The determinants of ICT expenditures by houyseholds: a micro data analysis¹

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Summary

This paper examines the determinants of ICT expenditures in 17 OECD countries, including the Czech Republic, looking at Household Expenditures Surveys data. Previous OECD work has shown that average ICT expenditures vary with the gender and the educational attainments of the family head and with the lifecycle and the income of the household. Average data, however, hide the interactions among these factors that occur at the level of households. In order to control for these interactions, this paper analyses the determinants of ICT expenditures based on the household-level data (micro data).

Using a double-hurdle model (a probit model to estimate whether a consumer will spend on a certain good or service or not, followed by a truncated regression model that estimates how much to spend on that good or service) applied on micro data collected by households budget surveys from 16 OECD countries, the paper analyses the effects of determinants on ICT expenditures.

The paper shows that the effects of various determinants between communication services and information technology goods are markedly different. Some determinants, in particular income and presence of children, have significant and relatively similar effects, at the level of more elementary expenditures components (IT goods, IT services, communication goods and communication services). It also shows that the effects of other determinants (such as education level, geographical area, age, or life cycle stage) are less similar across countries or between ICT goods and services.

1. Introduction

Over the last decade, there has been a clear increase in household ICT expenditure, as well as the ICT budget coefficient (OECD, 2007). It has also been observed that ICT consumption is affected by the level of household income, with low-income households spending proportionally more on ICT than high-income households. In addition, low-income households tend to devote a higher share of their ICT expenditure to ICT services compared with high-income households. Following on from these observations, the use of micro-data would make it possible to account for all the determinants of ICT expenditure.

Yin *et al.* (2005), in one of the few analyses of the impact of the socio-economic factors on ICT expenditure, explored some of the determinants of household expenditure on computer hardware and software. They used the US Bureau of Labour Statistics 2000 Consumer Expenditure Survey (CES) micro-data, applied to the double-hurdle model proposed by Cragg (1971), to analyse consumers' expenditure on durable goods.

¹ Disclaimer: The opinions expressed and arguments employed in this paper do not necessarily reflect the official views of the Organisation or of the governments of its member countries. An earlier version of this paper has been presented at the OECD's Working Party on Indicators for the Information Society at its April 2009 meeting.

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Likewise, the present paper is based on micro-data collected by the household budget surveys from selected OECD countries, and using the double-hurdle model, constitutes an initial attempt to shed light on some determinants of household expenditure on ICT goods and services.

2. Research questions, methodology and data

2.1 Research questions

Most of the literature concerning the diffusion and use of ICT among households refers to determinants of equipment and use, and tends not to focus specifically on ICT expenditure.

As pointed out by Yin *et al.* (2005), since most consumers buy computers for self-use, computer ownership can be assumed to be equivalent to computer spending behaviour. For the household, it can be similarly assumed that most of them buy ICT goods and services for self-use. The main determinants on ICT expenditure, although not necessarily the same, should be closely related to those on equipment and use.

For ICT equipment and use, the literature usually focuses on income, age, education, occupation, gender (Bigot, 2006, McKeown *et al.*, 2007, OECD, 2007), marital status and children and, less frequently, on specific variables linked to literacy (Veenhof *et al.*, 2005), cultural capital or attitudes (CERI, 2009, Horrigan, 2007). Some of those determinants are clearly associated with the life cycle stage of the household. The age of the household's reference person, marital status, and presence of children have been frequently used to identify the life cycle stages.

Based on examination of the data on computer ownership, Yin *et al.* (2005) suggested four groups of households: married with children, married without children, single persons, and others (single parents and other types of households). They also suggested a negative quadratic relationship between age of the household's reference person (positive for age and negative for age-squared) and both the probability of spending and the amount spent.

Income is also one of the important determinants of the household expenditure as generally, the more income a household has, the more goods or services it can afford to purchase. The relationship between income and many types of expenditures has been found to be positive. Computer ownership and Internet access rates are positively related to income. Income is expected to influence positively expenditure on ICT goods and services.

Education may be another factor that affects ICT expenditure. Computer and Internet use are influenced by the level of education of the household's reference person (OECD, 2007). Differences in ICT use and familiarity according to education level have been also pointed out in many countries (Veenhof *et al.*, 2005). US studies (Yin *et al.*, 2005) have shown, for instance, that health and personal care expenditure is positively related to the level of education of the household's reference person. Reading material and occupational expenses are also positively related to the level of education of individuals. We can assume a positive relationship between education and spending on ICT goods and services.

Geographical area may be another factor that affects ICT expenditure. Several indices show that Internet access and use, and mobile access and use, are relatively heterogeneous according to where the household is living. A rural location remained one of the barriers to Internet use in Canada in 2005 (McKeown *et al.*, 2007). In France, in 2006, computer equipment and frequency of use, mobile equipment, use of SMS, Internet access and frequency of use all differed greatly according to the population density of the place of residence (CREDOC, 2007). We can assume a positive relationship between the level of the population density and spending on ICT goods and services.

Many factors impact women's access to and use of ICT, including ICT infrastructures, social norms, time-budget allocation, education, employment, and available content and cultural constraints. Many studies have found gender differences in patterns of computer and Internet use (Veenhof *et al.*, 2005, Montagnier and Van Welsum, 2006). Attitudes toward technology are also not the same according to

gender. At the beginning of the 2000s, US female-headed households were found to be less confident about information technology than male-headed households (Yin *et al.*, 2005). It can be expected that gender will have a similar effect on ICT purchase and the amount spent.

From the above, we can formulate the following hypotheses:

Life cycle stage

Households whose reference person is married without children are less likely to spend on ICT than households whose reference person is married with children.

Of households that spend on ICT, households whose reference person is married with children are likely to spend more on ICT than households whose reference person is married without children.

Age

A positive relationship between the household reference person's age and the likelihood of spending on ICT is observed. There is a negative relationship between age-squared and the likelihood of spending on ICT.

Of households that spend on ICT, the effect of age on amount spent is positive and negative for agesquared.

Income

There is a positive relationship between household income and the likelihood of spending on ICT. Of households that spend on ICT, the effect of income on amount spent is positive for income.

Education attainment

Households whose reference person has a low level of education are less likely to spend on ICT than households whose reference person has a high level of education.

Of households that spend on ICT, households whose reference person has a low education are likely to spend less on ICT than households whose reference person has a high level of education.

Density of population (or rural and urban)

Households whose reference person is resident in a rural – or low densely populated – region are less likely to spend on ICT than households whose reference person is resident in an urban – or highly densely populated – region.

Of households that spend on ICT, households whose reference person is resident in a rural – or lowly densely populated – region should spend less on ICT than households whose reference person is resident in an urban – or highly densely populated – region.

Gender

Households with a male reference person are more likely to spend on ICT than households with a female reference person.

Of households that spend on ICT, households with a male reference person are likely to spend more on ICT than households with a female reference person.

2.2 *Methodology*

In expenditure studies, and this is especially valid for durable goods, it is common for a large number of households not to have purchased anything in a particular category during the survey period. In this case, the dependent variable will be zero for a significant number of observations, and no conclusion can be drawn for the population as a whole. In econometrics, this is referred to as the limited dependent variable problem. In order to take into account this bias, Cragg (1971) proposed a double-hurdle model: it is made first of a probit model, which estimates whether a consumer will spend on a certain good or not, and second of a truncated regression model, in order to estimates how much to spend on that good. The regression model takes into account the selection bias and incorporates it into the regression, so that the results yield for the population as a whole. This correction is known as the Heckman correction, or two-stage method (Heckman, 1979). Due to the "truncated" nature of the

dependent variable, the traditional estimation method of OLS (Ordinary Least Square) is not appropriate and the maximum likelihood estimation method is used instead.

Dependent variables

Probit and truncated regression models have been estimated for information and communication expenditure with various combinations of information technology and communication goods and services (see definitions below).

The dependent variable in the probit model is whether to spend on ICT goods and services (and various combinations). It is coded 1 if the household spent on ICT, and coded as 0 otherwise.

The dependent variable in the truncated regression model is the logarithm of the amount spent on ICT goods and services (and various combinations). If there is no selection effect, the simple OLS model is used instead of the Heckman correction for the regression.

Independent variables

Following the approach from Yin *et.al* (2005), a simple model has been developed and tested in order to see the influence of the main socio-economic factors of households on their ICT expenditure.

According to the research questions mentioned above, income, age, life-cycle stage, education level of the household's reference person, geographical location and gender of the household's reference person should have significant influence on both the probability of spending on ICT goods and services and the level of ICT expenditure.

2.3 Data sources

Data are from the household's budget surveys. For the European countries (except Czech Republic), data are from the Eurostat Database on Household Budget Survey, and refer to the latest collection round in the reference year 2005.

For European countries (except Czech Republic), the authors did not have direct access to the microdata. Eurostat provided the OECD with an initial sample of data with the selected variables. This sample was used by the OECD to prepare a SAS programme. This programme was then implemented and applied to the micro-data by Eurostat³ and the aggregated results provided to the OECD. It was therefore only possible to test the assumptions through a limited number of interactions.

For Canada, the data come from the Survey of Household Spending (SHS), and for Czech Republic and Switzerland, the data come from the Household Budget Survey.

2.4 Data

Definition of ICT expenditure

Households' expenditure survey generally use classifications related to consumption functions. For instance, European countries use the United Nation Classification of Individual Consumption According to Purpose (COICOP) classification.

For comparison purpose, ICT goods and services expenditures have been defined using the United Nation Classification of Individual Consumption According to Purpose (COICOP).

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ICT components

ICT expenditures have been split according to information technology and communication on the one hand, and goods and services on the other, forming four groups: IT goods, IT services, communication goods and communication services. The detailed selected items are provided in the Annex.

In four countries (Austria, Greece, Hungary and Norway), the variable expenditure has been miscoded: both zero values (ie: no expenditures) and missing values have been coded as "missing". In order to keep these countries in the analysis, we have decided to treat all missing codes as zero values (ie: no expenditures). As a consequence of this choice, the effect of all independent variables (ie: their coefficients) are likely to be underestimated. Therefore, we will report the regression coefficients for these four countries but we will not compare them with those of other countries.

Definition of the independent variables

A first round of preliminary tests for the European countries with the four categories adopted by Yin *et al.* (2005) to define the life cycle stage of the household – married with children, married without children, single persons, and others (single parents and other types of households) – did not lead to significant results, due to strong interactions between the age of the household's reference person and the household life cycle. It was not possible to isolate the respective effects of age and different types of households. It can be also considered that married households without children include two different types of households: young households as yet without children, and more senior households whose children have already left. Similarly, a negative quadratic relationship between age and ICT expenditure could not be clearly established.

It was therefore decided to select as independent variables related to life cycle of the household the presence of children, and if the household's reference person was living in a couple or not.

For the same reason, we specified a linear relationship between ICT expenditure and age. Based on previous research (e.g.: ARCEP, 2008) we expect both the probability to spend on ICT and the level of expenditure to decrease with age.

Therefore, the hypotheses regarding life cycle stage and age have been revised as follows:

Life cycle stage - Children

Households with children are more likely to spend on ICT than households without. Of households that spend on ICT, households with children are likely to spend more on ICT than households without children.

Life cycle stage – Couples

Couples are more likely to spend on ICT than other households. Of households that spend on ICT, couples are likely to spend more on ICT than other households.

Age

There will be a negative relationship between the household reference person's age and the likelihood of spending on.

Of households that spend on ICT, the effect of age on amount spent will be negative.

The independent (or explanatory) variables are therefore the following:

- *Income of the household*: the logarithm of the income will be selected. For European countries, the equivalent income has been selected (see the methodology).
- Level of education of the household's reference person: medium and high level will be compared to low level. This variable is not available for the United Kingdom.

- Population density of the area where the household is living: medium and highly densely populated area will be compared to lowly densely populated area. This variable is not available for Ireland and the Netherlands. For Canada, urban will be compared to rural areas.
- *Children*: presence of children (coded 1) will be compared with absence (coded 0). This variable is not available for the Netherlands. For Sweden and the United Kingdom, data could not be exploited properly.
- *Age*: age of the household's reference person. For Canada, age was provided using 5-year bracket intervals. A proxy for age value has been calculated, using the middle of the age interval (*i.e.* if the age was between 25 and 29, the age value has been put to 27 see the methodology).
- *Couples*: households living in a couple (coded 1) will be compared with other households.
- *Gender*: households whose reference person is man (coded 1) will be compared with households whose reference person is a woman (coded 0).

Definition of the dependent variables

Preliminary tests, when using total ICT expenditure as a whole as dependent variable, could not lead to any coherent conclusion with respect to the independent variables. It was decided to focus specifically on each of the components of the ICT expenditure: information technology goods, information technology services, communication goods and communication services. The independent variables have specific effects on each of those ICT components which are not observable at a more aggregated level.

The dependent variables are therefore the following:

- Whether the household spends on information technology goods (coded 1) or not (coded 0) for the selection, and the logarithm of the amount of information goods expenditures, for the regression.
- Whether the household spends on information technology services (coded 1) or not (coded 0) for the selection, and the logarithm of the amount of information services expenditures, for the regression.
- Whether the household spends on communication goods (coded 1) or not (coded 0) for the selection, and the logarithm of the amount of communication goods expenditures, for the regression.
- Whether the household spends on communication services (coded 1) or not (coded 0) for the selection, and the logarithm of the amount of communication services expenditures, for the regression.

Descriptive statistics of the dependent and independent variables by country are provided in Annex Table 2.

The effects of the independent variables on each of the dependent variable, mirrored by the coefficients in the tables, are analysed and discussed in the next section. An empty cell indicates that the corresponding variable could not be included in the regression, either because of strong collinearity with other variables or due to a low quality of the data.

Differences observed between communication goods and communication services should also be interpreted bearing in mind that the supply of communication services, in many countries, may incorporate the supply of communication goods (provided as package), reflecting a blurring of the frontier between goods and services.

3. Results and discussion

3.1 IT goods and services

IT goods – selection

The probability of spending on IT goods increases with the income in all the countries. The effect of income on the probability is particularly strong in Spain and Slovak Republic, and weak in the Netherlands, and seems to be relatively similar in countries such Canada, Finland, France.

The probability of spending on IT goods also increases –generally monotonically- with the level of education of the household's reference person: the higher the level of education of the household's reference person, the higher the probability of spending on IT goods. In Finland however, a household whose reference person has a medium level of education has the highest probability of spending on IT goods, followed by households whose reference person has a high level of education.

Living in a densely populated area generally increases the probability that the household will spend on IT goods, except in France and Belgium. The effect of the population density is generally monotonic.

Households with children have a higher probability of spending on IT goods compared with households without children. This is in line with what has been generally observed concerning the adoption of ICT within households.

In all the countries, the probability of spending on IT goods decreases with the age of the household's reference person.

The effect of living in a couple is somewhat different among countries: households living in couple have a higher probability of spending on IT goods in five countries, but a lower probability in six others.

If the household's reference person is a man, it generally increases the probability of spending on IT goods, except in the Slovak Republic.

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	-0.814	0.017	0.570	0.312	0.146	0.067	0.484			
	SE	0.0028	0.0002	0.0025	0.0018	0.0017	0.0019	0.0016			
Belgium	Coef.	-2.734	0.288	0.149	0.040	0.017	-0.101	0.088	-0.012	-0.051	0.168
	SE	0.0176	0.0017	0.0026	0.0027	0.0048	0.0049	0.0026	0.0001	0.0022	0.0022
Canada ²	Coef.	-2.583	0.455	0.620	0.276	0.0	17	0.266	-0.030	0.165	0.046
	SE	0.0076	0.0007	0.0015	0.0013	0.00	15	0.0017	0.00003	0.0012	0.0011
Czech Republic	Coef.	-3.946	0.327	0.2853 *	0.1669 *	0.261	0.1685 *	0.378	-0.021	0.733	0.1730 **
-	SE	0.8722	0.0580	0.0953 *	0.0579 *	0.0626	0.0685 *	0.0586	0.00202	0.1023	0.1006 **
Denmark	Coef.	-2.842	0.278	0.388	0.303	0.248	0.132	0.294			
	SE	0.01092	0.00105	0.00260	0.00200	0.00217	0.00224	0.00230			
Finland	Coef.	-4.636	0.436	0.407	0.427	0.142	0.194	0.465			
	SE	0.01428	0.00142	0.00239	0.00207	0.00201	0.00247	0.00245			
France	Coef.	-3.625	0.427	0.221	0.174	-0.099	0.007	0.112	-0.020	-0.087	0.079
	SE	0.0046	0.0005	0.0008	0.0006	0.0006	0.0008	0.0007	0.0000	0.0006	0.0006
Greece	Coef.	-4.582	0.454	0.180	0.089	0.258	0.146	0.503	-0.017	-0.149	
	SE	0.0121	0.0012	0.0021	0.0017	0.0015	0.0039	0.0018	0.0001	0.0016	
Hungary	Coef.	-4.965	0.462	0.402	0.235	0.078	0.075	0.328			
	SE	0.0107	0.0012	0.0020	0.0017	0.0018	0.0018	0.0016			
Ireland	Coef.	-2.847	0.349	0.199	0.113	n.a.	n.a.	0.119	-0.015	-0.011	0.151
	SE	0.0179	0.0016	0.0030	0.0029	n.a.	n.a.	0.0027	0.0001	0.0025	0.0024
Netherlands	Coef.	-0.6336 †	0.179	0.535	0.3267 *	n.a.	n.a.	n.a.	-0.018	0.2565 *	0.367
	SE	0.4406 †	0.0416	0.1306	0.1134 *	n.a.	n.a.	n.a.	0.00264	0.0930 *	0.0923
Norway	Coef.	-0.4225 *	0.1144	0.303	0.1607 *	0.0829 *	0.0859 **	0.368	-0.0194		
	SE	0.1419 *	0.0124	0.0536	0.0491 *	0.0387 *	0.0503 **	0.0432	0.0013		
Slovak Republic	Coef.	-6.838	0.570	0.564	0.468	0.205	0.090	0.176	-0.003	0.083	-0.052
	SE	0.0259	0.0026	0.0067	0.0061	0.0033	0.0030	0.0029	0.0001	0.0026	0.0028
Spain	Coef.	-5.476	0.632	0.167	0.146	0.281	0.052	0.166	-0.017	-0.218	0.137
	SE	0.0079	0.0008	0.0011	0.0011	0.0009	0.0010	0.0010	0.00003	0.0008	0.0010
Sweden	Coef.	-2.179	0.292	0.324	0.024	0.024	0.015	n.a.	-0.019	0.235	0.126
	SE	0.0098	0.0010	0.0020	0.0019	0.0016	0.0020	n.a.	0.0000	0.0016	0.0014
Switzerland	Coef.	-3.612	0.389	0.530	0.454	n.a.	n.a.	0.292	-0.012	-0.069	0.074
	SE	0.0134	0.0015	0.0029	0.0027	n.a.	n.a.	0.0017	0.0000	0.0019	0.0019
United Kingdom	Coef.	-3.607	0.373	n.a.	n.a.	-0.0360 †	-0.0311 †	n.a.	-0.014		
	SE	0.1356	0.0118	n.a.	n.a.	0.0328 †	0.0383 †	n.a.	0.000547		

Table 1. IT goods – selection¹

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: OECD, based on data from the Czech Statistical Office, Eurostat, Statistics Canada, and the Swiss Federal Statistical Office.

IT goods – regression

The income elasticity varies from 0.187 in Sweden to 0.83 in Switzerland. In most of the countries, the higher the level of education of the household's reference person, the more the household spends on IT goods. In Denmark, by contrast, households whose reference person has a high level of education spend less on IT goods compared to households whose reference person has a lower level of education.

Overall, the more densely the area is populated, the more the household spends on IT goods. By contrast, this relation is the reverse in France. And in Denmark and Finland, the households living in medium densely populated area spend more than those living in highly densely populated area.

Households with children spend more on IT goods, compared with households without children, in all the countries but France.

IT goods expenditures decrease with the age of the household's reference person.

As for the probability of spending on IT goods, the impact of living in a couple on the level of IT goods expenditure is somewhat different between countries: households living in a couple spend more on IT goods in Canada, Czech Republic and Sweden, but less in five other countries. When the household's reference person is a man, it increases the expenditure on IT goods.

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	6.231	0.015	0.254	0.129	0.073	-0.0029 †	0.048			
	SE	0.0152	0.0003	0.0052	0.0035	0.0024	0.0025 †	0.0039			
Belgium	Coef.	3.240	0.222	0.275	0.039	0.117	-0.157	0.152	-0.009	-0.065	0.304
	SE	0.0552	0.0043	0.0046	0.0046	0.0077	0.0080	0.0040	0.0002	0.0035	0.0041
Canada ²	Coef.	0.053	0.614	0.271	0.089	0.1	51	0.178	-0.017	0.025	0.177
	SE	0.0065	0.0006	0.0013	0.0013	0.00	12	0.0009	0.00003	0.0009	0.0008
Czech republic	Coef.	6.374	0.290	0.524	0.2473 *	0.2133 *	0.1187 †	0.279	-0.023	0.617	0.4253 *
(ols)	SE	1.1707	0.0775	0.1115	0.0771 *	0.0827 *	0.0911 †	0.0628	0.0029	0.1569	0.1621 *
Denmark	Coef.	0.682	0.455	-0.449	0.069	0.110	0.190	0.224			
	SE	0.0333	0.0027	0.0053	0.0045	0.0045	0.0046	0.0041			
Finland	Coef.	2.210	0.345	0.289	0.313	0.124	0.170	0.145			
	SE	0.0265	0.0021	0.0030	0.0029	0.0022	0.0026	0.0026			
France	Coef.	1.569	0.433	0.268	0.159	-0.138	-0.137	-0.250	-0.006	-0.092	0.045
	SE	0.0138	0.0013	0.0012	0.0011	0.0009	0.0012	0.0010	0.0001	0.0009	0.0009
Greece	Coef.	-0.406	0.550	0.208	0.161	0.025	-0.124	0.344	-0.017	-0.208	
	SE	0.0248	0.0022	0.0029	0.0025	0.0022	0.0056	0.0031	0.0001	0.0024	
Hungary	Coef.	1.165	0.365	0.224	0.100	0.022	-0.038	0.018			
• •	SE	0.0296	0.0025	0.0030	0.0025	0.0025	0.0025	0.0024			
Ireland	Coef.	3.320	0.278				1				
(ols)	SE	0.2909	0.02577								
Netherlands	Coef.	3.918	0.238	0.1916 †	-0.0009 †	n.a.	n.a.	n.a.	-0.011		
(ols)	SE	0.3946	0.0358	0.1250 †	0.1183 †	n.a.	n.a.	n.a.	0.0024		
Norway	Coef.	5.189	0.092	0.297	0.1344 **						
(ols)	SE	0.2207	0.0163	0.0820	0.0797 **						
Slovak Republic	Coef.	-0.7335 †	0.560								
(ols)	SE	1.2264 †	0.1305								
Spain	Coef.	-0.345	0.576	0.484	0.365	0.151	0.054	0.072	-0.026	-0.105	0.133
	SE	0.0190	0.0018	0.0017	0.0017	0.0016	0.0018	0.0015	0.0001	0.0015	0.0017
Sweden	Coef.	4.492	0.187	0.087	0.052	0.244	0.023	n.a.	-0.008	0.043	0.112
	SE	0.0176	0.0016	0.0025	0.0022	0.0017	0.0021	n.a.	0.0001	0.0018	0.0016
Switzerland	Coef.	-4.398	0.835	0.669	0.654	n.a.	n.a.	0.200	-0.021	-0.180	0.268
	SE	0.0280	0.0030	0.0062	0.0059	n.a.	n.a.	0.0032	0.0001	0.0036	0.0034
United Kingdom	Coef.	3.523	0.317	n.a.	n.a.	-0.1484 †	-0.0261 †	n.a.	-0.0052 *		
(ols)	SE	0.4356	0.0382	n.a.	n.a.	0.1068 †	0.1247 †	n.a.	0.0020 *		

Table 2. IT goods – regression¹

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

IT services – selection

The probability to spend on IT services increases with the income in all the countries, and the effect of income on the probability is particularly strong in France, Ireland and Slovak Republic.

The education level of the household's reference person always has a positive, generally inverse ushaped, effect on the probability that this household will spend on IT services. In a significant number of countries, the strongest effect is provided by the medium level of education, followed by the highest level of education.

The household probability of spending on IT services generally increases with the population density of the area where the household lives. However, the relation is inverted in Sweden. And in that country and in the Slovak Republic and the United Kingdom, households living in a highly densely populated area have the lowest probability of spending on IT services compared with households living in other areas.

Households with children have a higher probability of spending on IT services, except in Hungary and Switzerland. The positive effect of a child's presence is the strongest in Ireland.

The effect of age on the probability of households spending on IT services varies according to the country, contrasting with its systematic negative orientation with respect to IT goods.

Households living in a couple have generally a higher probability of spending on IT services, except in Slovak Republic and Spain.

The gender of the household's reference person does not have a similar effect in all the countries on the probability of the household spending on IT services. This contrasts with the positive effect on the probability of spending on IT goods when the household's reference person is a man.

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	-1.349	0.010	0.179	0.159	0.197	0.091	0.069	0.003	0.022	0.089
	SE	0.0047	0.0003	0.0029	0.0021	0.0019	0.0022	0.0020	0.0001	0.0018	0.0018
Belgium	Coef.	-1.124335	0.208099								
0	SE	0.0141	0.0014								
Canada ²	Coef.	-3.070	0.383	0.495	0.191	0.1	12	0.281	-0.0003	0.508	-0.191
	SE	0.0083	0.0008	0.0017	0.0015	0.00)17	0.0019	0.00004	0.0014	0.0012
Czech Republic	Coef.	-2.7465 *	0.1763 *	-0.0924 †	0.339	-0.1146 †	0.0148 †	0.0755 †	0.027	0.736	
	SE	1.1917 *	0.0798 *	0.1305 †	0.0940	0.0956 †	0.1099 †	0.0719 †	0.00307	0.0927	
Denmark	Coef.	-1.771	0.340								
	SE	0.0125	0.0012								
Finland	Coef.	-1.010	0.226								
	SE	0.0179	0.0017								
France	Coef.	-7.076	0.734								
	SE	0.0039	0.0004								
Greece	Coef.	0.588	0.192	0.161	0.284	0.749	3.3740 †	0.040	-0.001		
	SE	0.0582	0.0054	0.0128	0.0104	0.0113	9.4331 †	0.0093	0.0002		
Hungary	Coef.	-3.689	0.347	0.323	0.310	1.009	0.600	-0.090			
	SE	0.0100	0.0011	0.0020	0.0017	0.0018	0.0017	0.0017			
Ireland	Coef.	-5.411	0.580	0.320	0.257	n.a.	n.a.	0.523			
	SE	0.0186	0.0018	0.0041	0.0037	n.a.	n.a.	0.0039			
Netherlands	Coef.	-1.811	0.0858 **	0.1771 *							
	SE	0.4824	0.0473 **	0.0785 *							
Norway	Coef.	-1.536	0.0274 *	0.1531 *	0.1732 *	0.1179 *	0.207				
-	SE	0.1633	0.0122 *	0.0606 *	0.0573 *	0.0436 *	0.0552				
Slovak Republic	Coef.	-4.366	0.527	0.428	0.464	-0.239	0.172	0.226	0.008	-0.112	-0.074
-	SE	0.0228	0.0025	0.0048	0.0035	0.0032	0.0029	0.0032	0.0001	0.0028	0.0028
Spain	Coef.	-4.742	0.445	0.036	0.075	0.245	0.204	0.061	-0.008	-0.190	0.198
•	SE	0.0077	0.0007	0.0010	0.0010	0.0008	0.0010	0.0009	0.00003	0.0008	0.0010
Sweden	Coef.	-1.685	0.151	0.031	0.314	-0.214	-0.081	n.a.	0.028	0.412	0.056
	SE	0.0102	0.0010	0.0031	0.0031	0.0022	0.0029	n.a.	0.0001	0.0023	0.0020
Switzerland	Coef.	-3.756	0.531	0.202	0.174	n.a.	n.a.	-0.028	0.011	0.375	-0.126
	SE	0.0214	0.0025	0.0043	0.0037	n.a.	n.a.	0.0034	0.00008	0.0034	0.0031
United Kingdom	Coef.	0.764	0.314	n.a.	n.a.	-0.1297 *	0.0216 +	n.a.	-0.046	0.132	
-	SE	0.1698	0.0148	n.a.	n.a.	0.0452 *	0.0533 †	n.a.	0.0009	0.0285	

Table 3. IT services – selection¹

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

IT services – regression

The income elasticity is varies from 0.07 in Finland to 0.6 in France.

In most of countries, when the household's reference person has a high level of education, the household has a higher expenditure on IT services, compared to households whose reference person has a low level of education. By contrast, for households whose reference person has a high level of education, the level of expenditure is lower in Ireland and in Switzerland.

Households living in densely populated areas generally spend more on IT services, except in Norway and Sweden.

Household expenditure on IT services decreases with age in three European countries, contrasting with Canada and Switzerland where they increase.

Households with children spend more on IT services compared with households without children. Similarly, households living in a couple also spend more on IT services.

The gender of the household's reference person does not have a homogenous effect on the level of IT services expenditure of that household.

Table 4. IT services – regression¹

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	6.840	0.0096 *								
(ols)	SE	0.0435	0.0044 *								
Belgium	Coef.	4.123	0.090								
	SE	0.0073	0.0007								
Canada ²	Coef.	2.779	0.323	0.077	0.078	0.08	33	0.064	0.001	0.119	-0.024
	SE	0.0036	0.0003	0.0007	0.0007	0.00	07	0.0005	0.00002	0.0005	0.0004
Czech Republic	Coef.	8.071	0.179	0.0605 †	0.0289 †	0.106	0.0930 *	0.097	0.0007 †	0.208	
	SE	0.3752	0.0248	0.0377 †	0.0242 †	0.0260	0.0285 *	0.0212	0.0009 †	0.0264	
Denmark	Coef.	4.621	0.129								
	SE	0.0049	0.0005								
Finland	Coef.	4.664	0.070								
	SE	0.0027	0.0003								
France	Coef.	-1.356	0.603								
	SE	0.0033	0.0003								
Greece	Coef.	0.679	0.316	0.183	0.082	0.064	0.0148 †	0.121			
(ols)	SE	0.1475	0.0147	0.0275	0.0216	0.0188	0.0494 †	0.0206			
Hungary	Coef.	3.429	0.151	0.092	0.104	0.233	0.125	0.036			
	SE	0.0101	0.0008	0.0011	0.0010	0.0020	0.0016	0.0009			
Ireland	Coef.	3.353	0.228	-0.0038 *	0.089	n.a.	n.a.	0.040			
	SE	0.0155	0.0013	0.0016 *	0.0017	n.a.	n.a.	0.0015			
Norway	Coef.	5.726	0.166	-0.985	-0.739	-0.3228 *					
(ols)	SE	0.3987	0.0306	0.1717	0.1621	0.1026 *					
Slovak Republic	Coef.	2.287	0.179	0.160	0.098	0.447	0.300	0.016	-0.007	0.0024 *	-0.013
-	SE	0.0110	0.0011	0.0021	0.0017	0.0013	0.0011	0.0012	0.0000	0.0010 *	0.0011
Spain	Coef.	-0.8908 †	0.470								
(ols)	SE	0.7401 †	0.0713								
Sweden	Coef.	4.582	0.108	0.072	0.132	-0.042	-0.057	n.a.	-0.002	0.076	0.083
	SE	0.0043	0.0004	0.0009	0.0008	0.0007	0.0008	n.a.	0.0000	0.0007	0.0006
Switzerland	Coef.	2.511	0.125	-0.092	-0.053	n.a.	n.a.	0.022	0.003	0.045	0.034
	SE	0.0054	0.0006	0.0009	0.0008	n.a.	n.a.	0.0006	0.0000	0.0007	0.0006
United Kingdom	Coef.	3.563	0.227	n.a.	n.a.	0.0840 *	0.0409 †	n.a.	-0.003	0.0248 †	
(ols)	SE	0.1462	0.0127	n.a.	n.a.	0.0393 *	0.0459 †	n.a.	0.0007	0.0225 †	

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

IT goods and services

Overall, the effects of the various explanatory variables seem to be more homogeneous, as far as both selection and regression are concerned, for IT goods compared with IT services. In addition, the effects between selection and regression seem to be much more similar for IT goods as for IT services.

For IT goods, income, education, child, population density in the area where the household live and household's reference person being a man are all factors which generally increase both the probability of spending and the level of expenditure of the household. And both the probability and the level decrease with age. By contrast, the fact that the household lives in a couple does not lead to similar effects.

For IT services, income, child, and the fact that households live in a couple, are factors that have a positive effect on both probability and level of expenditures. Education generally has a positive effect on the probability of spending on IT services but the effect is less homogeneous as regards the level of expenditure. And age, population density in the area where the household live and household's reference person being a man are all factors which have a rather heterogeneous effect on both the probability of spending and on the level of expenditure.

3.2 Communication goods and services

Communication goods – selection

The probability of spending on communication goods increases with the income in all the countries. The positive effect of income on the probability is relatively strong in Belgium and Spain, weaker in France and Denmark, and seems to be relatively similar among countries such as Canada and Finland, or Czech Republic and Switzerland.

The probability of spending on communication goods also increases with the level of education of the household's reference person: the higher the level of education of the household's reference person, the higher generally is the probability of spending on communication goods. In Finland, Norway, and the Slovak Republic however, a household whose reference person has a medium level of education has the highest probability of spending on ICT, followed by households whose reference person has a high level of education. In Ireland, by contrast, for households whose reference person has a high level of education, the probability of spending in communication goods is the lowest.

Living in a densely populated area tends to have a more heterogeneous effect, depending on the country, on the probability that the household will spend on communication goods.

As observed for IT goods, households with children generally have a higher probability of spending on communication goods, compared with households without children. And in all the countries, the probability of spending on communication goods decreases with the age of the household's reference person.

The impact of living in a couple is generally positive, except in Ireland and spain.

If the household's reference person is a man, the effect varies according to the country.

Table 5. Communication	goods – selection ¹
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		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	-2.236	0.008	0.182	0.125	-0.059	0.0013 †	0.289			
	SE	0.0061	0.0005	0.0055	0.0041	0.0036	0.0040 †	0.0032			
Belgium	Coef.	-5.521	0.408								
	SE	0.0208	0.0019								
Canada ²	Coef.	-2.000	0.174	0.130	0.116	-0.0	07	0.079	-0.011	0.061	-0.046
	SE	0.0059	0.0006	0.0012	0.0012	0.00	12	0.0009	0.00003	0.0009	0.0008
Czech republic	Coef.	-4.090	0.227	-0.0130 †	0.0504 †	0.1917 *	0.0359 †	0.274	-0.007	0.514	
	SE	0.8605	0.0567	0.0836 †	0.0550 †	0.0589 *	0.0657 †	0.0470	0.0019	0.0613	
Denmark	Coef.	-2.482	0.118	0.103	0.095	0.053	0.043	0.298			
	SE	0.0165	0.0016	0.0030	0.0024	0.0025	0.0026	0.0025			
Finland	Coef.	-2.376	0.163	0.077	0.211	0.051	0.032	0.590			
	SE	0.0141	0.0014	0.0024	0.0021	0.0020	0.0024	0.0022			
France	Coef.	-2.200	0.101	0.360	0.301	-0.094	0.052	0.280			
	SE	0.0048	0.0005	0.0008	0.0007	0.0006	0.0009	0.0007			
Greece	Coef.	-3.429	0.178	0.214	0.031	0.068	0.187	0.073	-0.007	0.040	-0.068
	SE	0.0219	0.0022	0.0036	0.0032	0.0026	0.0063	0.0032	0.0001	0.0029	0.0033
Hungary	Coef.	-3.202	0.282	0.093	0.049	-0.071	0.089	0.191	-0.013		
	SE	0.0146	0.0015	0.0024	0.0021	0.0023	0.0022	0.0020	0.0001		
Ireland	Coef.	-2.998	0.291	-0.088	0.045	n.a.	n.a.	0.421	-0.018	-0.243	0.177
	SE	0.0185	0.0017	0.0031	0.0030	n.a.	n.a.	0.0027	0.0001	0.0026	0.0026
Netherlands	Coef.	-2.150	0.163								
	SE	0.4240	0.0412								
Norway	Coef.	-0.766	0.0218 *								
	SE	0.1297	0.0101 *								
Slovak Republic	Coef.	-5.202	0.307	0.0258 *	0.050	0.093	-0.061	-0.074	-0.0004 **	0.103	0.108
	SE	0.0551	0.0057	0.0124 *	0.0106	0.0068	0.0065	0.0065	0.0002 **	0.0057	0.0064
Spain	Coef.	-4.921	0.429	0.173	0.068	0.070	-0.053	0.079	-0.011	-0.098	0.073
	SE	0.0092	0.0009	0.0011	0.0012	0.0010	0.0012	0.0010	0.0000	0.0009	0.0011
Sweden	Coef.	-1.290	0.138	0.087	0.047	-0.063	0.014	n.a.	-0.017	0.093	-0.026
	SE	0.0109	0.0011	0.0022	0.0021	0.0017	0.0020	n.a.	0.0001	0.0017	0.0015
Switzerland	Coef.	-3.473	0.229	0.182	0.174	n.a.	n.a.	0.028	-0.010	0.110	-0.037
	SE	0.0237	0.0027	0.0052	0.0049	n.a.	n.a.	0.0028	0.0001	0.0033	0.0031
United Kingdom	Coef.	-3.635	0.207	n.a.	n.a.	-0.0346 †	0.0615 †	n.a.	-0.007		
	SE	0.2593	0.0223	n.a.	n.a.	0.0617 †	0.0706 †	n.a.	0.0011		

The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.
 Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

Communication goods - regression

The income elasticity varies from 0.13 in Ireland to 0.52 in Denmark.

The level of education of the household's reference person has a very heterogeneous effect on the level of expenditure that a household devotes to communication goods.

Households living in a high densely populated area spend less on communication goods in European countries but more in Canada.

Households with children spend more on communication goods, compared with households without children, in all the countries except Hungary.

As with IT goods expenditure, communication goods expenditure decreases with the age of the household's reference person.

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Belgium	Coef.	2.749	0.256								
	SE	0.1078	0.0071								
Canada ²	Coef.	1.634	0.295	-0.030	0.035	0.1	33	0.089	-0.005	-0.101	0.016
	SE	0.0312	0.0018	0.0020	0.0020	0.00	14	0.0013	0.0001	0.0012	0.0010
Denmark	Coef.	-1.6075 †	0.518								
(ols)	SE	1.5393 †	0.1418								
Finland	Coef.	2.325	0.239	-0.046	0.097	-0.021	0.075	0.160			
	SE	0.0351	0.0022	0.0030	0.0032	0.0024	0.0028	0.0054			
France	Coef.	2.199	0.210	0.085	-0.0235 *	-0.126	-0.021	0.0266 *			
	SE	0.1137	0.0037	0.0131	0.0111 *	0.0037	0.0027	0.0101 *			
Greece	Coef.	1.4471 **	0.315								
(ols)	SE	0.8526 **	0.0808								
Hungary	Coef.	2.350	0.209	0.104	0.069	-0.0066 *	0.037	-0.097	-0.004		
	SE	0.0334	0.0027	0.0032	0.0028	0.0031 *	0.0029	0.0029	0.0001		
Ireland	Coef.	3.510	0.136	-0.159	-0.139	n.a.	n.a.	0.133			
(ols)	SE	0.2259	0.0206	0.0397	0.0400	n.a.	n.a.	0.0330			
Netherlands	Coef.	0.9976 *	0.236								
	SE	0.4997 *	0.0460								
Spain	Coef.	1.2264 †	0.2635 *								
(ols)	SE	0.8771 †	0.0839 *								
Sweden	Coef.	4.269	0.147	-0.0973 †	0.0390 †	-0.0318 †	-0.1959 *	n.a.	-0.013		
(ols)	SE	0.3618	0.0349	0.0975 †	0.0954 †	0.0750 †	0.0890 *	n.a.	0.0024		
Switzerland	Coef.	-0.5026 †	0.513								
(ols)	SE	1.3844 †	0.1506								

Table 6. Communication goods – regression¹

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

Communication services – selection

The probability of spending on communication services increases with the income in all the countries. The positive effect of income on the probability is particularly strong in Spain, contrasting with its weakness in Denmark.

The education level of the household's reference person always has a positive effect on the probability that this household will spend on communication services. In a significant number of countries though, the strongest effect is provided by the medium level of education, followed by the highest level of education.

The household probability of spending on communication services generally increases with the population density in the area where the household lives. In Denmark and Canada, households living in a highly densely populated area have the lowest probability of spending on IT services compared with households living in other areas.

Households with children have a higher probability of spending on communication services, except in Denmark, the Slovak Republic and Switzerland. The positive effect of a child's presence is the strongest in Canada.

The effect of age on the probability of households spending on communication services is generally positive, except in Austria and Ireland. This overall positive effect contrasts with the generally negative effect observed as far as IT goods and communication goods are concerned.

The impact of living in a couple is positive on the probability of spending on communication services, except in Finland. The impact is the strongest in Ireland.

If the household's reference person is a man, it decreases the probability of spending on communication services in all the countries.

		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	-0.316	0.015	0.047	0.144	0.153	0.042	0.113	-0.004	0.057	
	SE	0.0040	0.0002	0.0026	0.0018	0.0017	0.0019	0.0018	0.0000	0.0015	
Belgium	Coef.	-1.124	0.153	0.375	0.278	0.215	0.114	0.137			
	SE	0.0169	0.0016	0.0028	0.0029	0.0053	0.0054	0.0028			
Canada ²	Coef.	-2.356	0.374	0.540	0.265	-0.0	32	0.793	0.008	0.138	-0.238
	SE	0.0136	0.0013	0.0032	0.0026	0.00	32	0.0053	0.0001	0.0026	0.0022
Czech Republic	Coef.	-2.8671 †	0.3896 *	0.1494 †	0.646	0.1138 †	0.0585 †	0.2436 †	-0.025	0.818	
	SE	1.9711 †	0.1343 *	0.2150 †	0.1584	0.1380 †	0.1494 †	0.1712 †	0.0048	0.1371	
Denmark	Coef.	1.731	0.010	0.348	0.182	-0.048	0.293	-0.032			
	SE	0.0245	0.0024	0.0059	0.0042	0.0043	0.0052	0.0047			
Finland	Coef.	-2.012	0.396	0.183	0.312	0.361	0.120	0.319	0.003	-0.029	-0.398
	SE	0.0409	0.0043	0.0066	0.0057	0.0062	0.0064	0.0087	0.0001	0.0061	0.0051
France	Coef.	-4.161	0.565	0.177	0.0024 *	0.173	0.043				
	SE	0.0068	0.0007	0.0015	0.0010 *	0.0010	0.0014				
Greece	Coef.	-8.141	1.054	5.3070 †	0.772	0.390	-0.195	0.677			
	SE	0.0484	0.0052	0.0000 †	0.0082	0.0065	0.0090	0.0086			
Hungary	Coef.	-5.537	0.790	0.555	0.650	0.158	0.031	0.055			
	SE	0.0157	0.0019	0.0052	0.0039	0.0031	0.0028	0.0034			
Ireland	Coef.	-0.117	0.252	0.292	0.207	n.a.	n.a.	0.285	-0.008	0.856	-0.356
	SE	0.0332	0.0030	0.0103	0.0086	n.a.	n.a.	0.0114	0.0002	0.0109	0.0063
Slovak Republic	Coef.	-3.554	0.470	0.299	0.379	0.029	0.157	-0.187			
	SE	0.0181	0.0021	0.0045	0.0032	0.0030	0.0026	0.0027			
Spain	Coef.	-6.956	0.901	0.072	-0.082	0.321	0.043	0.132			
	SE	0.0152	0.0016	0.0038	0.0030	0.0020	0.0023	0.0025			
Sweden	Coef.	0.106	0.123	0.102	0.075	0.331	0.0061 †	n.a.	0.011	0.521	-0.292
	SE	0.0148	0.0014	0.0046	0.0042	0.0040	0.0041 †	n.a.	0.0001	0.0037	0.0032
Switzerland	Coef.	1.651	0.033	0.203	0.309	n.a.	n.a.	-0.120	0.012	0.660	-0.417
	SE	0.0557	0.0066	0.0112	0.0102	n.a.	n.a.	0.0088	0.0002	0.0091	0.0084
United Kingdom	Coef.	-2.7957	0.4065	n.a.	n.a.	-0.0543 †	-0.0479 †	n.a.	0.0110	0.2949	-0.1993
	SE	0.1674	0.0149	n.a.	n.a.	0.0631 †	0.0735 †	n.a.	0.0009	0.0399	0.0327

Table 7. Communication services – selection¹

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

Communication services - regression

The income elasticity varies from 0.09 in Denmark to 0.7 in the Slovak Republic.

In most of countries, when the household's reference person has a high level of education, the household has a higher expenditure on communication services, compared with households whose reference person has a low level of education. In more than half the countries, the higher the level of education of the household's reference person, the more the household spends on communication services. By contrast, in Finland and Ireland, for households whose reference person has a high level of education, the level of education, the level of education, the level of education, the level of education has a high level of education.

Households living in a densely populated area generally spend more on communication services, except in Canada and France.

Households with children spend more on communication services, compared with households without children.

Households' expenditure on communication services decrease with age.

The effect of living in a couple differs among countries: a household living in a couple have a higher probability of spending on IT services in four countries, but a lower one in four others.

Similarly, if the household's reference person is a man, the effect varies according to the country.

Table 8	Communication	services	-regression ¹
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		intercept	In income	d_edu_high	d_edu_med	d_geo_high	d_geo_med	d_child	age	d_cple	d_male
Austria	Coef.	6.837	0.0114 *	0.223	0.178	0.099					
(ols)	SE	0.0550	0.0047 *	0.0502	0.0357	0.0285					
Belgium	Coef.	3.558	0.265	0.237	0.142	0.107	0.046	0.061			
-	SE	0.0127	0.0011	0.0020	0.0020	0.0035	0.0036	0.0016			
Canada ²	Coef.	3.469	0.317	0.040	0.069	-0.0	34	0.087	-0.004	0.055	-0.092
	SE	0.0030	0.0003	0.0006	0.0006	0.00	06	0.0005	0.00001	0.0004	0.0004
Czech Republic	Coef.	8.894	0.222	0.1318 *	0.110	0.122	0.0086 †	0.183	-0.008	0.598	
	SE	0.4593	0.0304	0.0465 *	0.0302	0.0325	0.0358 †	0.0261	0.0011	0.0325	
Denmark	Coef.	5.199	0.089	0.033	0.134	0.135	0.071	0.313			
	SE	0.0076	0.0007	0.0017	0.0013	0.0014	0.0015	0.0014			
Finland	Coef.	1.542	0.504	-0.119	-0.0363 †	0.0140 †	0.0374 †	0.268	-0.009	-0.0728 *	
(ols)	SE	0.1922	0.0195	0.0299	0.0275 †	0.0238 †	0.0289 †	0.0282	0.0007	0.0252 *	
France	Coef.	3.163	0.397	0.096	0.058	-0.117	-0.0485 *	0.071	-0.014	-0.169	
(ols)	SE	0.1240	0.0125	0.0221	0.0174	0.0157	0.0223 *	0.0190	0.0005	0.0158	
Greece	Coef.	0.217	0.600	0.340	0.300	0.069	-0.030	0.176			
	SE	0.0050	0.0005	0.0009	0.0007	0.0006	0.0017	0.0007			
Hungary	Coef.	0.490	0.560	0.393	0.264	0.155	0.029	0.020			
	SE	0.0054	0.0006	0.0010	0.0009	0.0009	0.0009	0.0008			
Ireland	Coef.	2.156	0.541	-0.143	-0.0010 †	n.a.	n.a.	0.152	-0.022	-0.178	-0.008
	SE	0.0106	0.0009	0.0019	0.0018 †	n.a.	n.a.	0.0017	0.0001	0.0016	0.0015
Netherlands	Coef.	5.221	0.178	0.1197 *	0.1040 *	n.a.	n.a.	n.a.	-0.012		
(ols)	SE	0.1884	0.0175	0.0546 *	0.0502 *	n.a.	n.a.	n.a.	0.0010		
Norway	Coef.	6.239	0.095								
	SE	0.2092	0.0164								
Slovak Republic	Coef.	-1.181	0.693	0.305	0.251	0.184	0.145	0.020			
	SE	0.0144	0.0014	0.0024	0.0021	0.0014	0.0013	0.0012			
Spain	Coef.	-0.729	0.665	0.148	0.176	0.102	0.082	0.019			
	SE	0.0036	0.0004	0.0005	0.0005	0.0004	0.0005	0.0004			
Sweden	Coef.	5.313	0.165	0.106	0.119	0.109	0.061	n.a.	-0.014	0.059	0.040
	SE	0.0043	0.0004	0.0010	0.0009	0.0008	0.0009	n.a.	0.0000	0.0008	0.0007
Switzerland	Coef.	2.577	0.312	0.026	0.037	n.a.	n.a.	0.226	-0.015	0.068	0.012
	SE	0.0064	0.0007	0.0013	0.0011	n.a.	n.a.	0.0008	0.0000	0.0009	0.0009
United Kingdom	Coef.	4.127	0.308	n.a.	n.a.	0.0085 †	-0.0165 †	n.a.	-0.016	-0.068	-0.0184 **
	SE	0.0738	0.0064	n.a.	n.a.	0.0179 †	0.0209 †	n.a.	0.0003	0.0112	0.0109 **

1. The coefficients have all a p value < .001, except: * p<.05; **p<0.1; † p>=0.1.

2. Income instead of equivalent income. Urban instead of d_geo_high and d_geo_med. See methodology.

Source: see Table 1.

Communication goods and services

Overall, the various explanatory variables have diverging effects according to whether we are referring to communication goods or communication services:

- Concerning the probability of spending, the population density in the area where the household is living generally has a positive effect where services are concerned, whereas the effect is much more variable across countries where goods are concerned. Similarly, if the household's reference person is a man, this has a negative effect on services, whereas the effect is much more variable across countries where goods are concerned.
- Concerning the level of expenditure, it is generally higher for households whose reference
 person has a high level of education, where services are concerned, whereas this is not so
 frequently the case where goods are concerned.
- Age has opposite effects on goods and services in the selection (negative for goods, more positive for services). Geographical densely populated area also has opposite effects in the regression (more positive for services, more negative for goods).

In addition, where both communication goods and communication services are concerned, the effects of variables are not always the same on the probability of spending and the amount spent.

- *For communication goods*, the education level of the household's reference person generally has a positive effect on the probability of spending. But this effect on the amount spent is much more heterogeneous, depending on the country.
- *For communication services*, the probability of spending increases with age, but the amount spent decreases with age.

3.3 Main pattern of determinants

Determinants could be classified according to the homogeneity of their effect on ICT expenditures.

- First, income and child have positive effect on the probability to spend and on the level of expenditures in all types of ICT expenditures.
- Second, education level has generally positive and monotonic effect for IT goods and services and communication services. But the effect is more variable across countries for communication goods.
- Third, geographical area has positive effect monotonic for the probability, but not for the amount spent- on IT goods and communication services. But the effect is more variable across countries for communication goods and IT services.
- Fourth, age decreases both the probability to spend and the amount spent on goods. The effect is more variable for services.
- Fifth, if the household's reference person is a man, it has an increasing effect for both the probability to spend and on the level of expenditures on IT goods. For IT services and communication goods and services, the effect is more variable.
- Sixth, to live in a couple has an increasing effect for the probability to spend and a decreasing effect on the amount spend for communication goods and services. The effect is positive for IT services but more variable for IT goods.

Two main patterns of determinants of Household's expenditures on ICT seem to emerge, both relatively similar across countries (Figure 1): one for IT goods, one for communication services. They distinguish from each other for age and gender effects. Age decreases the probability to spend on IT goods but increases the probability to spend on Communication services. And if the household's reference person is a man, it has an increasing effect for both the probability to spend and on the level of expenditures on IT goods, but a more variable effect for communication services.

Otherwise, both for IT goods and communication services, income, education level, geographical area and child have positive effects on the probability to spend and on the level of expenditures.

Communication goods could fall under the "communication" umbrella for couple effect and under the "goods" umbrella for age and gender effect. IT services is compatible both with IT goods and communication services features.

Figure 1. The effects¹ of selected determinants on households ICT expenditure

	Informatio	on Techno	logy			Communication					
Goods	income education level geographical area child age couple gender (male)	probability + + + + + + + + + / -	n 17 16 14 13 11 10	level + + + + + + + + + +	n 17 14 12 11 10 8 7	income education level geographical area child age couple gender (male)	probability + + / - + - + + + / -	n 17 14 12 12 10 8 7	level + + / - - + - + +	n 12 6 5 3 1 1	
Services	income education level geographical area child age couple gender (male)	probability + + / - + + / - + + + / -	n 17 12 10 9 8 6	level + +/- +/- +/- +/-	n 16 9 8 7 6 5 4	income education level geographical area child age couple gender (male)	probability + + + + + + + -	n 17 14 13 12 8 8 6	level + + + + + + + +/- +/-	n 17 15 13 12 8 8 5	

(n= number of countries where results are available)

1. Main effect observed across countries. The sign "+ / -" mirrors no dominant trend across countries. *Source:* see Table 1.

Conclusion and next steps

A first step into the analysis of determinants of household's ICT expenditures has shown that some determinants, at the level of more elementary expenditures components (IT goods, IT services, Communication goods and communication services) have significant and relatively similar effects, as expected in the research questions. This is the case of income and presence of children, which have generally a positive impact on both the probability to spend and the level of expenditures.

The effects of other determinants are less similar across countries or between goods and services, but do not invalidate the assumptions made in the initial questions.

The marked different effects between communication services and information technology goods also mirror the fact that ICT goods and services do not necessarily follow a uniform pattern of consumption. Looking at elementary components is certainly useful for a better understanding of the mechanisms at stake.

Those findings may also call for revisiting in detail the existing ICT expenditure categories in the consumption surveys, especially for cases where the frontier between goods and services is blurring.

This version will be completed by *i*) including the United States in the analysis, *ii*) looking at the effects of the determinants on the share of ICT expenditure devoted to ICT goods, *iii*) looking at the effects of the determinants on hardware and software that can be isolated in the case of United States and Canada, and *iv*) looking at the effects of the existing computer and mobile phone equipment of the households on their ICT goods and services expenditures.

ANNEX – ICT EXPENDITURES DEFINITION AND COUNTRY DATA

1. ICT expenditures: details and components

1.1. ICT expenditures: COICOP items.

COICOP Categories for detailed ICT goods and services:

Communication expenditures

08.2.0 Telephone and fax equipment:

• Purchases of telephones, radio-telephones, telefax machines, telephone-answering machines and telephone loudspeakers.

Repair of such equipment.

Excludes: telefax and telephone-answering facilities provided by personal computers (09.1.3).

08.3.0 Telephone and telefax services:

- Installation and subscription costs of personal telephone equipment.
- Telephone calls from a private line or from a public line (public telephone box, post office cabin, etc.); telephone calls from hotels, cafés, restaurants and the like.
- Telegraphy, telex and telefax services.
- Information transmission services; Internet connection services.

• Hire of telephones, telefax machines, telephone-answering machines and telephone loudspeakers.

Includes: radio-telephony, radio-telegraphy and radiotelex services. Excludes: telefax and telephone answering facilities provided by personal computers (09.1.3).

Audio-visual, photographic and information processing equipment

Definitions COICOP:

- 09.1 Audio-visual, photographic and information processing equipment
- 09.1.1 Equipment for the reception, recording and reproduction of sound and pictures
- 09.1.2 Photographic and cinematographic equipment and optical instruments
- 09.1.3 Information processing equipment
- 09.1.4 Recording media
- 09.1.5 Repair of audio-visual, photographic and information processing equipment

Information and Communication technologies expenditures are made from the sum of communication expenditures and audio-visual, photographic and information processing equipment expenditures.

• 09.4.2 - Cultural services (*)

- Services provided by:

- cinemas, theatres, opera houses, concert halls, music halls, circuses, sound and light shows;
- museums, libraries, art galleries, exhibitions;
- historic monuments, national parks, zoological and botanical gardens, aquaria;

- hire of equipment and accessories for culture, such as television sets, video cassettes, etc.;

- television and radio broadcasting, in particular licence fees for television equipment and subscriptions to television networks;

- services of photographers such as film developing, print processing, enlarging, portrait photography, wedding photography, etc.

Includes: services of musicians, clowns, performers for private entertainments.

(*) When available, the only part which will be included in the ICT expenditures will be "- hire of equipment and accessories for culture, such as television sets, video cassettes, etc." and "television

and radio broadcasting, in particular licence fees for television equipment and subscriptions to television networks".

1.2. ICT expenditures items selected by countries

European countries (including Czech Republic)

For the European countries, according to the available detail level (Eurostat, 2006), the following items have been selected:

Telephone and telefax equipment (HE082) Telephone and telefax services (HE083) Audio-visual, photographic and information processing equipment (HE091)

Television and radio taxes and hire of equipment (HE09423)

The various ICT components are defined as follow:

IT goods include Audio-visual, photographic and information processing equipment (HE091) less Repair of audio-visual, photographic and information processing equipment (HE0915)

IT services include Television and radio taxes and hire of equipment (HE09423) and Repair of audiovisual, photographic and information processing equipment (HE0915).

Communication goods include Telephone and telefax equipment (HE082).

Communication services include Telephone and telefax services (HE083).

Canada

For Canada, according to the available detail level (Statistics Canada, 2008a), the ICT expenditures and their components are defined in the Annex Table 1.

Commu	inication		IT
goods	services	goods	services
Purchases of communications equipment H004	Telephone services H005 Cellular services H008	Computer equipment and supplies M110	Internet services H009 On-line services H070
		Photographic goods (M116 - M199)	Photographic services M199
		Audio equipment M150 Pre-recorded media M151 Blank media M187 Televisions and other video equipment M186 Rental of DVDs, video tapes and video games M156 Rental of home entertainment equipment M157	Cablevision and satellite services M165

Annex Table 1. ICT expenditures and their components in Canada.

Source: OECD, based on Statistics Canada SHS Data Dictionary 2006 Data Model Entity (PUMF).

Switzerland

For Switerland, the most detailed level (level 5) of the classification used by the Household Budget Survey has been used. Consumptions expenditures are classified according to COICOP, as established by EUROSTAT. ICT expenditures items are in line with the other European countries.

2. Country data specificities

2.1 European countries

Data source

The source of the data is the Eurostat database on Household Budget Survey. The reference year is 2005 (Eurostat, 2006).

Income and equivalent income

Income refers to the net income (total income from all sources including non-monetary components minus income taxes).

Equivalent income of the household is used instead of income of the household.

Equivalent income of the household has been calculated by dividing the income of the household by the equivalent size of the household and multiplying the result by the household size:

Equivalent income = income / household equivalent size x household size

Household size refers to the sum of household members.

Household equivalent size is established by allocating weighting coefficients to the household's members according to their demographic characteristics. Given the existence of big differences in the sizes and structures of households, comparability can be improved by using expenditure or income by adult equivalent.

The OECD scale is used, which consists in allocating the following weightings to persons in the calculation of the "equivalent household's size".

- first adult in the household¹ = 1.0
- each adult thereafter (aged over 13) = 0.7
- each child (13 or under) = 0.5

Calculation rule:

Household equivalent size = $0.3 + (0.7^*A) + (0.5^*B)$

A = Sum of household members where MB03 > 13

B = Sum of household members where MB03 < 14

1. The first adult of the household counts by 1 because of the addition of the constant term 0.3, assuming that each household must have at least one adult.

Education level of the reference person

The education level of the reference person corresponds to the level of studies completed by the reference person, using the ISCED (International Standard Classification of Education) nomenclature.

d_edu_high: higher education (ISCED = 5, 6)

d_edu_med: upper secondary education and post-secondary non-tertiary education (ISCED = 3, 4) d_{edu} we none or primary education and lower secondary education (ISCED = 1, 2)

In selection and regression, d_edu_low is used as reference.

Geographical area

Geographical area refers to the population density domain. It has been divided in 3 categories:

d_geo_high: densely populated (at least 500 inhabitants/km2) d_geo_med: intermediate (between 100 and 499 inhabitants/km2) d_geo_low: sparsely populated (less than 100 inhabitants/km2)

In selection and regression, d_geo_low is used as reference.

Reference person

As stated in Eurostat (2006), "reference person" is a European concept, which usually differs from the national concept of "head of household". The reference person is the adult (16+) contributing most to the total income of the household. In that sense, the reference person can also be designated as "main income earner".

2.2 Czech Republic

The source of the data is the *Czech Household Budget Survey (HBS)*, with 2006 as reference year. The variables are in line with the Eurostat definitions. The methodology of the Czech Household Budget Survey (HBS) is provided on the Czech Statistical Office website (http://www.czso.cz/eng/redakce.nsf/i/home).

2.3 Switzerland

The source of the data is the *Household Budget Survey (HBS)*. The reference year is 2005. The geographical area (population density domain) is not available. Education level of the reference person has been aligned with the European countries, based on the education short classification (EWL) and using a mapping of national educational educational programmes with ISCED. Income refers to household income before taxes. It includes income for household from earnings, investment, and from transfer payments. The methodology of the Household Budget Survey (HBS) is provided on the Swiss Federal Statistical Office website:

http://www.bfs.admin.ch/bfs/portal/en/index/infothek/erhebungen quellen/blank/blank/habe/02.html.

2.4 Canada

Data source

The source of the data is the *Survey of Household Spending PUMF 2006*, from Statistics Canada (Statistics Canada, 2008b and 2008c).

Age of the reference person

Age of the reference person is provided by groups. The variable has been modified as follow: For age group of less than 25 year, age value has been put to 22. For age group 25-29, age value has been put to 27. For age group 30-34, age value has been put to 32 (and similarly for other age groups). For age group of 85 and over, age value has been put to 92.

Income

Income refers to household income before taxes. It includes income for household from earnings, investment, government transfer payments and other sources. It excludes personal income tax refunds (Statistics Canada, 2008a).

Education level of the reference person

Statistics Canada provided a concordance table between original codes used in the Canadian microdata file and the 3 levels of ISCED used by Eurostat for the European countries, as follow:

Initial code	Description	ISCED	Education level
1	No degrees, certificates or diplomas	0,1,2	Low
2	Secondary (high) school diploma or equivalent	3	Medium
3	Trade/vocational certificate	4	Medium
4	Apprenticeship certificate	4	Medium
5	Community college, CEGEP or nursing school diploma	5B	High
6	University certificate or diploma below Bachelor's	5B	High
7	Bachelor's degree (B.A., B.Sc., B.Ed.)	5A	High
8	University degree, certificate or diploma above a Bachelor's	5A/6	High

Source: Statistics Canada, Culture, Tourism and the Centre for Education Statistics Division.

In selection and regression, d_edu_low is used as reference.

Urban-rural

Instead of the 3 different levels of population density provided for the European countries, the urban area indicator is used. Urban area is defined as follow (Statistics Canada, 2008c):

For the Survey of Household Spending (based on the LFS sampling frame), urban areas include:

- All large metropolitan areas (even though they do contain some rural areas);

- Most small metropolitan areas (also called census agglomerations). In some cases, where a census agglomeration contains a large rural population, only the urban portion is considered urban;

- Urban areas based on the census definition: "Urban areas have minimum

Population concentrations of 1,000 and a population density of at least 400 per square kilometer based on the previous census population counts."

Rural area

All territory outside urban areas is considered rural. Taken together, urban and rural areas cover all of Canada.

In selection and regression, d_rural is used as reference.

Reference person

The household member being interviewed chooses which household member should be listed as the reference person after hearing the following definition. "The household reference person is the member of the household mainly responsible for its financial maintenance (e.g., pays the rent, mortgage, property taxes, and electricity). This person can be either male or female. When all members of the household share equally, any member may be shown as the reference person." This person must be a member of the household at the time of the interview (Statistics Canada, 2008c).

Annex table 2. Variables by country

Austria						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In_IT_goods	3830	6.584796	21.71636	10105606	-0.787144	10.59144
In IT serv	1698	6.932033	11.08027	5036033.2	3.94019	9.47311
In com goods	215	6.621269	22.91376	539090.79	3.07269	8.83054
In com serv	3835	7 129901	16 79459	11075188	1,20683	9.64398
In eq inc	8400	9.37619	63 47003	32722895	00000	12 20797
d edu high	7719	0 13003	6 87484	419300	0	12.20701
d_edu_med	7710	0.10000	0.07 404	2056308	0	1
d_edu_nieu	8400	0.0077	9 98614	1395870	0	1
d_geo_med	8400	0.03330	8 65600	824000	0	1
d_geo_med	8400	0.2301	0.00099	1005102	0	1
	8400	0.20799	9.23000	176201429	10	00
age	8400	0.41706	340.3400	1/0301420	10	99
u_cpie	8400	0.41700	0.05105	1400004	0	1
a_male	8400	0.64429	9.7586	2768422	0	1
d IT and de	N NON SPE	enaing (=0)	N Spen	aing (=1)		
a_II_goods	4570		3830			
d_II_serv	6702		1698			
d_com_goods	8185		215			
d_com_serv	4565		3835			
Belgium						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	1600	5 992606	30 68412	4702133.3	1 79176	10 03764
In IT serv	3093	5 182435	13 84188	8058731.9	1 94018	11 90543
In com goods	406	5 731046	15 1198	1159544	1.09861	7 83634
In com serv	2026	6 616360	18 01203	9/925/3 /	1 70176	0 38568
In_coni_serv	2520	10 46827	17 26370	18358154	1.73170	12 01155
d odu biab	2406	0.42405	11.20379	750622	0	12.91155
d_edu_mod	2490	0.43405	10.02494	100022	0	1
d_edu_iiieu	2550	0.20224	10.01109	400009	0	1
d_geo_mod	3550	0.39733	10.90109	626667	0	1
d_geo_med	3550	0.35734	10.0020	520007	0	1
	3550	0.29713	10.15001	07770004	0	1
age	3550	50.0539	346.871	8///9294	19	80
a_cpie	3550	0.45079	11.06065	790556	0	1
d_male	3550	0.65296	10.58171	1145101	0	1
	N Non spe	ending (=0)	N Spen	ding (=1)		
d_11_goods	1950		1600			
d_II_serv	457		3093			
d_com_goods	3144		406			
d_com_serv	624		2926			
Canada						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	12359	6.418268	41,74477	69953797	0.693147	10.1973
In IT serv	13647	6.566249	23,90932	77683207	0.693147	9.15736
In com goods	4369	4 715292	26 9094	18014131	0 693147	8 16052
In com serv			2010001		0.000111	0.10002
In_inc	1/618	10 82036	2/ 02811	137807166	5 20832	15 03020
d edu high	1/635	0 44601	1/ 67833	5700643	0.20002	10.00020
d_odu_mod	14635	0.37537	14.07000	4787008	0	1
d_edu_med	14033	0.37337	0 00064	4/0/990	0	1
d_uiban	14010	0.07000	9.00004	2700252	0	1
agobis	14000	10 60500	10.001 00	622761004	0	1
ayeuis d molo	14035	49.00000	401.0910	6405450	22	92
d_maie	14035	0.30217	10 747/7	0400402	0	1
d_comp	14035	0.1000/	12./1/4/	9010002	0	1
dom_b	14635	90110.U	13.80488		0	1
d IT goodo	INON SPE	maing (=0)		ung (=1)		
d_IT_ccm	2212		12340			
u_II_Serv	983		13035			
u_com_goods	10254		4364			
u_com_serv	208		14410			

Czech Republic						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In_IT_goods	2222	10.64246	1.708236	22470.402	5.64706	15.00042
In IT serv	2793	10.95368	0.594143	30670.105	3.34448	13.24215
In com goods	899	10 1979	1 425241	8593 3948	3 34448	13 47027
In com serv	2919	12 24717	0.817149	35493 589	8 21201	14 70736
In_coni_serv	2013	1// /1933	0.657123	42753 867	11 5511	17 6038
III_eq_IIIc	2907	14.41033	0.037123	42/00.007	11.5511	17.0950
a_eau_nign	2967	0.11234	0.31574	333.1058	0	1
d_edu_med	2967	0.37329	0.48362	1.11E+03	0	1
d_geo_high	2967	0.37649	0.48444	1116	0	1
d_geo_med	2967	0.24209	0.42829	717.8559	0	1
d_child	2967	0.46749	0.79371	1386	0	4
age	2967	52.09347	15.72286	154470	20	90
d cole	2967	0.63774	0 48059	1891	0	1
d male	2967	0 71147	0 45302	2110	0	1
d_comp	2067	0 43338	0.40548	1285	0	1
d_comp	2907	0.43330	0.49040	1200	0	1
d_mob	2907	0.00273	0.3217	2010	0	1
	N Non spe	ending (=0)	N Spen	iding (=1)		
d_IT_goods	745		2222			
d_IT_serv	174		2793			
d_com_goods	2068		899			
d_com_serv	48		2919			
Denmark						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	1785	5 7537/1	71 0789	1008/188	-1 95099	10 10977
	2251	5 004027	10 1 4909	14691270	2 47211	0 1094
	2331	0.994927	19.14606	14001279	2.47211	9.1904
in_com_goods	371	4.00167	61.20881	1495149.4	-2.0755	8.55514
In_com_serv	2384	6.350907	28.75449	15805296	-1.5901	9.42035
In_eq_inc	2449	10.59586	28.30042	27054646	0	12.84208
d_edu_high	2378	0.2077	12.88444	498046	0	1
d_edu_med	2378	0.47835	15.86597	1147051	0	1
d geo high	2449	0.41163	15.89372	1051019	0	1
d geo med	2449	0.31017	14 93886	791961	0	1
d_goo_moa	2//0	0.26052	1/ 17517	665180	0	1
	2440	10.20032	570 2727	107160200	17	02
age	2449	49.60541	5/9.3/3/	12/109329	17	92
a_cpie	2449	0.46891	16.1167	1197284	0	1
d_male	2449	0.5937	15.86187	1515904	0	1
d_comp	2449	0.73027	14.33351	1864621	0	1
d_mob	2448	0.82725	12.21028	2111827	0	1
	N Non spe	ending (=0)	N Spen	iding (=1)		
d_IT_goods	663		1785			
d IT serv	98		2351			
d com goods	2078		371			
d_com_serv	55		2384			
	55		2004			
Finland						
Fillidilu Veriekle				0	N 41:00	Max.:
	NI OZOD	wear	Sid Dev	Sum		
in_ii_goods	2729	6.267658	27.97483	9709463.4	1.63594	9.29198
In_II_serv	3864	5.407457	7.053823	12722005	3.93852	8.91027
In_com_goods	1525	4.948021	22.77364	4284957.8	1.59672	8.17597
In_com_serv	3961	6.341181	19.52697	15344423	2.28987	9.03745
In_eq_inc	4007	10.40418	18.40887	25542269	7.68891	13.17957
d edu high	4007	0.29733	11.31529	729946	0	1
d edu med	4007	0.40441	12,14941	992829	0	1
d aeo hiah	4007	0 28849	11 21565	708234	0	1
d_geo_mod	4007	0.16500	0 10077	405200	0	1
d_geo_med	4007	0.10309	9.19077	405299	0	1
u_crillu	4007	0.25497	10.7895	025949	0	1
age	4007	50.79765	436.5185	124708234	17	96
d_cple	4007	0.46375	12.34514	1138516	0	1
d_male	4007	0.6025	12.11484	1479135	0	1
d_comp	4007	0.63672	11.90597	1563152	0	1
d_mob	4007	0.91445	6.92388	2244986	0	1
_	Non sper	ndina (=0)	Spend	lina (=1)		
shoop TI b	1278		2729	3/		
d IT conv	1/2		2061			
d oom goodo	0400		4505			
u_com_goods	2482		1525			
a_com_serv	46		3961			

Greece						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	2071	5.674945	26.40993	7370206.1	2.37993	9.70445
In IT serv	6536	4.04175	19.12681	16088213	3.26588	7.73548
In com goods	218	4 764439	21 12256	632675 59	2 33286	6 71894
In com serv	6525	6 62101	10 61867	26333100	1 1651	9 53101
	0525	10.02191	17.02420	20333109	7 00009	10.06407
in_eq_inc	6555	10.26827	17.03429	41000854	7.09008	12.36437
a_eau_nign	6553	0.16618	9.18815	663371	0	1
d_edu_med	6553	0.29584	11.26594	1180960	0	1
d_geo_high	6555	0.4319	12.22638	1724545	0	1
d_geo_med	6555	0.03498	4.53481	139665	0	1
d_child	6555	0.31926	11.50685	1274783	0	1
age	6555	53.64969	424,4844	214221321	15	98
d cole	6555	0 43096	12 2232	1720821	0	1
d_opic	6555	0.40000	10 71024	2085000	0	1
d_man	0000	0.0479	11.71324	2303303	0	1
u_comp	0000	0.29476	11.25590	1177043	0	
a_mop	6555	0.7257	11.01244	2897714	0	1
	Non spen	iding (=0)	Spend	ing (=1)		
d_IT_goods	4484		2071			
d_IT_serv	19		6536			
d_com_goods	6337		218			
d com serv	30		6525			
Hungary						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
	2162	E 015260	20 75005	6220012 5	0.06026	0 24024
III_II_goous	5103	5.015509	20.73003	40540000	0.90020	7.04.007
In_II_serv	5053	5.046696	10.93091	10519080	1.75877	7.91097
In_com_goods	1348	4.300014	15.18046	2102298.6	-1.26514	6.3286
In_com_serv	8590	5.818168	16.42602	20983572	1.34598	8.31933
In_eq_inc	9058	9.03015	14.53043	34649456	0	12.00055
d_edu_high	9058	0.19443	8.1459	746033	0	1
d edu med	9058	0.26628	9.09798	1021752	0	1
d aeo hiah	9058	0.36575	9.91359	1403415	0	1
d geo med	9058	0 3172	9 57907	1217136	0	1
d_geo_mea	0058	0.0172	0.22863	1060/13	0	1
	9050	0.2707	9.22003	1009413	10	1
age	9058	52.42769	343.0227	201169615	18	98
a_cpie	9058	0.32282	9.62366	1238679	0	1
d_male	9058	0.56784	10.19634	2178836	0	1
d_comp	9058	0.34606	9.79157	1327850	0	1
d_mob	9058	0.72994	9.13866	2800843	0	1
	Non spen	iding (=0)	Spend	ling (=1)		
d IT aoods	5895		3163			
d IT serv	4005		5053			
d com goods	7710		1348			
d_com_serv	468		8590			
	400		0530			
Iroland						
Voriable	N	Maan	Ctd Dov	C	Minimum	Maximum
	N 00.10			Jacoba		
In_II_goods	3246	6.451593	16.57828	4208929	1.66988	11.3014
In_II_serv	5920	5.972163	10.0242	7241307.8	-0.632703	8.7395
In_com_goods	2256	5.020137	10.90018	2255301.8	1.44674	8.59685
In_com_serv	6786	6.860007	15.94687	9751452.3	0.753592	9.29548
In_eq_inc	6884	10.90473	13.68633	15761852	0	14.13496
d edu hiah	6884	0.29089	6.58157	420461	0	1
d_edu_med	6884	0 24752	6 25404	357771	0	1
d aeo hiah	na	na	na	na	na	na
d_goo_mod	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d_geo_meu	11.a.	0.24042	11.a.	11.a.	11.a.	11.d.
a_chila	0004	0.34643	0.9047	503622	0	1
age	6884	50.5849	237.3892	/3116119	15	93
d_cple	6884	0.43472	7.18364	628356	0	1
d molo	6884	0.61861	7.03883	894145	0	1
u_male	6884	0.54379	7.21781	786003	0	1
d_comp	0004				•	
d_comp d_comp d_mob	6884	0.84448	5.25169	1220618	0	1
d_comp d_mob	6884 Non spen	0.84448 iding (=0)	5.25169 Spend	1220618 ling (=1)	0	1
d_comp d_mob	6884 Non spen 3638	0.84448 iding (=0)	5.25169 Spend 3246	1220618 ling (=1)	0	1
d_comp d_mob d_IT_goods d_IT_serv	6884 Non spen 3638 964	0.84448 ading (=0)	5.25169 Spend 3246 5920	1220618 ling (=1)	0	1
d_mob d_mob d_IT_goods d_IT_serv	6884 Non spen 3638 964	0.84448 ding (=0)	5.25169 Spend 3246 5920	1220618 ling (=1)	0	1
d_mate d_comp d_mob d_IT_goods d_IT_serv d_com_goods	6884 Non spen 3638 964 4628	0.84448 Iding (=0)	5.25169 Spend 3246 5920 2256	1220618 ling (=1)	0	1

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	5031	5 840558	64 28783	67241312	-0 712067	9 87482
In IT sorv	7737	5 353080	30 /2083	985/11012	2 /6500	0.01.102
	2071	4 202046	70 02405	20022224	2.40333	0.24474
III_coIII_goous	2071	4.393640	70.92405	20933334	-0.01692	9.34174
in_com_serv	9816	6.5023	40.15891	154621466	2.28367	9.86203
In_eq_inc	10240	10.42588	34.53472	259796116	7.33302	13.67631
d_edu_high	10240	0.19854	19.67877	4947349	0	1
d_edu_med	10240	0.37579	23.89291	9364069	0	1
d aeo hiah	10240	0.40949	24,25862	10203785	0	1
d geo med	10240	0 13455	16 83441	3352842	0	1
d_goo_mod	10240	0.32000	23 01/07	7076163	0	1
	10240	50.02003	20.01407	1 2005 100	16	
age	10240	52.13011	000.000	1.299E+09	10	90
d_cple	10240	0.4881	24.65915	12162626	0	1
d_male	10240	0.64746	23.56909	16133568	0	1
d_comp	10240	0.48981	24.66102	12205302	0	1
d_mob	10240	0.48553	24.65581	12098623	0	1
_	Non sper	dina (=0)	Spend	lina (=1)		
aboon TI b	8169	.ag (0)	2071			
d_IT_com/	0103		2071			
d_11_serv	2503		1131			
d_com_goods	8169		2071			
d_com_serv	423		9816			
Greece						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	2071	5 674945	26 40993	7370206 1	2 37993	9 70445
In_IT_con/	6526	4 0 4 1 7 5	10 12691	16000010	2.01000	7 725 40
	0000	4.04175	19.12001	10000213	3.20300	1.13340
In_com_goods	218	4.764439	21.12256	632675.59	2.33286	6.71894
In_com_serv	6525	6.62191	19.61867	26333109	4.4651	9.53101
In_eq_inc	6555	10.26827	17.03429	41000854	7.09008	12.36437
d edu hiah	6553	0.16618	9.18815	663371	0	1
d edu med	6553	0 29584	11 26594	1180960	0	1
d_coo_high	6555	0.4310	12 22638	1724545	0	1
d_geo_nign	0000	0.4319	12.22030	1724343	0	1
a_geo_mea	6555	0.03498	4.53481	139665	0	1
d_child	6555	0.31926	11.50685	1274783	0	1
age	6555	53.64969	424.4844	214221321	15	98
d_cple	6555	0.43096	12.2232	1720821	0	1
d male	6555	0.74779	10.71924	2985909	0	1
d_comp	6555	0 29478	11 25396	1177043	0	1
d_comp	6555	0.20470	11 01244	280771/	0	1
	0000	0.7257	0.01244	209//14	0	1
	Non sper	aing (=0)	Spend	ling (=1)		
d_II_goods	4484		2071			
d_IT_serv	1101					
	19		6536			
d_com_goods	19 6337		6536 218			
d_com_goods d com serv	19 6337 30		6536 218 6525			
d_com_goods d_com_serv	19 6337 30		6536 218 6525			
d_com_goods d_com_serv	19 6337 30		6536 218 6525			
d_com_goods d_com_serv Hungary	19 6337 30	Mean	6536 218 6525	Sum	Minimum	Maximum
d_com_goods d_com_serv Hungary Variable	19 6337 30 N	Mean	6536 218 6525 Std Dev	Sum	Minimum	Maximum
d_com_goods d_com_serv Hungary Variable In_IT_goods	19 6337 30 N 3163	Mean 5.015369	6536 218 6525 Std Dev 20.75005	Sum 6220812.5	Minimum 0.96026	Maximum 8.34934
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv	19 6337 30 N 3163 5053	Mean 5.015369 5.046696	6536 218 6525 Std Dev 20.75005 10.93091	Sum 6220812.5 10519080	Minimum 0.96026 1.75877	Maximum 8.34934 7.91097
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods	19 6337 30 N 3163 5053 1348	Mean 5.015369 5.046696 4.300014	6536 218 6525 Std Dev 20.75005 10.93091 15.18046	Sum 6220812.5 10519080 2102298.6	Minimum 0.96026 1.75877 -1.26514	Maximum 8.34934 7.91097 6.3286
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv	19 6337 30 8163 5053 1348 8590	Mean 5.015369 5.046696 4.300014 5.818168	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602	Sum 6220812.5 10519080 2102298.6 20983572	Minimum 0.96026 1.75877 -1.26514 1.34598	Maximum 8.34934 7.91097 6.3286 8.31933
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In eq inc	N 30 N 3163 5053 1348 8590 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043	Sum 6220812.5 10519080 2102298.6 20983572 34649456	Minimum 0.96026 1.75877 -1.26514 1.34598 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_biob	N 6337 30 N 3163 5053 1348 8590 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8 1459	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033	Minimum 0.96026 1.75877 -1.26514 1.34598 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high	19 6337 30 8163 5053 1348 8590 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med	N 19 6337 30 N 3163 5053 1348 8590 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high	N 3163 5053 1348 8590 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med	N 30 N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_T_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child	19 6337 30 8163 5053 1348 8590 9058 9058 9058 9058 9058 9058 905	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age	N 6337 30 N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 98
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cole	N 19 6337 30 N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 98 28 4
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male	N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178826	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1 98 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_T_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male	N 19 6337 30 N 3163 5053 1348 8590 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.99798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 27457	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1 98 1 1
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_high d_geo_med d_child age d_cple d_male d_comp	N 19 6337 30 N 3163 5053 1348 8590 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 13278500	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male d_comp d_mob	N 19 6337 30 N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 98 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_high d_geo_med d_child age d_cole d_male d_comp d_mob	N 3163 5053 1348 8590 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994 ding (=0)	6536 218 6525 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866 Spend	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843 ling (=1)	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 98 1 1 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_T_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male d_comp d_mob d_IT_goods	19 6337 30 N 3163 5053 1348 8590 9058 9058 9058 9058 9058 9058 905	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994 dding (=0)	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866 Spend 3163	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843 ling (=1)	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 98 1 1 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male d_comp d_mob d_IT_goods d_IT_serv	Non sper 5895 4005 1005 1005 1005 1005 1005 1005 100	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994 ding (=0)	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866 Spend 3163 5053	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843 ling (=1)	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Hungary Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_child age d_cple d_male d_comp d_mob	Non sper 5895 4005 7710	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994 ding (=0)	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866 Spend 3163 5053 1348	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843 ling (=1)	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 18 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
d_com_goods d_com_serv Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_nigh d_edu_med d_geo_high d_geo_med d_child age d_child age d_cole d_male d_comp d_mob d_IT_goods d_IT_serv d_com_goods d_om_senv	N 19 6337 30 N 3163 5053 1348 8590 9058	Mean 5.015369 5.046696 4.300014 5.818168 9.03015 0.19443 0.26628 0.36575 0.3172 0.2787 52.42769 0.32282 0.56784 0.34606 0.72994 dding (=0)	6536 218 6525 Std Dev 20.75005 10.93091 15.18046 16.42602 14.53043 8.1459 9.09798 9.91359 9.57907 9.22863 343.0227 9.62366 10.19634 9.79157 9.13866 Spend 3163 5053 1348 8500	Sum 6220812.5 10519080 2102298.6 20983572 34649456 746033 1021752 1403415 1217136 1069413 201169615 1238679 2178836 1327850 2800843 ling (=1)	Minimum 0.96026 1.75877 -1.26514 1.34598 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 8.34934 7.91097 6.3286 8.31933 12.00055 1 1 1 1 1 1 98 1 1 1 1 1 1 1 1 1 1 1 1

Inclanu						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	3246	6 451593	16 57828	4208929	1 66988	11 3014
In IT sony	5920	5 072163	10 02/2	72/1307.8	-0 632703	8 7305
	0050	5.000407	10.0242	0055004.0	-0.032703	0.7000
in_com_goods	2230	5.020137	10.90018	2255301.6	1.44074	0.09000
In_com_serv	6786	6.860007	15.94687	9751452.3	0.753592	9.29548
In_eq_inc	6884	10.90473	13.68633	15761852	0	14.13496
d edu hiah	6884	0.29089	6.58157	420461	0	1
d_edu_med	6884	0.24752	6.25404	357771	0	1
d aeo hiah	na	na	na	na	na	na
d_geo_mod	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
a_geo_mea	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d_child	6884	0.34843	6.9047	503622	0	1
age	6884	50.5849	237.3892	73116119	15	93
d_cple	6884	0.43472	7.18364	628356	0	1
d male	6884	0.61861	7.03883	894145	0	1
d_comp	6884	0 54379	7 21781	786003	0	1
d mob	6884	0 84448	5 25160	1220618	0	1
u_mob	0004 Nam an an	0.04440	0.20109	1220010	0	1
	Non spen	aing (=0)	Spend	ing (=1)		
d_II_goods	3638		3246			
d_IT_serv	964		5920			
d_com_goods	4628		2256			
d com serv	98		6786			
u_0011			0.00			
Nothorlands						
Variable	N	Moon	Std Dov	Sum	Minimum	Movimum
	1000		Slu Dev	Sulli		
in_ii_goods	1328	5.920931	1.227778	/694.//4/	2.17478	9.26852
In_II_serv	318	4.807903	0.837918	1447.0479	2.72296	7.61367
In_com_goods	513	4.566845	0.657363	2235.1614	3.23379	6.67969
In_com_serv	1543	6.558276	0.658378	10115.449	3.00663	9.072
In ea inc	1570	10 21465	0 92248	16037	0	12 25358
d odu bidb	1561	0 32204	0.02210	503 03033	0	12.20000
d_edu_mod	1501	0.52204	0.407.00	071 04240	0	1
a_eau_mea	1001	0.55821	0.49692	871.94349	0	1
d_geo_high	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d_geo_med	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d child	0				-	
age	1570	48 51546	15.31503	76169	21	80
d colo	1570	0.51737	0 40086	812 27503		1
u_opie	1570	0.017.07	0.49900	012.27.393	0	1
d_male	1570	0.69975	0.45851	1099	0	1
d_comp	1570	0.75425	0.43067	1184	0	1
d_mob	0		•	•		•
	Non spen	ding (=0)	Spend	ling (=1)		
d_IT_goods	242		1328			
d IT serv	1251		318			
d com anods	1049		513			
d_com_sorv	27		15/3			
u_com_serv	21		1040			
Norwoy						
Noi way	N			C	Min	
variable		wean	Sid Dev	Sum	wiminimum	Maximum
In_II_goods	2487	6.549071	1.611687	28559.78	-2.1749	11.0986
In_IT_serv	633	6.933021	1.734797	7766.231	3.48009	10.04464
In_com_goods	1239	4.541543	2.821	9212.8389	-2.16397	9.13012
In com serv	1343	7.437454	1.28712	17640.6	2.52827	10.1428
In eq inc	3376	12 68875	2 25626	82420	0	15 49446
d odu biab	2221	0.24621	0.65025	2214	0	10.10110
u_euu_nign	0001	0.54031	0.00920	2214	0	1
a_eau_mea	3331	0.50447	0.69277	3225	0	1
d_geo_high	3376	0.51162	0.69346	3323	0	1
	3376	0.16995	0.52106	1104	0	1
d_geo_med		0 00004	0 63792	1972	0	1
d_geo_med d_child	3376	0.30364	0.00.02			
d_geo_med d_child age	3376 3376	46.61104	21.54417	302762	18	87
d_geo_med d_child age d_cple	3376 3376 3376	0.30364 46.61104 0.33327	21.54417	302762 2165	18 ດ	87 1
d_geo_med d_child age d_cple d_male	3376 3376 3376	0.30364 46.61104 0.33327	21.54417 0.65395	302762 2165	18 0	87 1
d_geo_med d_child age d_cple d_male	3376 3376 3376 3376	0.30364 46.61104 0.33327 0.6162	21.54417 0.65395 0.67466	302762 2165 4003	18 0 0	87 1 1
d_geo_med d_child age d_cple d_male d_comp	3376 3376 3376 3376 3376	0.30364 46.61104 0.33327 0.6162 0.70814	21.54417 0.65395 0.67466 0.63069	302762 2165 4003 4600	18 0 0 0	87 1 1
d_geo_med d_child age d_cple d_male d_comp d_mob	3376 3376 3376 3376 3376 2245	0.30364 46.61104 0.33327 0.6162 0.70814 0.93433	21.54417 0.65395 0.67466 0.63069 0.34404	302762 2165 4003 4600 4045	18 0 0 0 0	87 1 1 1
d_geo_med d_child age d_cple d_male d_comp d_mob	3376 3376 3376 3376 3376 2245 Non spen	0.30364 46.61104 0.33327 0.6162 0.70814 0.93433 ding (=0)	21.54417 0.65395 0.67466 0.63069 0.34404 Spend	302762 2165 4003 4600 4045 ling (=1)	18 0 0 0 0	87 1 1 1
d_geo_med d_child age d_cple d_male d_comp d_mob d_IT_goods	3376 3376 3376 3376 2245 Non spen 889	0.30364 46.61104 0.33327 0.6162 0.70814 0.93433 ding (=0)	21.54417 0.65395 0.67466 0.63069 0.34404 Spend 2487	302762 2165 4003 4600 4045 ling (=1)	18 0 0 0	87 1 1 1 1
d_geo_med d_child age d_cple d_male d_comp d_mob d_IT_goods d_IT_serv	3376 3376 3376 3376 3376 2245 Non spen 889 2743	0.30364 46.61104 0.33327 0.6162 0.70814 0.93433 ding (=0)	21.54417 0.65395 0.67466 0.63069 0.34404 Spend 2487 633	302762 2165 4003 4600 4045 ling (=1)	18 0 0 0	87 1 1 1
d_geo_med d_child age d_cple d_male d_comp d_mob d_IT_goods d_IT_serv d_com_goods	3376 3376 3376 3376 2245 Non spen 889 2743 2137	0.30364 46.61104 0.33327 0.6162 0.70814 0.93433 ding (=0)	21.54417 0.65395 0.67466 0.63069 0.34404 Spend 2487 633 1239	302762 2165 4003 4600 4045 ling (=1)	18 0 0 0 0	87 1 1 1

Slovak Republic						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In_IT_goods	622	4.516259	32.82151	1125671.5	1.30822	9.94398
In_IT_serv	4111	3.925925	12.9247	6441508.8	1.82741	7.23481
In_com_goods	55	5.730039	20.77354	122683.69	3.84232	7.81888
In_com_serv	3958	5.480521	15.5466	8638517.9	1.0289	8.31205
In_eq_inc	4710	9.00302	12.66753	17108745	6.1449	11.42473
d_edu_high	4710	0.14072	6.98538	267407	0	1
d edu med	4710	0.72977	8.92098	1386798	0	1
d aeo hiah	4710	0.26469	8.86242	502991	0	1
d geo med	4710	0.42047	9.91643	799026	0	1
d child	4710	0.38757	9,78709	736511	0	1
age	4710	49 5244	312 7075	94112899	17	96
d cole	4710	0.39418	9 8168	749075	0	1
d male	4710	0.60131	9 83596	1142697	0	1
d_comp	4710	0.35374	9,605	672231	0	1
d_comp	4710	0.33374	8 0/185	1519/60	0	1
u_mob	N Non one	0.79950	0.04100 N Spor	1319400 dipa (_1)	0	1
d IT goodo	10 1001 SPE	inding (=0)	in Speri	iung (=1)		
u_II_goods	4066		022			
d_11_serv	599		4111			
d_com_goods	4655		55			
d_com_serv	752		3958			
-						
Spain				-		
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In_IT_goods	5129	4.710215	76.08317	40263743	0.033247	8.6287
In_IT_serv	3230	3.982957	83.91934	21169003	0.033247	7.81564
In_com_goods	1401	3.977006	64.46388	9653785.5	0.033247	7.28884
In_com_serv	8709	6.17726	31.91825	87337784	0.033247	8.45701
In_eq_inc	8881	10.17436	23.58545	146736676	0	11.92429
d_edu_high	8881	0.18377	15.60828	2650402	0	1
d_edu_med	8881	0.14138	14.04117	2039005	0	1
d_geo_high	8881	0.50607	20.14872	7298682	0	1
d geo med	8881	0.20271	16.2015	2923529	0	1
d child	8881	0.33994	19.08987	4902721	0	1
age	8881	55.21051	621.2254	796257577	18	98
d cple	8881	0.4247	19,9204	6125150	0	1
d male	8881	0.78003	16 69344	11249775	0	1
d_comp	8876	0.46253	20.09516	6668082	0	1
d moh	0070	0.40200	20.00010	0000002	0	
u_mob	N Non spe	ndina (=0)	N Spen	Idina (=1)	•	•
d IT aboots	3752	nung (=0)	5129	laing (=1)		
d IT serv	5651		3230			
d_com_goods	7/80		1/01			
d_com_sony	172		8700			
	172		0109			
Sweden						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
In IT goods	1362	6 386833	43 9709	14349226	2 63944	9 32393
In IT serv	1968	5 747559	24 09984	20367229	4 02573	8 75936
In_com_goods	657	5 16/362	33 108/7	5476075.8	3 98651	9 62307
In com serv	2049	6 508086	20 73851	2/60/220	3 62083	8 68225
In_coni_serv	2049	10 21029	29.73031	24034220	3.02903	12 90697
III_eq_IIIc	2079	0.25120	30.00247	40079109	0	12.00007
d_edu_nign	2079	0.3513	20.03019	1304400	0	1
a_eau_mea	2079	0.42152	21.34838	1637140	0	1
d_geo_high	2079	0.25444	18.82984	988228	0	1
d_geo_med	2079	0.14737	15.32482	572368	0	1
d_child	2079	1	0	3883911	1	1
age	2079	48.97739	687.4049	190223821	18	89
d_cple	2079	0.50594	21.6148	1965035	0	1
d_male	2079	0.61207	21.06637	2377216	0	1
d_comp	0					
d_mob	2079	0.92045	11.69853	3574947	0	1
	N Non spe	nding (=0)	N Spen	iding (=1)		
d_IT_goods	713		1362			
d_IT_serv	111		1968			
d_com_goods	1422		657			
d_com_serv	30		2049			

Switzerland						
Simple Statistics	-					
Variable	Ν	Mean	Std Dev	Sum	Minimum	Maximum
In_IT_goods	1350	4.284616	43.24036	5758717.4	0.405465	8.966726
In_IT_serv	2960	3.799412	13.86245	11609170	1.07044	6.21936
In_com_goods	157	4.200709	38.54364	645343.25	0	6.68324
In_com_serv	3075	4.781397	24.02378	15263488	1.22009	7.58943
In_inc	3087	8.92661	19.71894	28597926	4.83898	11.55437
d_edu_high	3087	0.32683	15.11291	1047044	0	1
d_edu_med	3087	0.5535	16.01755	1773219	0	1
d_geo_high	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d_geo_med	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
d_child	3087	0.32632	15.10684	1045412	0	1
age	3087	50.65929	528.6359	162295713	18	96
d_cple	3087	0.6065	15.74035	1943016	0	1
d_male	3087	0.69342	14.85586	2221476	0	1
d_comp	3087	0.07717	8.59802	247211	0	1
d_mob	3087	0.18237	12.44185	584267	0	1
	N Non spe	nding (=0)	N Spen	iding (=1)		
d_IT_goods	1737		1350			
d_IT_serv	127		2960			
d_com_goods	2930		157			
d_com_serv	12		3075			
United Kingdom				_		
United Kingdom Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
United Kingdom Variable In_IT_goods	N 2083	Mean 6.505659	Std Dev 2.447323	Sum 50597.952	Minimum 2.94504	Maximum 11.1015
United Kingdom Variable In_IT_goods In_IT_serv	N 2083 5932	Mean 6.505659 5.835121	Std Dev 2.447323 1.512074	Sum 50597.952 126124.13	Minimum 2.94504 2.02875	Maximum 11.1015 8.608
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods	N 2083 5932 207	Mean 6.505659 5.835121 6.796258	Std Dev 2.447323 1.512074 2.672791	Sum 50597.952 126124.13 5147.1215	Minimum 2.94504 2.02875 3.46383	Maximum 11.1015 8.608 9.73851
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv	N 2083 5932 207 6480	Mean 6.505659 5.835121 6.796258 6.437314	Std Dev 2.447323 1.512074 2.672791 1.587668	Sum 50597.952 126124.13 5147.1215 152612.38	Minimum 2.94504 2.02875 3.46383 -0.273837	Maximum 11.1015 8.608 9.73851 9.48103
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc	N 2083 5932 207 6480 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001	Sum 50597.952 126124.13 5147.1215 152612.38 253652	Minimum 2.94504 2.02875 3.46383 -0.273837 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high	N 2083 5932 207 6480 6785 n.a.	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a.	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a.	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a.	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a.	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a.
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med	N 2083 5932 207 6480 6785 n.a. n.a. n.a.	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a.	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a.	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a.	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a.	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a.
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high	N 2083 5932 207 6480 6785 n.a. n.a. 6245	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. 0.82617 0.70399 0	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_geo_med d_child age	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6245 6785 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 1 98
United Kingdom Variable In_IT_goods In_Com_goods In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6785 6785 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. 0.82617 0.70399 0 32.99095 0.89628	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 1 98 28 1
United Kingdom Variable In_IT_goods In_Com_goods In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_cple d_male	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6785 6785 6785 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.77083 0.15109 1 51.89904 0.3261 0.61472	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 0 32.99095 0.89628 0.93046	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. 1. 1 1 1 98 98 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_ccm_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_child age d_cple d_male d_comp	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6245 6785 6785 6785 6785 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. 1 1 1 1 98 1 1 1 1 1 1 1 1 1 1 1 1 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_ned d_edu_med d_geo_high d_geo_ned d_child age d_child age d_cple d_male d_comp d_mob	N 2083 5932 207 6480 6785 6785 6785 6785 6785 6785 6785 6785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 1	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 98 1 1 1 1 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_nigh d_edu_med d_geo_high d_geo_med d_child age d_child age d_cple d_male d_comp d_mob	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6785 6785 6785 6785 6785 6785 0785 0785 0785 0785 0785 0785 0785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503 nding (=0)	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486 N Spen	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996 ding (=1)	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 1	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. 1 1 1 1 98 1 1 1 1 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_nigh d_edu_med d_geo_high d_geo_high d_geo_med d_child age d_child age d_cple d_male d_mob	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6785 6785 6785 6785 6785 0 8785 0 785 0 785 0 785 0 785 0 785 0 785 0 785	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503 nding (=0)	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486 N Spen 2083	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 16 0 0 0 1	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 98 1 1 1 1 98 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_high d_geo_med d_child age d_child age d_cple d_male d_comp d_mob	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6785 6785 6785 6785 6785 6785 6785 0 8785 0 0 N Non spe 4702 853	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503 nding (=0)	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486 N Spen 2083 5932	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 98 1 1 1 98 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_nigh d_edu_med d_geo_high d_geo_med d_child age d_child age d_cole d_male d_comp d_mob d_IT_goods d_IT_serv d_com_goods	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6245 6785 6785 6785 6785 6785 6785 0 N Non spe 4702 853 6578	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503 nding (=0)	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486 N Spen 2083 5932 207	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 98 1 1 1 98 1 1
United Kingdom Variable In_IT_goods In_IT_serv In_com_goods In_com_serv In_eq_inc d_edu_high d_edu_med d_geo_high d_geo_med d_child age d_child age d_comp d_mob d_IT_goods d_IT_serv d_com_goods d_com_serv	N 2083 5932 207 6480 6785 n.a. n.a. 6245 6785 6785 6785 6785 6785 6785 6785 678	Mean 6.505659 5.835121 6.796258 6.437314 10.22842 n.a. 0.77083 0.15109 1 51.89904 0.3261 0.61472 0.64503 nding (=0)	Std Dev 2.447323 1.512074 2.672791 1.587668 1.66001 n.a. n.a. 0.82617 0.70399 0 32.99095 0.89628 0.93046 0.91486 N Spen 2083 5932 207 6480	Sum 50597.952 126124.13 5147.1215 152612.38 253652 n.a. n.a. 18597 3645 24799 1287034 8087 15244 15996	Minimum 2.94504 2.02875 3.46383 -0.273837 0 n.a. n.a. 0 0 1 1 16 0 0 0 0	Maximum 11.1015 8.608 9.73851 9.48103 14.14603 n.a. n.a. 1 1 1 98 1 1 1 98 1 1

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