12607	33.14	2283	21.77	2350	29.36	2314	18.6	738	7.93
1	10775	47.92	15028	71.62	6944	56.83	17681	82.82	6129	64.91	2998	43.3	25432	66.86	8202	78.23	5655	70.64	10128	81.4	8570	92.07
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-1	3386	33.19	2	0.01	14	0.12	8033	26.63	3428	24.47	.	.	4696	27.68	149	1.22	.	.	139	1.05	4250	23.07
1	6815	66.81	10108	51.9	6017	50.15	22129	73.37	10581	75.53	13745	100	12271	72.32	6052	49.51	9001	38.51	13147	98.95	14173	76.93

PW130: Trust in the political system

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1135	10.37	1787	15.26	1723	15.84	1973	14.06	836	7.61	4687	28.8	3121	13.82	6023	52.59	177	1.55	3803	30.3	.	.	1729	6.43
1	9805	89.63	9924	84.74	9157	84.16	12061	85.94	10152	92.39	11588	71.2	19464	86.18	5252	45.86	8748	69.7	15318	100	.	.	25154	93.57
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	611	2.72	5982	28.51	5274	43.17	3633	17.02	3443	36.46	5	0.07	12607	33.14	2282	21.76	2370	29.61	2426	19.5	.	.	192	2.06
1	10759	47.85	15002	71.49	6944	56.83	17716	82.98	5999	63.54	2995	43.26	25432	66.86	8203	78.24	5635	70.39	10016	80.5	.	.	9116	97.94
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	4	0.02	17	0.14	8034	26.64	3427	24.46	3	0.02	4695	27.67	166	1.36	.	.	135	1.02	.	.	4250	23.07
1	6815	66.81	10106	51.89	6014	50.13	22128	73.36	10582	75.54	13742	99.98	12272	72.33	6035	49.37	9001	38.51	13151	98.98	.	.	14173	76.93

PW140: Trust in the legal system

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1128	10.31	1787	15.26	1723	15.84	2058	14.66	836	7.61	4687	28.8	3146	13.93	6023	52.59	176	1.54	2936	23.39	.	.	1746	6.49
1	9812	89.69	9924	84.74	9157	84.16	11976	85.34	10152	92.39	11588	71.2	19439	86.07	5253	45.87	9615	76.61	15318	100	.	.	25137	93.51
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	600	2.67	5974	28.47	5274	43.17	3630	17	3553	37.63	5	0.07	12607	33.14	2282	21.76	2377	29.69	2397	19.27	.	.	198	2.13
1	10770	47.9	15010	71.53	6944	56.83	17719	83	5889	62.37	2995	43.26	25432	66.86	8203	78.24	5628	70.31	10045	80.73	.	.	9110	97.87
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	3	0.02	15	0.13	8032	26.63	3428	24.47	2	0.01	4695	27.67	156	1.28	.	.	136	1.02	.	.	4250	23.07
1	6815	66.81	10107	51.89	6016	50.14	22130	73.37	10581	75.53	13743	99.99	12272	72.33	6045	49.46	9001	38.51	13150	98.98	.	.	14173	76.93

PW150: Trust in the police

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1127	10.3	1787	15.26	1723	15.84	1887	13.45	836	7.61	4688	28.8	3144	13.92	6023	52.59	174	1.52	2762	22.01	.	.	1681	6.25
1	9813	89.7	9924	84.74	9157	84.16	12147	86.55	10152	92.39	11587	71.2	19441	86.08	5255	45.89	9789	77.99	15318	100	.	.	25202	93.75
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.	.	.
-1	602	2.68	5971	28.46	12218	100	3633	17.02	3397	35.98	5	0.07	12607	33.14	2282	21.76	2360	29.48	2367	19.02	.	.	193	2.07
1	10768	47.89	15013	71.54	.	.	17716	82.98	6045	64.02	2995	43.26	25432	66.86	8203	78.24	5645	70.52	10075	80.98	.	.	9115	97.93
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.	.	.
-1	3386	33.19	3	0.02	15	0.13	8031	26.63	3430	24.48	1	0.01	4696	27.68	157	1.28	.	.	135	1.02	.	.	4250	23.07
1	6815	66.81	10107	51.89	6016	50.14	22131	73.37	10579	75.52	13744	99.99	12271	72.32	6044	49.45	9001	38.51	13151	98.98	.	.	14173	76.93

PW160: Satisfaction with personal relationships

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3																						
-1	1125	10.28	1787	15.26	1723	15.84	1762	12.56	836	7.61	4684	28.78	3194	14.14	174	1.52	2528	20.14			1394	5.19
1	9815	89.72	9924	84.74	9157	84.16	12272	87.44	10152	92.39	11591	71.22	19391	85.86	5255	45.89	10023	79.86	15318	100	25489	94.81
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44									3923	56.67										
-1	595	2.65	5959	28.4	5274	43.17	3644	17.07	3340	35.37	2	0.03	12607	33.14	2282	21.76	2351	29.37	2316	18.61	206	2.21
1	10775	47.92	15025	71.6	6944	56.83	17705	82.93	6102	64.63	2998	43.3	25432	66.86	8203	78.24	5654	70.63	10126	81.39	9102	97.79
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49				
-1	3386	33.19	6	0.03	13	0.11	8033	26.63	3427	24.46			4693	27.66	150	1.23			139	1.05	4250	23.07
1	6815	66.81	10104	51.88	6018	50.16	22129	73.37	10582	75.54	13745	100	12274	72.34	6051	49.51	9001	38.51	13147	98.95	14173	76.93

PW170: Personal matters (anyone to discuss with)

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3																						
-1	1121	10.25	1787	15.26	1723	15.84	1759	12.53	836	7.61	4687	28.8	3104	13.74	174	1.52	2447	19.5			954	3.55
1	9819	89.75	9924	84.74	9157	84.16	12275	87.47	10152	92.39	11588	71.2	19481	86.26	5255	45.89	10104	80.5	15318	100	25929	96.45
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44									3923	56.67										
-1	595	2.65	5952	28.36	5274	43.17	3639	17.05	3301	34.96	3	0.04	12607	33.14	2282	21.76	2355	29.42	2285	18.37		
1	10775	47.92	15032	71.64	6944	56.83	17710	82.95	6141	65.04	2997	43.29	25432	66.86	8203	78.24	5650	70.58	10157	81.63	9308	100
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49				
-1	3386	33.19	2	0.01	15	0.13	8028	26.62	3429	24.48	80	0.58	4693	27.66	137	1.12			129	0.97	4250	23.07
1	6815	66.81	10108	51.9	6016	50.14	22134	73.38	10580	75.52	13665	99.42	12274	72.34	6064	49.61	9001	38.51	13157	99.03	14173	76.93

PW180: Help from others

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3	.	.	.	.	.	.	.	.	.	.	17	0.1	11	0.05	6023	52.59	.	.	.	.	.	.
-2	8	0.07	54	0.46	37	0.34	.	.	.	.	4690	28.82	3098	13.72	174	1.52	2443	19.46	.	.	76	0.28
-1	1120	10.24	1787	15.26	1723	15.84	1768	12.6	836	7.61	4690	28.82	3098	13.72	174	1.52	2443	19.46	.	.	911	3.39
1	9812	89.69	9870	84.28	9120	83.82	12266	87.4	10152	92.39	11568	71.08	19476	86.23	5255	45.89	10108	80.54	15318	100	25896	96.33
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	106	1.01	35	0.44	555	4.46	.	.
-2	148	0.66	27	0.13	38	0.31	.	.	.	.	5	0.07	80	0.21	106	1.01	35	0.44	555	4.46	.	.
-1	595	2.65	5953	28.37	5274	43.17	3635	17.03	3298	34.93	3	0.04	12607	33.14	2282	21.76	2357	29.44	2285	18.37	.	.
1	10627	47.26	15004	71.5	6906	56.52	17714	82.97	6144	65.07	2992	43.22	25352	66.65	8097	77.22	5613	70.12	9602	77.17	9308	100
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-2	17	0.17	.	.	.	.	61	0.2	4	0.03	.	.	.	.	3	0.02	14	0.06	.	.	23	0.12
-1	3386	33.19	2	0.01	14	0.12	8034	26.64	3429	24.48	118	0.86	4693	27.66	137	1.12	.	.	129	0.97	4250	23.07
1	6798	66.64	10108	51.9	6017	50.15	22067	73.16	10576	75.49	13627	99.14	12274	72.34	6061	49.59	8987	38.45	13157	99.03	14150	76.81

PW190: Trust in others

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6023	52.59	.	.	.	.	.	.
-1	1125	10.28	1787	15.26	1723	15.84	1809	12.89	836	7.61	4695	28.85	3114	13.79	177	1.55	2612	20.81	.	.	1313	4.88
1	9815	89.72	9924	84.74	9157	84.16	12225	87.11	10152	92.39	11580	71.15	19471	86.21	5252	45.86	9939	79.19	15318	100	25570	95.12
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME	
-3	11116	49.44	.	.	.	.	.	.	.	.	3923	56.67	.	.	.	.	.	.	.	.	.	.
-1	598	2.66	5961	28.41	5274	43.17	3655	17.12	3332	35.29	4	0.06	12607	33.14	2282	21.76	2352	29.38	2306	18.53	85	0.91
1	10772	47.91	15023	71.59	6944	56.83	17694	82.88	6110	64.71	2996	43.28	25432	66.86	8203	78.24	5653	70.62	10136	81.47	9223	99.09
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK	
-3	.	.	9366	48.09	5967	49.73	.	.	.	.	.	.	.	.	6022	49.27	14373	61.49	.	.	.	.
-1	3386	33.19	3	0.02	15	0.13	8028	26.62	3428	24.47	19	0.14	4712	27.77	157	1.28	.	.	179	1.35	4250	23.07
1	6815	66.81	10107	51.89	6016	50.14	22134	73.38	10581	75.53	13726	99.86	12255	72.23	6044	49.45	9001	38.51	13107	98.65	14173	76.93

PW200: Satisfaction with recreational or green areas

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1124	10.27	1787	15.26	1723	15.84	1778	12.67	836	7.61	4685	28.79	3181	14.08	6023	52.59	176	1.54	2551	20.33			1402	5.22
1	9816	89.73	9924	84.74	9157	84.16	12256	87.33	10152	92.39	11590	71.21	19404	85.92	5253	45.87	10000	79.67	15318	100			25481	94.78
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44									3923	56.67												
-1	594	2.64	5958	28.39	5274	43.17	3652	17.11	3341	35.38	2	0.03	12607	33.14	2282	21.76	2353	29.39	2301	18.49			415	4.46
1	10776	47.92	15026	71.61	6944	56.83	17697	82.89	6101	64.62	2998	43.3	25432	66.86	8203	78.24	5652	70.61	10141	81.51			8893	95.54
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49						
-1	3386	33.19	2	0.01	16	0.13	8032	26.63	3427	24.46			4692	27.65	149	1.22			138	1.04			4250	23.07
1	6815	66.81	10108	51.9	6015	50.13	22130	73.37	10582	75.54	13745	100	12275	72.35	6052	49.51	9001	38.51	13148	98.96			14173	76.93

PW210: Satisfaction with living environment

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1122	10.26	1787	15.26	1723	15.84	1770	12.61	836	7.61	4684	28.78	3154	13.97	6023	52.59	174	1.52	2521	20.09			1389	5.17
1	9818	89.74	9924	84.74	9157	84.16	12264	87.39	10152	92.39	11591	71.22	19431	86.03	5255	45.89	10030	79.91	15318	100			25494	94.83
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44									3923	56.67												
-1	592	2.63	5956	28.38	5274	43.17	3638	17.04	3317	35.13	2	0.03	12607	33.14	2282	21.76	2350	29.36	2299	18.48			405	4.35
1	10778	47.93	15028	71.62	6944	56.83	17711	82.96	6125	64.87	2998	43.3	25432	66.86	8203	78.24	5655	70.64	10143	81.52			8903	95.65
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49						
-1	3386	33.19	2	0.01	14	0.12	8031	26.63	3428	24.47			4691	27.65	148	1.21			141	1.06			4250	23.07
1	6815	66.81	10108	51.9	6017	50.15	22131	73.37	10581	75.53	13745	100	12276	72.35	6053	49.52	9001	38.51	13145	98.94			14173	76.93

PW220: Physical security

	AT		BE		BG		CH		CY		CZ		DE		DK		EE		EL		ES			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
-3																								
-1	1333	12.18	1787	15.26	1723	15.84	1849	13.18	836	7.61	4686	28.79	3098	13.72	6023	52.59	184	1.61	2448	19.5			1206	4.49
1	9607	87.82	9924	84.74	9157	84.16	12185	86.82	10152	92.39	11589	71.21	19487	86.28	5245	45.8	10103	80.5	15318	100			25677	95.51
	FI		FR		HR		HU		IE		IS		IT		LT		LU		LV		ME			
-3	11116	49.44									3923	56.67												
-1	599	2.66	5956	28.38	52218	100	3640	17.05	3325	35.21	5	0.07	12607	33.14	2282	21.76	2350	29.36	2314	18.6			108	1.16
1	10771	47.9	15028	71.62			17709	82.95	6117	64.79	2995	43.26	25432	66.86	8203	78.24	5655	70.64	10128	81.4			9200	98.84
	MT		NL		NO		PL		PT		RO		RS		SE		SI		SK		UK			
-3			9366	48.09	5967	49.73									6022	49.27	14373	61.49						
-1	3386	33.19	2	0.01	14	0.12	8044	26.67	3432	24.5	1	0.01	4708	27.75	139	1.14			134	1.01			4250	23.07
1	6815	66.81	10108	51.9	6017	50.15	22118	73.33	10577	75.5	13744	99.99	12259	72.25	6062	49.6	9001	38.51	13152	98.99			14173	76.93

