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CAN SOCIAL CAPITAL AFFECT SUBJECTIVE POVERTY IN EUROPE? AN EMPIRICAL ANALYSIS BASED ON A GENERALIZED ORDERED LOGIT MODEL

Giuseppina Guagnano , Elisabetta Santarelli and Isabella Santini

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Università degli Studi di Roma "La Sapienza" Via del Castro Laurenziano 9, 00161 Roma (RM) T (+39) 06 49766433 F (+39) 06 4957606 www.memotef.uniroma1.it



CAN SOCIAL CAPITAL AFFECT SUBJECTIVE POVERTY IN EUROPE? AN EMPIRICAL ANALYSIS BASED ON A GENERALIZED ORDERED LOGIT MODEL^{*}

Giuseppina Guagnano* Elisabetta Santarelli* Isabella Santini*

ABSTRACT

In a previous exploratory analysis of the 2009 EU-SILC survey and the Eurostat statistics database, the authors tried to reveal to what extent self-perceived poverty in Europe is associated with specific household socioeconomic characteristics and particular aspects of household/community social capital endowment, by means of a multiple correspondence analysis (Guagnano et al., 2014). Such an analysis has appeared to be a useful tool to disclose the primary risk factors of family poverty status and, in particular, it showed that self-perceived poverty (measured by the proxy variable "ability to make ends meet") is strongly associated not only with household socioeconomic characteristics, but also with the indicators commonly recognized as elementary proxies of household/community social capital endowment.

The aim of the present paper is to capture the effect of social capital on household subjective poverty. More precisely, a generalized ordered logit model is estimated, in order to highlight to what extent: a) self-perception of poverty in Europe is affected by the respondent/household socioeconomic characteristics and by household/community social capital endowment; b) probabilities corresponding to response categories vary according to different levels of predictors; c) differences among European countries in terms of self-perception of poverty may be related to different levels of social capital endowment.

The results are very encouraging and confirm that social capital could be used by local and central governments as a further key function, in addition to the traditional socioeconomic ones for planning poverty reduction policies.

Key words: subjective poverty, social capital, public policies, EU-SILC, generalized ordered logit model.

Classification JEL: I32, D10, I38

1. INTRODUCTION

According to the most widely accepted definition suggested by the World Bank Social Capital Initiative Program research group, *social capital includes the*

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institutions, the relationships, the attitudes and values that govern interactions among people and contribute to economic and social development (Grootaert and van Bastelaer, 2002). This definition synthesizes the different points of view expressed by Putnam (1993), Coleman (1990), Olson (1982) and North (1990) and implies that living in a society characterized by model and cooperative behavior, and where trust replaces suspicion and fear, can have a systematic positive effect on individuals' perception of poverty, as their socioeconomic vulnerability is reduced as well as the resources they need to deal with risk and to avert major losses (Helliwell, 2001).

In a previous study (Guagnano, Santarelli, Santini, 2013) the authors showed that self-perceived poverty in European countries is associated with at least three aspects: the household socioeconomic conditions; the degree of family and social distress; the level of social capital endowment. These results have important policy implications: actually, public policies can improve household welfare and alleviate poverty not only through traditional income support measures but also by enhancing the development of the desirable forms of social capital in the areas where households live (i.e. social networks and connections which cross boundaries of social class, ethnicity and gender and which strengthen mutual trust; voluntary initiatives and so on). As a matter of fact, in countries such as, for example, Portugal, Greece and Italy, characterized by poor household economic well-being but also by low social capital endowment, poverty reduction policies could be more effective if they reconciled traditional income support programs with measures facilitating development of desirable forms of social capital.

The subsequent objective, the aim of this paper, is then to measure and quantify the effect of social capital on self-perceived poverty and to examine if the relevant differences evident among European countries can also be due to different social capital endowments. In order to pursue this aim, a generalized ordered logit model (Williams, 2006) is carried out on data from the 2009 EU-SILC survey.

The paper is organized as follows: section 2 describes the data and the methodology used, section 3 presents the results and section 4 provides some concluding remarks and future research lines.

2. DATA AND METHODOLOGY

The analysis is based on data from the 2009 cross-sectional EU-SILC survey¹, in order to pursue the objectives outlined in section 1.The household subjective

¹EU-SILC is the Eurostat project on Income and Living Conditions which involves all the 27 European countries. EU-SILC is the reference source for comparative studies on income distribution, poverty and social exclusion at European level (Eurostat, 2009 and 2010; Santini and De Pascale, 2012a and 2012b) with the purpose of monitoring household economic and social conditions for aware planning of economic and social policies (Clemenceau et al., 2006).



poverty is measured by the proxy categorical variable *ability to make ends meet*, with the following categories: with great difficulty; with difficulty; with some difficulty; fairly easily; easily; very easily.

The possible determinants of subjective poverty, considered in the analysis, are listed in the Appendix (tables A1 and A2) and describe, respectively,

1) The respondent/household socioeconomic characteristics²: age, gender, marital status, education, employment status, low work intensity status, branch of activity, risk of poverty and social exclusion, general health, house/flat size, tenure status, dwelling type, reasons for changing dwelling, household type, equivalized disposable income, poverty and deprivation indicator, financial burden of housing cost, debts, family/children allowances, social exclusion, housing allowances, cash and alimonies received. Some of these variables are not statistically significant and/or have too many missing values and thus they have not been included in the generalized ordered logit models discussed in section 3³;

2) The household/community social capital endowment ⁴. In particular, combining the elementary social capital indicators listed in Table A2, we have defined three complex indexes, one for each of the following categories:

- *social behaviour (SB)*, related to those socioeconomic characteristics that facilitate/hinder the development of social and economic cooperative behavior;

- social relationships (SR), related to potential and actual degree of social relationships;

- territorial and environmental context (TC), related to those context

characteristics which are significant determinants of social capital formation.

Elementary indexes belonging to the same category have been synthesized through a simple arithmetic mean, hypothesizing that they are perfectly and mutually replaceable as they measure different aspects of the same phenomenon. Furthermore, an overall social capital index has been obtained from these three complex indexes; now a simple geometric mean has been used, as this kind of aggregation implies a lower interchangeability of categories.

To capture the relation between the response variable and the predictors listed above we estimate a generalized ordered logit model⁵ (Williams, 2006), that is an

EU-SILC provides two types of data, cross-sectional and longitudinal over a four- year period (EU-SILC uses a four-years rotational design).

²Respondent's socioeconomic characteristics are included to take into account the features of the person who answers, on behalf of the whole family, to the household questionnaire and, in particular, to the question on *ability to make ends meet*.

particular, to the question on *ability to make ends meet*. ³These variables are: low work intensity status, branch of activity, risk of poverty and health of respondent; reasons for changing dwelling, household type, work intensity status, regular interhousehold cash received, alimonies received.

⁴Despite some shortcomings, the EU-SILC cross-sectional survey represents an important reference source for comparative studies aiming at measuring the effect of social capital on household economic well-being, especially because they provide comparable and high quality cross-sectional indicators for all the 27 European countries (see, for further details, Santini and De Pascale, 2012a,b).

⁵A generalized ordered logit model has to be applied as one of the main assumptions in ordered response models, the so called *proportional odds* assumption, is not satisfied here.



ordered model whose estimated parameters are not the same for each response category, but some of them (not necessarily all) could vary across categories.

3. RESULTS

The analysis consists in estimating three different models, which have in common all the predictors referred to respondent/household socioeconomic characteristics:

□ the first one, from now on say M1, doesn't include any other predictor and is estimated only for comparative purpose;

the second one, say M2, includes in addition the overall social capital index, to measure the global effect of social capital on the response probabilities;

□ the third one, say M3, includes the three sectorial complex indexes, to account for the possible differential effect of each aspects of social capital.

Estimates obtained for the more general specification (M3), considering the category *'very easily'* as the base category, are listed in the Appendix (Table A3).

All the estimated regression parameters are significant for at least one response category and the global performance of the model can be judged satisfactory, especially if we consider that the response categories are six and the percentage of "very easily" responses is very low (4.7% of total responses), making it more difficult to correctly predict this category⁶.

Percentages of correctly predicted responses, obtained for each model, are listed in Table 1. It can be noted the general improvement in the performance of estimated models, going from the simpler to the more general one, which is not so obvious with the inclusion of additional predictors as it is for the log-likelihood function.

This improvement also occurs for each response categories, except for *with some difficulty* and *very easily*; in these two cases, in effect, information on social capital seems to make predictions even slightly worst. On the contrary, the greater improvement occurs for the first two categories.

Marginal effects of each independent variable, controlling for the remaining ones, are coherent with expectations and robust according to the three models. So, for example, probabilities of *difficult* and *very difficult* in *ability to make ends meet* increase with age, if the respondent is unemployed, if the family is at risk of poverty, severely materially deprived, with debts and financial burden of housing cost, receives income by people aged under 16 and allowances; conversely, these probabilities decrease with growing educational level and dimension of dwelling (in number of rooms).

⁶ As a matter of fact, it is worth noting that if the dependent variable had only three response categories (with great difficulty or with difficulty; with some difficulty or fairly easily; easily or very easily), losing, however important details, the overall percentage of correctly predicted values increases of almost 45-50% on average than in the model with six responses.



On the other side, probabilities of the categories *easily* and *very easily* increase if the respondent is working, with high level of education and free accommodation for dwelling.

The most interesting result is that all the social capital indicators show significant effects on the response variable. In particular, both the effect of the overall social capital index in model M2 (see Fig. 1), and the effects of the three sectorial indexes used in model M3 (see Fig. 2-4) are positive on the upper categories probabilities and negative on the lower categories ones; in other words, with growing values of social capital endowment European families' ability to make ends meet increases.

As to cross-country comparison based on results from model M3, in figures 5-6 probabilities of the categories *with great difficulty* and, respectively, *very easily* are plotted by country, in descending order. It can be seen that, for the *very difficult* category, countries with the higher probabilities are Greece, Cyprus, Portugal and Ireland. It is interesting to note that Greece also occupies the first position as to the probabilities of *difficult* category and the lower positions as to the probabilities of *difficult* categories and its social capital index value lies below the European average. On the other side, for the category *very easily* countries with the higher probabilities are Sweden, Finland, Netherlands and Denmark; we can note that Finland also appears among the first positions as to the probabilities of the categories *fairly easily* and *easily* and the lower positions in the remaining cases and its social capital index value lies above the European average.

Another example of how differences standing out among European countries are also imputable to different social capital endowments refers to estimated probabilities of the category *with some difficulty* from the three models: in model M1, countries with higher probabilities are Lithuania, France, Italy, Slovenia and Ireland; in models M2 and M3, instead, when we consider social capital indexes, Estonia takes place of Ireland and really Ireland shows higher values than Estonia for all the social capital indexes. This evidence seems to confirm the crucial role that social capital could have in policies and strategies adopted by central and local governments to reduce poverty, as already outlined in Guagnano, Santarelli, Santini (2013). Thus, in countries characterized, on average, by poor economic conditions but also by low social capital endowment, policies aimed at poverty reduction could be more effective if they reconciled traditional income support programs with measures which facilitate and support the development of desirable forms of social capital.

4. CONCLUSIONS

This paper aims at showing if and to what extent self-perceived poverty in European countries is related with household socioeconomic characteristics and household/community social capital endowment in order to disclose the primary



risk factors of family poverty. The analysis proves the existence of a relationship with both groups of possible determinants. If the strong link between household poverty status and socioeconomic characteristic is one of the most wellestablished results found in the empirical literature (Helliwell, 2001), the significant relationship between social capital and self-perception of poverty is less obvious and constitutes the core result of the analysis. Hence, not only do household socioeconomic characteristics play a crucial role in conditioning self-perception of poverty, but also household/community social capital endowment. More precisely, increasing household and community social capital endowment increases European households' ability to make ends meet. This result has direct and important implications for poverty reduction policies: as a matter of fact, in order to enhance household economic well-being, governments could also facilitate the development of desirable forms of social capital, in addition to the application of traditional income support measures. If the EU-SILC survey provided more social capital indicators with greater territorial detail, relationships between social capital and household poverty could be described and captured in their entirety, thus helping policy-makers considerably to promote suitable poverty reduction strategies.

From the statistical point of view, further research should have to cope with the possible endogeneity of social capital indicators, given that it is almost certainly measured with errors. In this case the research should investigate the possibility of including instrumental variables to obtain consistent estimates and more reliable results.



Table 1: Percent correctly predicted, by response category and kind of estimated model

		Estimated model	
	M1	M2	М3
Response category	Without any social capital index	With overall social capital index	With three sectorial social capital indexes
With great difficulty	47.26	47.60	47.85
With difficulty	33.02	33.45	33.60
With some difficulty	64.37	64.33	64.14
Fairly easily	46.53	46.96	47.19
Easily	37.50	37.52	37.57
Very easily	14.44	14.34	14.23
Total	46.86	47.06	47.11





Fig. 1: Estimated Probabilities by Overall Social Capital Index



----- Fair

Easy

VeryEasy

SO

Diffe

Fig. 2: Estimated Probabilities by Social Behaviour Index



Fig. 3: Estimated Probabilities by Social Relationship Index



Fig. 4: Estimated Probabilities by Territorial Context Index





Fig. 5: Probabilty of category "with great difficulty", by country





Fig. 6: Probabilty of category "very easily", by country





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APPENDIX

abel	Variable name	Categories
		< 24
		25-29
		30-34
		35-39
		40-44
AGE	Age	45-49
	AGE Age GEN Gender MST Marital status EDU Educational qualification ¹ EMP Employment status LWI Low work intensity status BRA Branch of activity RISK At risk of poverty or social exclusion HTH General health	50-54
		55-59
		60-64
		65-79
		80+
		Male
GEN	Gender	Female
		Never married
		Married
MST	Marital status	Separated or divorced
		Widowed
		widowed
		Low
EDU	Educational qualification ¹	Medium
		High
		Working
		Unemployed
EMP	Employment status	Retired
	Envir Employment status	Incotivo
LWI	Low work intensity status	No LWI
		LWI
		Agriculture
		Industry
		Construction
		Wholesale retail
		Transport and storage
		Hotels and restaurants
BRA	Branch of activity	Information and communication
2141		Financial and insurance activities
		Real estate. renting and business activities
		Public administration. defense. social security
		Education
		Health and social work
		Other
		Not working
		Not at risk
RISK	At risk of poverty or social exclusion	At risk of poverty
		LWI
		Severely materially deprived
		Other
		Very good
HTH	General health	Good
		Fair
		Bad
		Very bad

Table A1 - Respondent and household socio-economic characteristics (Source: EU-SILC 2009)

¹*Low*: Never in education, Pre-primary school, Primary school and Lower secondary school; *Medium* :Secondary school and Post-secondary school; *High*: Tertiary education (1st and 2nd stage).

ROO House/flat: number of rooms 1 room 2 rooms 3 rooms 6 rooms TST Tenure status Owner Tenant or subtenant paying rent at prevailing. market rate Accommodation is rented at a reduced rate of provided free DTY Dwelling type Apartment or flat < 10 Apartment or flat < 10 Apartment or flat < 10 or more RCA Reason for changing dwelling Forced to leave or transmitution of the contract Forced to leave or transmitution of a formal contract RCA Reason for changing dwelling Forced to leave for financial difficulties Forced to leave for a namily-related reason Forced to leave for some other reason One person household 2 adults both adults < 65 years 2 adults. one dependent children 2 adults. At perverty deprived 3 soreverly deprived 3 sorealt at burden 3 or overty.	ROO House/flat: number of rooms 1 room 2 rooms 3 rooms 6 rooms 6 rooms TST Tenure status Conver Tenant or subtenant paying rent at prevailing market rate Accommodation is rented at a reduced rate of provided free DTY Dwelling type Semi-detached house Semi-detached nouse Apartment or flat ×ith 0 or more No change RCA Reason for changing dwelling Forced to leave for fancaid difficulties Forced to leave for a family-related reason Forced to leave for a family-related reason Forced to leave for some other reason One person household 2 adults > dependent children 2 adults some dependent children 2 adults some 2 adults so	Label	Variable name	Categories
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ROO House/flat: number of rooms 3 rooms 4 rooms 5 rooms 6 + rooms 0 wner Tenure status Owner Tenant or subbenant paying rent at prevailing, market rate Accommodation is rented at a reduced rate or provided free DTY Dwelling type Semi-detached or terraced house Apartment or flat < 10	ROO House/flat: number of rooms 3 rooms 4 rooms 5 rooms 6 + rooms Owner Tenure status Tenant or subbenant paying rent at prevailing market rate Accommodation is rented at a reduced rate or provided free Detached house DTY Dwelling type Semi-detached or terraced house Apartment of flat < 10			1 room
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POI Poverty indicator Not at risk of poverty At risk of poverty SMD Severely materially deprived household Not severely deprived Severely deprived HCO Financial burden of the total housing cost No housing cost HCO Financial burden of the total housing cost A heavy burden Somewhat a burden DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 < WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	POI Poverty indicator Not at risk of poverty At risk of poverty SMD Severely materially deprived household Not severely deprived Severely deprived HCO Financial burden of the total housing cost No housing cost HCO Debts for hire purchases or loans Non Debts DEB Debts for hire purchases or loans Non Debts WIS Work intensity status Wil = 0 O < WI< 0.5 0.5 ≤ WI < 1 WI = 1 No Yes			
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SMD Severely materially deprived household Not severely deprived HCO Financial burden of the total housing cost No housing cost A heavy burden Somewhat a burden Not burden at all Non Debts DEB Debts for hire purchases or loans Non Debts WIS Work intensity status WI = 0 0 < WI < 0.5	SMD Severely materially deprived household Not severely deprived Severely deprived HCO Financial burden of the total housing cost A heavy burden Somewhat a burden DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified - Allowances No	_		At risk of poverty
HCO Financial burden of the total housing cost A heavy burden DEB Debts for hire purchases or loans Non Debts WIS Work intensity status 0 < WI < 0.5 0.5 < WI < 1 WI = 1 FAL Family/children related allowances No Social exclusion not elsewhere classified No	HCO Financial burden of the total housing cost No housing cost HCO Financial burden of the total housing cost A heavy burden Somewhat a burden Not burden at all DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified - Allowances No	SMD	Severely materially deprived household	Not severely deprived
HCO Financial burden of the total housing cost A heavy burden Somewhat a burden Somewhat a burden Not burden at all Non Debts DEB Debts for hire purchases or loans Non Debts WIS Work intensity status WI = 0 0 < WI < 0.5	HCO Financial burden of the total housing cost A heavy burden Somewhat a burden Somewhat a burden Not burden at all Non Debts DEB Debts for hire purchases or loans Non Debts WIS Work intensity status WI = 0 0 < WI < 0.5			Severely deprived
HCO Financial burden of the total housing cost A heavy burden Somewhat a burden Not burden at all DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 < WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	HCO Financial burden of the total housing cost A heavy burden Somewhat a burden Not burden at all DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified - Allowances No Yes			No housing cost
Interface burder of the total housing cost Somewhat a burden DEB Debts for hire purchases or loans Non Debts WIS Work intensity status 0 < WI < 0.5	Hit of the burder of the bu	ЦСО	Einancial burden of the total bousing cost	A heavy burden
DEB Debts for hire purchases or loans Non Debts Debts WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	Debts for hire purchases or loans Not burden at all DEB Debts for hire purchases or loans Non Debts WIS Work intensity status WI = 0 VVI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances AAL Social exclusion not elsewhere classified – Allowances No Yes	HCU	i mancial burden of the total housing COST	Somewhat a burden
DEB Debts for hire purchases or loans Non Debts WIS Work intensity status Debts WIS Work intensity status 0 < WI < 0.5	DEB Debts for hire purchases or loans Non Debts WIS Work intensity status Debts WIS Work intensity status 0 < WI < 0.5			Not burden at all
DEB Debts WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	DEB Debts WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified - Allowances No	_	Debts for hire purchases or loans	Non Debts
WIS Work intensity status WI = 0 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	WIS Work intensity status WI = 0 WIS Work intensity status 0 < WI < 0.5	DEB		Debts
WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified - Allowances No Yes			WI = 0
WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	WIS Work intensity status 0 < WI < 0.5 0.5 ≤ WI < 1 WI = 1 FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified – Allowances No Yes			0 < W < 0.5
FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified – Allowances No	WIS	Work intensity status	$0 \leq vv \leq 0.3$
FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified – Allowances No			$0.0 \simeq VVI \sim 1$
FAL Family/children related allowances No Yes Social exclusion not elsewhere classified No	FAL Family/children related allowances No Yes AAL Social exclusion not elsewhere classified – Allowances No Yes Yes			
Yes Social exclusion not elsewhere classified No	AAL Social exclusion not elsewhere classified No – Allowances Yes	FAL	Family/children related allowances	NO No
Social exclusion not elsewhere classified No	AAL Social exclusion not elsewhere classified No – Allowances Yes	-		Yes
	– Allowances Yes		Social exclusion not elsewhere classified	No

e A1 continued

Label	Variable name	Categories	
	Housing allowanasa	No	
	Housing allowances	Yes	
ICT	Popular inter bougghold cash received	No	
	Regular Inter-nousenoid cash received	Yes	
AL 1	Alimonies received (compulsory.	No	
ALI	voluntary)	Yes	
l16	Income received by people aged under	No	
	16	Yes	
	Label HAL ICT ALI I16	Label Variable name HAL Housing allowances ICT Regular inter-household cash received ALI Alimonies received (compulsory. voluntary) I16 Income received by people aged under 16	Label Variable name Categories HAL Housing allowances No Yes ICT Regular inter-household cash received ALI No Yes Alimonies received (compulsory. voluntary) No Yes I16 Income received by people aged under 16 No Yes

Table A2 - Social capital indicators: Social behaviour (Source: EU-SILC 2009; Eurostat)

Label	Variable name	Categories	Type of indicator	Source
CRH	In your local area are there any problems of crime. violence or vandalism?	Yes No	Household (respondent)	EU-SILC
CRC	% of total population suffering from problems of crime. violence or vandalism	High Medium Low	Community	Eurostat
CRR	Crime recorded by the police: total crime (Number of crimes per 100 inhabitants).	High Medium Low	Community	Eurostat
LTH	Litter lying around the neighbourhood	Very frequently Frequently Sometimes Rarely or never	Household (respondent)	EU-SILC
DMH	Damaged public amenities in the neighbourhood	Very frequently Frequently Sometimes Rarely or never	Household (respondent)	EU-SILC



Label	Variable name	Categories			
рно	Do you have a phone? (including mobile)	No			
110	Do you have a phone. (menualing moone)	Yes			
TVC	Do you have a colour ty ?	No			
110		Yes			
PC	Do you have a computer?	No			
10	Do you have a computer .	Yes			
	Number of hours of child care by grandparents.	None			
	others household members (outside parents). other	Low			
CHI	relatives. friends or neighbors (free of charge) (per	Medium			
	household member if less than 12 years old)	High			
	nousenoid member in less than 12 years old).	Not applicable			
		None			
FAW	Are there "family workers" in your family business?	1 FAW			
PAW	(number)	2 or more FAW			
		Not applicable			
INTC	Do you have an internet connection?	No			
	Do you have an internet connection?	Yes			
MEA	Get-together with friends/relatives for a drink/a meal	No			
MLA	at least once a month	Yes			
IEC	Regularly participate in a leisure activity such as	No			
LES	sport. cinema. concert	Yes			
	Do your children under 16 participate in a regular	No			
L16	leisure activity (swimming. playing an instrument.	Yes			
	youth organizations. etc.)?	Not applicable			
	Do your children under 16 have celebrations on	No			
C16	special occasions (birthdays. name days. religious	Yes			
	events)?	Not applicable			
	Do your shildren under 16 invite friende round to	No			
116	Do your children under 16 invite mends round to	Yes			
	play and eat from time to time?	Not applicable			
		No			
E16	Do your children under 16 participate in school trips	Yes			
	and school events that cost money?	Not applicable			
		No			
016	Do your children under 16 have an outdoor space in	Yes			
	the heighbourhood where they can play safely ?	Not applicable			

 Table A2 continued – Social capital indicators: Social relationships (Source: EU-SILC 2009)



Label	Variable name	Categories	Type of indicator	Source
ОСН	Overcrowded household	Yes No	Household (respondent)	EU-SILC
OCC	Overcrowding rate	High Medium Low	Community	Eurostat
H1H	Do you have any of the following problems related to the place where you live ? (Leaking roof. Dump walls/floors/foundation. rot in windows frames or floor)	Yes No	Household (respondent)	EU-SILC
HIC	Housing deprivation rate: % of total population living in a dwelling with a leaking roof. damp walls. floors or foundation. or rot in window frames of floor.	High Medium Low	Community	Eurostat
H2H	Is your dwelling too dark. meaning is there not enough day-light coming through the windows?	Yes No	Household (respondent)	EU-SILC
Н2С	Housing deprivation rate: % of total population considering their dwelling too dark	High Medium Low	Community	Eurostat
НЗН	Do you have too much noise in your dwelling from neighbors or from outside (traffic. business. factory)?	Yes No	Household (respondent)	EU-SILC
НЗС	Environment of the dwelling: % of total population suffering noise from neighbors or from the street.	High Medium Low	Community	Eurostat
H4H	Pollution. grime or other environmental problems in the local area such as smoke. dust. unpleasant smells or polluted water	Yes No	Household (respondent)	EU-SILC
H4C	Environment of the dwelling: % of total population suffering from pollution. grime or other environmental problems.	High Medium Low	Community	Eurostat
НОТ	Place to live with hot running water	No Yes	Household (respondent)	EU-SILC
SHO	Shortage of space in the dwelling	Yes No	Household (respondent)	EU-SILC
SQMTS	Size of dwelling in sq metres	<=50 50- 70 70- 90 90- 120 >120	Household (respondent)	EU-SILC
AP1	Greenhouse gas emission (in CO ₂ equivalent).	High Medium Low	Community	Eurostat
AP2	Urban population exposure to air pollution by ozone (micrograms per cubic meter).	High Medium Low	Community	Eurostat
AP3	Urban population exposure to air pollution by particulate matter (micrograms per cubic meter).	High Medium Low	Community	Eurostat

 Table A2 continued – Social capital indicators: Territorial context
 (Source: EU-SILC 2009)



ROOM_4

ROOM 5

ROOM_6+ TST_tenant

TST_reduced

TST_free DTY_2

DTY_3

DTY_4

TYPE_2

TYPE_3

TYPE_4

TYPE_5

TYPE_6

TYPE_7

TYPE_8

TYPE_9

TYPE_10

HDI_2

HDI_3

0.37

0.64

0.03

0.04

12.78

15.64

Category 'With great difficulty' Estimate Predictor_category Estimate Predictor_category p-value s.e. s.e. z -0.30 0.03 -8.89 0.00 HDI_4 0.05 Age_25-29 1.01 HDI_5 Age_30-34 -0.29 0.05 -6.12 0.00 1.59 0.06 -0.35 0.00 POI_2 Age_35-39 0.05 -7.60 -0.29 0.02 SMD_2 0.04 -7.74 0.00 0.02 Age_40-44 -0.34 -1.31 HCO_2/3 Age_45-49 -0.39 0.04 -9.21 0.00 -2.21 0.02 0.00 DEB_2 Age_50-54 -0.27 0.04 -6.50 -0.42 0.02 0.00 FAL_2 0.03 Age_55-59 -0.31 0.04 -7.33 -0.13 AAL_2 Age_60-64 -0.15 0.03 -4.41 0.00 -0.21 0.03 Age_65-79 -0.01 0.04 -0.39 0.69 HAL_2 -0.17 0.02 ICT_2 0.03 Age_80+ 0.11 0.05 2.12 0.03 -0.40 Gender_F 0.00 0.02 0.15 0.88 116_2 -0.15 0.03 MST_married 0.04 0.02 2.56 0.01 Belgium -0.08 0.09 MST_sep./div. -0.26 0.03 -9.03 0.00 Bulgaria 0.21 0.09 MST_widowed -0.17 0.02 -8.78 0.00 Cyprus -0.58 0.09 EDU_medium 0.18 0.01 16.11 0.00 Czech Rep. 0.42 0.09 EDU_high 0.39 0.03 12.44 0.00 0.94 0.10 Germany EMP_unemployed -0.71 0.02 -33.23 0.00 Denmark -0 22 0 13 EMP_retired EMP_inactive ROOM_2 ROOM_3

-0.71	0.02	-33.23	0.00	Denmark	-0.22	0.13	-1.66	
-0.12	0.02	-6.91	0.00	Estonia	0.48	0.10	4.69	
-0.26	0.02	-10.83	0.00	Spain	-0.21	0.08	-2.59	
0.04	0.04	1.04	0.30	Finland	0.77	0.11	7.05	
0.12	0.04	2.91	0.00	France	1.04	0.09	10.95	
0.20	0.04	4.49	0.00	Greece	-1.08	0.08	-12.91	
0.26	0.05	5.21	0.00	Hungary	-0.07	0.09	-0.83	
0.37	0.05	6.85	0.00	Ireland	-0.73	0.10	-7.49	
-0.24	0.03	-8.13	0.00	Italy	-0.01	0.08	-0.06	
-0.20	0.02	-9.53	0.00	Lithuania	0.87	0.10	8.84	
-0.09	0.03	-2.74	0.01	Luxemburg	1.15	0.13	8.75	
0.04	0.01	3.05	0.00	Latvia	0.52	0.09	5.72	
0.08	0.02	5.52	0.00	Malta	-0.39	0.10	-4.06	
0.01	0.02	0.29	0.77	Netherlands	0.19	0.11	1.76	
0.01	0.03	0.42	0.68	Poland	0.18	0.09	2.07	
0.06	0.03	1.85	0.07	Portugal	-1.00	0.09	-11.40	
-0.19	0.03	-5.65	0.00	Romania	0.59	0.09	6.42	
-0.46	0.03	-15.77	0.00	Sweden	-0.03	0.12	-0.28	
-0.34	0.02	-14.63	0.00	Slovenia	0.78	0.09	8.86	
-0.43	0.03	-16.62	0.00	Slovakia	0.36	0.10	3.73	
-0.60	0.03	-18.71	0.00	UK	0.31	0.09	3.34	
-0.56	0.03	-21.31	0.00	tcm	1.39	0.11	12.80	
-0.04	0.16	-0.24	0.81	srm	1.99	0.06	33.33	

sbmedia

constant

0.00

0.00

p-value

0.00

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0.26

-2.02

0.05

0.21

5.62

-9.69

z

20.42

24.90

-11.78

-59.01

-104.83

-19.71

-5.05

-6.78

-8.70

-13.40

-4.54

-0.90

2.36

-6.16

4.64

9.60



Category 'With difficulty'									
Predictor_category	Estimate	s.e.	z	p-value	Predictor_category	Estimate	s.e.	Z	p-value
Age_25-29	-0.30	0.03	-8.89	0.00	HDI_4	1.25	0.04	35.51	0.00
Age_30-34	-0.32	0.04	-8.19	0.00	HDI_5	1.89	0.04	45.32	0.00
Age_35-39	-0.37	0.04	-9.75	0.00	POI_2	-0.18	0.02	-8.99	0.00
Age_40-44	-0.37	0.04	-10.04	0.00	SMD_2	-1.49	0.02	-61.19	0.00
Age_45-49	-0.40	0.04	-11.11	0.00	HCO_2/3	-1.99	0.01	-144.32	0.00
Age_50-54	-0.36	0.04	-9.94	0.00	DEB_2	-0.38	0.02	-24.83	0.00
Age_55-59	-0.30	0.04	-8.10	0.00	FAL_2	-0.21	0.02	-11.01	0.00
Age_60-64	-0.15	0.03	-4.41	0.00	AAL_2	-0.24	0.03	-8.81	0.00
Age_65-79	-0.01	0.04	-0.39	0.69	HAL_2	-0.17	0.02	-8.70	0.00
Age_80+	0.10	0.04	2.26	0.02	ICT_2	-0.28	0.03	-10.93	0.00
Gender_F	-0.02	0.01	-1.58	0.12	116_2	-0.15	0.03	-4.54	0.00
MST_married	0.04	0.02	2.56	0.01	Belgium	-0.16	0.06	-2.63	0.01
MST_sep./div.	-0.23	0.02	-9.59	0.00	Bulgaria	-0.39	0.07	-5.92	0.00
MST_widowed	-0.17	0.02	-8.78	0.00	Cyprus	-0.95	0.07	-14.21	0.00
EDU_medium	0.18	0.01	16.11	0.00	Czech Rep.	-0.17	0.06	-2.94	0.00
EDU_high	0.50	0.02	24.41	0.00	Germany	1.01	0.06	16.12	0.00
EMP_unemployed	-0.71	0.02	-33.23	0.00	Denmark	-0.04	0.08	-0.56	0.57
EMP_retired	-0.12	0.02	-6.91	0.00	Estonia	0.56	0.07	8.34	0.00
EMP_inactive	-0.21	0.02	-11.00	0.00	Spain	-0.05	0.05	-0.95	0.34
ROOM_2	0.06	0.03	1.88	0.06	Finland	0.92	0.07	13.12	0.00
ROOM_3	0.14	0.03	4.11	0.00	France	0.18	0.06	3.25	0.00
ROOM_4	0.21	0.04	5.93	0.00	Greece	-1.67	0.06	-29.65	0.00
ROOM_5	0.30	0.04	7.86	0.00	Hungary	-0.59	0.06	-9.82	0.00
ROOM_6+	0.42	0.04	10.10	0.00	Ireland	-0.72	0.07	-10.96	0.00
TST_tenant	-0.24	0.02	-10.72	0.00	Italy	0.02	0.05	0.48	0.63
TST_reduced	-0.20	0.02	-9.53	0.00	Lithuania	0.16	0.07	2.45	0.01
TST_free	-0.04	0.03	-1.56	0.12	Luxemburg	1.08	0.08	13.44	0.00
DTY_2	0.04	0.01	3.05	0.00	Latvia	-0.21	0.06	-3.35	0.00
DTY_3	0.08	0.02	5.52	0.00	Malta	-0.69	0.07	-10.26	0.00
DTY_4	0.09	0.02	5.14	0.00	Netherlands	0.05	0.06	0.80	0.42
TYPE_2	-0.01	0.02	-0.57	0.57	Poland	0.20	0.06	3.41	0.00
TYPE_3	0.02	0.02	0.68	0.49	Portugal	-0.89	0.06	-14.79	0.00
TYPE_4	-0.27	0.03	-10.58	0.00	Romania	0.41	0.06	6.44	0.00
TYPE_5	-0.46	0.03	-15.77	0.00	Sweden	0.44	0.08	5.70	0.00
TYPE_6	-0.34	0.02	-14.63	0.00	Slovenia	0.30	0.06	5.30	0.00
TYPE_7	-0.43	0.03	-16.62	0.00	Slovakia	0.02	0.06	0.33	0.74
TYPE_8	-0.60	0.03	-18.71	0.00	UK	0.45	0.06	7.37	0.00
TYPE_9	-0.56	0.03	-21.31	0.00	tcm	1.33	0.09	15.24	0.00
TYPE_10	-0.27	0.12	-2.16	0.03	srm	1.99	0.05	44.04	0.00
HDI_2	0.47	0.02	21.94	0.00	sbmedia	0.24	0.04	6.87	0.00
HDI_3	0.85	0.03	28.43	0.00	constant	-3.92	0.16	-23.90	0.00



Table A3 continued

Category ' With some difficulty'									
Predictor_category	Estimate	s.e.	z	p-value	Predictor_category	Estimate	s.e.	z	p-value
Age_25-29	-0.30	0.03	-8.89	0.00	HDI_4	1.68	0.03	48.37	0.00
Age_30-34	-0.37	0.04	-10.16	0.00	HDI_5	2.47	0.04	65.42	0.00
Age_35-39	-0.36	0.04	-9.91	0.00	POI_2	0.01	0.02	0.59	0.56
Age_40-44	-0.41	0.04	-11.51	0.00	SMD_2	-1.97	0.06	-33.62	0.00
Age_45-49	-0.36	0.04	-10.15	0.00	HCO_2/3	-1.95	0.02	-119.87	0.00
Age_50-54	-0.38	0.04	-10.84	0.00	DEB_2	-0.52	0.01	-36.44	0.00
Age_55-59	-0.28	0.04	-7.86	0.00	FAL_2	-0.27	0.02	-14.06	0.00
Age_60-64	-0.15	0.03	-4.41	0.00	AAL_2	-0.34	0.03	-11.24	0.00
Age_65-79	-0.01	0.04	-0.39	0.69	HAL_2	-0.17	0.02	-8.70	0.00
Age_80+	0.24	0.04	5.70	0.00	ICT_2	-0.24	0.03	-8.84	0.00
Gender_F	-0.11	0.01	-8.70	0.00	116_2	-0.15	0.03	-4.54	0.00
MST_married	0.04	0.02	2.56	0.01	Belgium	0.25	0.05	5.58	0.00
MST_sep./div.	-0.25	0.02	-10.74	0.00	Bulgaria	-0.62	0.07	-8.63	0.00
MST_widowed	-0.17	0.02	-8.78	0.00	Cyprus	-0.75	0.06	-12.24	0.00
EDU_medium	0.18	0.01	16.11	0.00	Czech Rep.	0.01	0.04	0.28	0.78
EDU_high	0.57	0.02	33.59	0.00	Germany	1.68	0.04	37.72	0.00
EMP_unemployed	-0.71	0.02	-33.23	0.00	Denmark	0.54	0.05	10.05	0.00
EMP_retired	-0.12	0.02	-6.91	0.00	Estonia	0.09	0.05	1.70	0.09
EMP_inactive	-0.15	0.02	-7.48	0.00	Spain	0.28	0.04	6.84	0.00
ROOM_2	-0.17	0.04	-4.69	0.00	Finland	0.96	0.05	19.92	0.00
ROOM_3	-0.09	0.04	-2.45	0.01	France	-0.70	0.04	-17.99	0.00
ROOM_4	-0.02	0.04	-0.52	0.60	Greece	-1.11	0.05	-22.76	0.00
ROOM_5	0.08	0.04	2.14	0.03	Hungary	-0.84	0.05	-15.49	0.00
ROOM_6+	0.19	0.04	4.75	0.00	Ireland	-1.00	0.05	-20.12	0.00
TST_tenant	-0.29	0.02	-13.81	0.00	Italy	-0.35	0.04	-9.02	0.00
TST_reduced	-0.20	0.02	-9.53	0.00	Lithuania	-0.99	0.06	-16.06	0.00
TST_free	0.03	0.03	1.31	0.19	Luxemburg	1.35	0.06	23.63	0.00
DTY_2	0.04	0.01	3.05	0.00	Latvia	-0.12	0.05	-2.15	0.03
DTY_3	0.08	0.02	5.52	0.00	Malta	-0.44	0.06	-7.27	0.00
DTY_4	0.14	0.02	8.68	0.00	Netherlands	0.98	0.05	21.50	0.00
TYPE_2	-0.03	0.02	-1.49	0.14	Poland	0.30	0.05	6.26	0.00
TYPE_3	-0.03	0.02	-1.52	0.13	Portugal	-0.75	0.05	-14.24	0.00
TYPE_4	-0.36	0.02	-14.36	0.00	Romania	0.25	0.06	4.15	0.00
TYPE_5	-0.46	0.03	-15.77	0.00	Sweden	1.17	0.05	21.39	0.00
TYPE_6	-0.34	0.02	-14.63	0.00	Slovenia	-0.10	0.04	-2.21	0.03
TYPE_7	-0.43	0.03	-16.62	0.00	Slovakia	-0.15	0.05	-2.76	0.01
TYPE_8	-0.60	0.03	-18.71	0.00	UK	0.69	0.04	15.33	0.00
TYPE_9	-0.56	0.03	-21.31	0.00	tcm	1.72	0.09	18.75	0.00
TYPE_10	-0.44	0.12	-3.74	0.00	srm	1.65	0.04	37.84	0.00
HDI_2	0.65	0.02	26.57	0.00	sbmedia	0.24	0.04	6.83	0.00
HDI_3	1.18	0.03	38.93	0.00	constant	-6.30	0.17	-37.81	0.00



Table A3 continued

Category 'Fairly easily'									
Predictor_category	Estimate	s.e.	Z	p-value	Predictor_category	Estimate	s.e.	z	p-value
Age_25-29	-0.30	0.03	-8.89	0.00	HDI_4	1.62	0.05	30.97	0.00
Age_30-34	-0.40	0.04	-9.91	0.00	HDI_5	2.38	0.05	44.19	0.00
Age_35-39	-0.35	0.04	-8.82	0.00	POI_2	0.20	0.03	5.83	0.00
Age_40-44	-0.40	0.04	-10.12	0.00	SMD_2	-1.95	0.12	-15.66	0.00
Age_45-49	-0.36	0.04	-9.49	0.00	HCO_2/3	-1.84	0.03	-67.02	0.00
Age_50-54	-0.31	0.04	-8.22	0.00	DEB_2	-0.52	0.02	-30.12	0.00
Age_55-59	-0.22	0.04	-5.85	0.00	FAL_2	-0.26	0.02	-10.68	0.00
Age_60-64	-0.15	0.03	-4.41	0.00	AAL_2	-0.14	0.04	-3.54	0.00
Age_65-79	-0.01	0.04	-0.39	0.69	HAL_2	-0.17	0.02	-8.70	0.00
Age_80+	0.25	0.05	5.33	0.00	ICT_2	-0.19	0.04	-5.25	0.00
Gender_F	-0.12	0.01	-8.68	0.00	116_2	-0.15	0.03	-4.54	0.00
MST_married	0.04	0.02	2.56	0.01	Belgium	0.31	0.05	6.64	0.00
MST_sep./div.	-0.19	0.03	-7.23	0.00	Bulgaria	-0.80	0.13	-6.42	0.00
MST_widowed	-0.17	0.02	-8.78	0.00	Cyprus	-0.81	0.08	-9.75	0.00
EDU_medium	0.18	0.01	16.11	0.00	Czech Rep.	-0.08	0.06	-1.39	0.16
EDU_high	0.54	0.02	30.31	0.00	Germany	0.56	0.04	13.20	0.00
EMP_unemployed	-0.71	0.02	-33.23	0.00	Denmark	0.68	0.05	13.28	0.00
EMP_retired	-0.12	0.02	-6.91	0.00	Estonia	-0.49	0.08	-6.51	0.00
EMP_inactive	-0.11	0.02	-4.65	0.00	Spain	-0.12	0.05	-2.60	0.01
ROOM_2	-0.10	0.05	-2.09	0.04	Finland	0.55	0.05	11.12	0.00
ROOM_3	-0.07	0.05	-1.37	0.17	France	-0.93	0.05	-20.42	0.00
ROOM_4	0.01	0.05	0.12	0.90	Greece	-0.90	0.06	-13.99	0.00
ROOM_5	0.14	0.05	2.63	0.01	Hungary	-1.36	0.09	-14.41	0.00
ROOM_6+	0.28	0.05	5.25	0.00	Ireland	-1.05	0.06	-17.87	0.00
TST_tenant	-0.20	0.02	-8.49	0.00	Italy	-0.78	0.05	-16.58	0.00
TST_reduced	-0.20	0.02	-9.53	0.00	Lithuania	-1.48	0.11	-13.20	0.00
TST_free	0.08	0.04	2.29	0.02	Luxemburg	0.89	0.05	16.93	0.00
DTY_2	0.04	0.01	3.05	0.00	Latvia	-0.97	0.10	-10.01	0.00
DTY_3	0.08	0.02	5.52	0.00	Malta	-0.83	0.09	-9.36	0.00
DTY_4	0.20	0.02	9.80	0.00	Netherlands	1.59	0.04	35.74	0.00
TYPE_2	-0.10	0.02	-4.28	0.00	Poland	0.05	0.06	0.84	0.40
TYPE_3	-0.12	0.03	-4.43	0.00	Portugal	-1.06	0.08	-13.44	0.00
TYPE_4	-0.42	0.03	-13.59	0.00	Romania	0.28	0.08	3.32	0.00
TYPE_5	-0.46	0.03	-15.77	0.00	Sweden	0.45	0.05	9.03	0.00
TYPE_6	-0.34	0.02	-14.63	0.00	Slovenia	-0.07	0.05	-1.31	0.19
TYPE_7	-0.43	0.03	-16.62	0.00	Slovakia	-0.70	0.09	-8.16	0.00
TYPE_8	-0.60	0.03	-18.71	0.00	UK	0.13	0.05	2.71	0.01
TYPE_9	-0.56	0.03	-21.31	0.00	tcm	1.55	0.12	12.89	0.00
TYPE_10	-0.08	0.14	-0.59	0.55	srm	1.11	0.05	20.47	0.00
HDI_2	0.57	0.04	13.12	0.00	sbmedia	0.12	0.04	2.70	0.01
HDI_3	1.13	0.05	23.80	0.00	constant	-6.67	0.22	-30.83	0.00



Category 'Easily'									
Predictor_category	Estimate	s.e.	z	p-value	Predictor_category	Estimate	s.e.	z	p-value
Age_25-29	-0.30	0.03	-8.89	0.00	HDI_4	1.59	0.12	13.22	0.00
Age_30-34	-0.21	0.06	-3.71	0.00	HDI_5	2.54	0.12	21.03	0.00
Age_35-39	-0.18	0.06	-3.29	0.00	POI_2	0.45	0.07	6.36	0.00
Age_40-44	-0.23	0.05	-4.29	0.00	SMD_2	-1.44	0.23	-6.17	0.00
Age_45-49	-0.23	0.05	-4.36	0.00	HCO_2/3	-1.88	0.07	-26.97	0.00
Age_50-54	-0.23	0.05	-4.57	0.00	DEB_2	-0.51	0.03	-17.88	0.00
Age_55-59	-0.18	0.05	-3.58	0.00	FAL_2	-0.29	0.04	-6.74	0.00
Age_60-64	-0.15	0.03	-4.41	0.00	AAL_2	-0.08	0.07	-1.15	0.25
Age_65-79	-0.01	0.04	-0.39	0.69	HAL_2	-0.17	0.02	-8.70	0.00
Age_80+	0.18	0.07	2.66	0.01	ICT_2	-0.24	0.07	-3.56	0.00
Gender_F	-0.22	0.02	-9.35	0.00	116_2	-0.15	0.03	-4.54	0.00
MST_married	0.04	0.02	2.56	0.01	Belgium	-0.40	0.08	-4.88	0.00
MST_sep./div.	-0.09	0.04	-2.17	0.03	Bulgaria	-2.12	0.51	-4.17	0.00
MST_widowed	-0.17	0.02	-8.78	0.00	Cyprus	-1.07	0.18	-6.12	0.00
EDU_medium	0.18	0.01	16.11	0.00	Czech Rep.	-0.88	0.13	-6.67	0.00
EDU_high	0.60	0.03	23.01	0.00	Germany	0.12	0.07	1.84	0.07
EMP_unemployed	-0.71	0.02	-33.23	0.00	Denmark	0.57	0.08	7.28	0.00
EMP_retired	-0.12	0.02	-6.91	0.00	Estonia	-1.13	0.20	-5.59	0.00
EMP_inactive	-0.19	0.04	-4.28	0.00	Spain	-1.18	0.10	-12.21	0.00
ROOM_2	-0.14	0.09	-1.62	0.11	Finland	0.73	0.08	9.18	0.00
ROOM_3	-0.17	0.09	-2.00	0.05	France	-1.45	0.09	-16.04	0.00
ROOM_4	-0.16	0.09	-1.80	0.07	Greece	-1.31	0.14	-9.22	0.00
ROOM_5	-0.06	0.09	-0.69	0.49	Hungary	-1.55	0.23	-6.65	0.00
ROOM_6+	0.09	0.09	0.97	0.33	Ireland	-0.79	0.10	-7.96	0.00
TST_tenant	-0.23	0.04	-6.30	0.00	Italy	-1.45	0.10	-14.99	0.00
TST_reduced	-0.20	0.02	-9.53	0.00	Lithuania	-3.66	0.71	-5.14	0.00
TST_free	0.15	0.08	1.99	0.05	Luxemburg	0.24	0.08	2.96	0.00
DTY_2	0.04	0.01	3.05	0.00	Latvia	-2.05	0.32	-6.30	0.00
DTY_3	0.08	0.02	5.52	0.00	Malta	-1.31	0.23	-5.75	0.00
DTY_4	0.19	0.03	5.57	0.00	Netherlands	0.70	0.07	10.63	0.00
TYPE_2	-0.08	0.03	-2.43	0.02	Poland	-0.34	0.12	-2.83	0.01
TYPE_3	-0.10	0.04	-2.42	0.02	Portugal	-1.89	0.23	-8.30	0.00
TYPE_4	-0.49	0.06	-8.68	0.00	Romania	-0.57	0.23	-2.52	0.01
TYPE_5	-0.46	0.03	-15.77	0.00	Sweden	1.05	0.08	13.80	0.00
TYPE_6	-0.34	0.02	-14.63	0.00	Slovenia	-1.08	0.13	-8.36	0.00
TYPE_7	-0.43	0.03	-16.62	0.00	Slovakia	-0.86	0.20	-4.29	0.00
TYPE_8	-0.60	0.03	-18.71	0.00	UK	0.33	0.08	4.37	0.00
TYPE_9	-0.56	0.03	-21.31	0.00	tcm	1.23	0.21	5.79	0.00
TYPE_10	0.03	0.21	0.13	0.90	srm	0.80	0.10	8.37	0.00
HDI_2	0.42	0.11	3.71	0.00	sbmedia	-0.06	0.07	-0.85	0.39
HDI_3	1.10	0.11	9.95	0.00	constant	-7.06	0.39	-18.21	0.00