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Florien Kruse

Stagnation or transformation of attitudes towards the nurturing father?

Comparative analysis in nine European countries for 1999 and 2008-2009

Stagnieren oder wandeln sich die Einstellungen in Richtung eines sich kümmernden Vaters?

Vergleichende Analyse in neun europäischen Ländern in den Jahren 1999 und 2008-2009

Abstract:

There is a large body of cross-national research on attitudes towards maternal employment. However, little cross-national studies exist mapping attitudes towards father's involvement and how they evolve over time. The aim of this paper is to enhance our understanding of the factors that relate to the attitudes towards father's involvement by providing a rich comparison over time, country and inter-country factors by using the European Value Survey that included the following statement in 1999 and 2008-2009: *In general, fathers are as well suited to look after their children as mothers*. Special focus will be put on the influence of the welfare regime, age and gender. A descriptive analysis over time with age is given, to identify an intra-cohort change or cohort replacement, to explain the change of attitudes.

Overall, most countries do not experience a significant absolute shift, only Great Britain, France and Spain become more supportive. Furthermore, attitudes towards fathers' involvement seem to fit the standard welfare typology. However, Spain and Poland were much more progressive than expected. The cohort replacement effect seems to be prevalent in Spain and France. Education level and having children only seem to be of influence in the attitude formation by women.

Zusammenfassung:

Zu den Einstellungen zur Müttererwerbstätigkeit liegt umfangreiche länderübergreifende Literatur vor. Es gibt jedoch nur wenige länderübergreifende Studien, die die Einstellungen zur väterlichen Beteiligung an der Pflege und Erziehung der Kinder abbilden und darlegen, wie sich diese im Zeitverlauf entwickelt haben. Dieser Artikel verfolgt das Ziel, unser Verständnis der Faktoren, die mit den Einstellungen zur väterlichen Beteiligung zusammenhängen, mithilfe eines umfassenden Vergleiches von länderspezifischen und länderübergreifenden Faktoren über die Zeit zu erfassen, indem der European Values Survey genutzt wird, in welchem sich folgendes Statement in den Befragungen der Jahre 1999, 2008 und 2009 findet: „In general, fathers are as well suited to look after their children as mothers“. Ein besonderes Augenmerk wird dabei auf den Einfluss der Wohlfahrtsstaatsregime, das Alter und das Geschlecht der Befragten gelegt. Eine altersbezogene deskriptive Analyse über den Zeitverlauf wurde durchgeführt, um einen Einstellungswandel innerhalb von Kohorten oder bei einem Kohortenaustausch zu identifizieren.

Insgesamt kann es in den meisten Ländern nicht zu signifikanten absoluten Verschiebungen, nur in Großbritannien, Frankreich und Italien wurde mehr Unterstützung für fürsorgliche Väter gezeigt. Darüber hinaus scheinen die Einstellungen gegenüber die Väterbeteiligung der Standardtypologie der Wohlfahrtsstaaten zu entsprechen. In Spanien und Polen waren sie jedoch fortschritt-

licher als erwartet. Ein Kohortenaustauscheffekt scheint in Spanien und Frankreich vorzuherrschen. Das Bildungsniveau und das Vorhandensein eigener Kinder scheint nur bei Frauen Einfluss auf das Entstehen der Einstellungen zu nehmen.

Key words: fatherhood, attitudes, welfare state, European Values Survey

Schlagwörter: Vaterschaft, Einstellungen, Wohlfahrtsstaat, European Values Survey

1. Introduction

For years, the family-work balance debate was considered a female topic. Researchers and politicians were mainly concerned on how to foster and support an increase of women in the labor market and to which extent this participation was hampered by the welfare state. Only recently, fathers have come into the focus of both research and social policy since the limitations of a state and/or market provision of care have become visible. Over the years, scholars gained a better understanding of the concept of fatherhood and how father's involvement relates to the wellbeing of the child. However, we still have a narrow understanding of the phenomena of contemporary fatherhood. A well-explored research field is the gender gap of time spent on housework and childrearing (e.g. Shelton 1990; Bianchi et al. 2000; Sayer 2005). Yet, this is only one piece of the puzzle, as multiple other factors influence or account for father's involvement. Another important piece are the attitudes towards fatherhood. There seems to be void in research regarding the attitudes towards father's involvement, although several scholars have highlighted the necessity to gain a better understanding on how values and attitudes towards fatherhood are shaped and changed over time (Lamb 2008; Tanfer/Mott 1998; Marsiglio 1995). "Future attempts to advance fatherhood scholarship should be initiated on. [...] fatherhood stereotypes, ideals and symbolic representations" (Marsiglio 1995: 12).

The objective of this paper is to identify potential determinants of attitudes towards the nurturing father, by providing a rich comparison across time, age and country. The attitudes are put in a context of the various welfare states in order to observe if their citizens differ from one another in their support. Then it shall be pinpointed if their countries transform into supporting the nurturing father or stagnate in their attitudes. In order to identify certain drivers for changes in attitudes, the positions of potential groups, based upon age, gender and education, are mapped over time.

2. Theoretical Framework

Historical development in defining and operationalizing fatherhood

The concept of fatherhood falls under the umbrella of ‘gender ideology’, which means “the individual levels of support for a division of paid work and family responsibilities that is based on this notion of separate spheres” (Davis & Greenstein 2009: 89). The main idea behind the concept of gender ideology is that gender is socially constructed by daily interaction, also referred to as “doing gender” (West/Zimmerman 1987). Gender is reproduced out of existing normative constructions. These constructions are in place to organize the social system. Social arrangements – like the family – produce a connection between gender roles and what was formerly associated with biology, like the role of mothers.

The conceptualization and understanding of fathers’ involvement is a dynamic process and has been revisited by various scholars over time. One of the perspectives on fatherhood is the dichotomy between the involved nurturing father versus the uninvolved father who ignores his paternal obligations. Furstenberg (1988) argues that the dichotomy good dad–bad dad complex – emerged in the public discourse – that in itself produces a divergence between the two groups of fathers. One group of fathers is involved more closely with their children, while the other group is more derelict. Furthermore, Pleck (1984) developed a description and classification of the historical development of the concepts and ideas around fatherhood, particularly in the United States. This description builds on the notion that there are four dominant ideologies over time (Pleck 1984). First, the ‘moral teacher or guide’ was the prevalent norm; second, from the early 19th to the mid-20th centuries, the father became more distant as ‘the breadwinner’; third, around the 1960s the father acted as a ‘sex-role model’; lastly the father emerged as a nurturer around 1966, also referred to as the ‘the new nurturant father’.

But culture and conduct does not necessarily have to align, there seems to be a mismatch between the changing attitudes towards the ‘new nurturant father’ and the actual conduct of fatherhood (LaRossa 1988).

The fact that the culture of fatherhood has changed more rapidly than the conduct of fatherhood would seem to represent an exception to the rule. However, it may not be an exception at all. What may be happening is that the culture is following conduct, but not in the way we normally think it does. (LaRossa 1988: 452)

Due to this misconception of the involved father, the fathers are conceived as being more involved than they actually are.

Most researchers build upon the notion that the role of the father is in flux. However, this has not been left uncontested, for instance, Coltrane and Parke (1998) argue that the idea of fatherhood is more complex than this linear way of defining fatherhood over the years, “we suggest that claims about the uniqueness of recent developments in fatherhood are overstated and that both positive and negative family rhetoric lacks historical perspective” (Coltrane/Parke 1998: 7). According to them, fatherhood is oversimplified and has different meanings across the life course, class, ethnicity, and regions. Moreover, the changing family structures and the cultural diversity of the conception of fatherhood ask for new theoretical models of parenting (Cabrera et al. 2000).

3. Prior research

Gender role attitudes

It is crucial to initiate by identifying how the attitudes towards fatherhood are shaped and how they might be connected to their behavior, in light of the theory of planned behaviour by Ajzen (1991). Most researchers scrutinize the actual division in the household but do not focus on the attitudes towards the role of the father specifically, which might be due to the fact that fatherhood is still an evolving discipline. Also, the positioning towards fatherhood is usually put together with other variables as indicator for gender role attitudes, but rarely discussed in itself. The identified determinants of gender attitudes can serve as guidance in order to find crucial elements that relate to this attitude. In general, women tend to be more egalitarian than men regarding gender role attitudes (Brewster/Padavic 2000; Scott 2008; Egmond et al. 2010). The lower educated, the married, older cohorts and the non-employed individuals tend to have more conservative gender attitudes (Brewster/Padavic 2000, Scott 1996, Egmond et al. 2010). Furthermore, the social acceptance of gender equality varies greatly by country, due to multiple institutional and economic factors (Inglehart/Norris 2003). In a cross-country study on the attitudes towards maternal employment, significant differences between the countries were shown, although the existing welfare typologies or policy difference do not completely correspond to the differences in the attitudes (Scott 2008). It was found that cohort, education and the participation of the women in the labor force have a significant effect on attitudes towards maternal employment. Also, this paper found that Sweden was most egalitarian, Spain and Germany exhibit similar patterns. The Dutch attitudes were found to be mixed.

Fatherhood in flux

In line with LaRossa's arguments, starting from the 1960s to mid-1990s gender attitudes became more liberal (Brewster/Padavic 2000; Egmond et al. 2010). This change in attitudes can be partially explained by cohort replacement effects (Brewster/Padavic 2000; Brooks/Bolzendahl 2004; Egmond et al 2010), meaning that the historical development of changing attitudes is mostly due to the fact that the older generations are replaced by the younger ones who hold different attitudes since they grow up in a different cultural and social context. Thus, this theory assumes that the attitudes are formed during childhood but thereafter remain consistent over the life course. In contrast, the assumption of an intra-cohort change in attitudes states that individuals are able to change their attitudes over the life course, due to changing locations or experiences (Egmond et al 2010). Overall, after the mid-1990s, the attitude change in gender roles is perceived to be relatively slow and inconsistent (Scott 2008).

4. Country justification

For this paper, nine European countries¹ of the twenty-eight European member states will be analyzed. The countries are chosen according to compelling institutional and cultural differences. Since there is no specific theoretical framework that classifies the position of fathers by welfare institutions, this paper utilizes research on – inter alia – the variations in women’s employment patterns under different welfare state contexts.

4.1 Welfare state typologies

According to Esping-Andersen (1990), there are “three worlds of welfare capitalism” in the post-industrial political economies that have a significant impact on employment structures. The *liberal type* is where individual responsibilities are central and the market dominates. Public policies are there to reassure equality and a legal framework. The *conservative-corporatist type* is where the dominant idea is paternalist. The market is regulated, but the traditional family is central. The *social-democratic type* is critical toward the market and individual agency. Economic risks are shared collectively with universalistic policies.

The welfare state typology does not specifically reflect on how welfare regimes affect fathers’ involvement in paid or unpaid work. Since the conservative-corporatist welfare regime assumes a traditional division of caring tasks between men and women and hampers maternal employment, it is assumed that attitudes towards the male-breadwinner ideal of the father will dominate here. The social-democratic type nonetheless promotes egalitarian ideals and therefore expects the nurturant father attitude to prevail.

Esping-Andersen (1990; 1999) developed one of the most well-known and applied welfare regime typologies, nonetheless this typology also triggered criticism by various scholars (summarized in Arts/Gelissen 2002). Of importance here are two suggested extensions of the welfare regime typologies.

First, the argumentation made by Fenger (2007) contests Esping-Andersen’s view that the Central and Eastern European countries will converge into one of the three main welfare regimes. In this paper, an extension of the welfare regime is offered. Of primary interest for this analysis is the inclusion of the Post-Communist European type, since Poland and Hungary fall into this category. This type contains elements that resemble the conservative-corporatist type in their government expenditures. However, this type was able to facilitate female employment by providing childcare, child benefits and extended maternity leave. In the case of Hungary, the notion of the gendered separation of paid and unpaid work was very clearly supported in policies, especially excluding men from parental leave policies (Fodor et al. 2002). Through this description, the Post-Communist European type is likely to have a dominant positive attitude towards the father as male breadwinner, but, at the same time, is also likely to be more egalitarian than the conservative-corporatist type.

The second suggested extension of the welfare regime typology is the inclusion of the Southern European states (Ferrera 1996) to explain the behavior of Spain. Of particular use

1 Germany (East and West separately), Denmark, Spain, France, Great Britain, Hungary, the Netherlands, Poland and Sweden

is the reflection of Trifiletti (1999) by shedding light on the gender dimension. The author argues: “If the state treats women (and other family members) principally on the basis of family roles [...], in a sense it exerts control over their paid and unpaid work because of the lack of minimum provisions and because care work is taken for granted” (Trifiletti 1999: 54). Furthermore, Mediterranean welfare regimes do not protect the individual from social risks but assume that the (extended) family will cover most cases. This is in line with Scott’s findings (1999) that the non-egalitarian gender-role contract is embedded in Spain due to the ideology of the traditional family life. This description leads to the conclusion that the Mediterranean Welfare regime is more supportive towards a gendered separation of paid and unpaid work, therefore preferring the male-breadwinner ideal of the father.

Instead of proposing for the inclusion of additional ideal welfare types, alternative typologies are suggested. Notable is the response of Lewis (1992; 2001), who argues that the welfare regime typology of Esping-Andersen (1990) neglects the gendered understanding of the division between paid and unpaid work. Lewis derives a theoretical framework by classifying the institutional context based upon the dominance of the male breadwinner earner model. With Great Britain as main exemplar for the *strong male-breadwinner* states, France classified as a *modified male-breadwinner* country, and with Sweden supporting a weak *male-breadwinner* model (Lewis 1992). However, more recent research suggests a shift towards a more *adult-worker model family* for the United Kingdom and the Netherlands (Lewis 2001).

Equally important to mention for this paper is the criticism that the original welfare regime typology neglects the complex relationship between culture and welfare state policies that might be able to explain cross-national differences (Pfau-Effinger 2005). According to this approach: “welfare state policies are embedded in the societal context of the welfare culture (the relevant values and ideas in a given society surrounding the welfare state), the institutional system which comprises institutions of the welfare state and other central institutions, social structures and social actors, and their interrelations” (Pfau-Effinger 2005: 5). Kremer thereupon (2007) argues in the same line and suggests that by understanding the welfare regimes one must look at the ideals of care, thus how parents perceive appropriate care. The Netherlands is classified into two ideals of caring. First, it sets its policy norm for a *parental sharing* of caregiving referred to as the ‘combination scenario’², which is theoretically degendering caregiving. Yet, it also promoted the norm of the *surrogate mother* by subsidizing (primarily) mothers to take care of other one’s children (‘gastouderopvang’). The United Kingdom is showing a discrepancy, whereby the government is promoting the *surrogate mother care ideal* although its citizens did not support this.

4.2 Hypotheses

The hypotheses to be tested in this document are derived from the theories and institutional characteristics of the countries. The hypotheses are reasoned along the lines of the welfare research predictions that the same welfare regime types are likely to behave in the anticipated and same manner. It is important to mention beforehand how we assume that the welfare regimes being more supportive towards the male breadwinner ideal of the fa-

2 The combination scenario basically states that women work more and men work less.

ther, are therefore less supportive to the nurturant father. In Table 1, the countries are put in order on how they are likely to position themselves along the spectrum of being supportive towards the nurturant father and being less supportive, Sweden and Denmark being the most supportive and Spain being least supportive. The summary of their classification and comments are provided in Table 1 to justify the order of the countries.

Table 1: Overview country classification and justification

	Countries ordered	Theory classifications (Esping-Andersen 1999; Lewis 1992; Kremer 2007)	'Fathers only' leave (Moss 2010)³	Other remarks
Most Supportive	Sweden (SE)	Prime exemplar: social-democratic welfare regime (Esping-Andersen 1999). According to Lewis (1992), having a <i>weak male-breadwinner</i> model.	2.5 months, paid at 66%+ of earnings.	Father's quota introduced in 1994.
	Denmark (DK)	Social-democratic welfare regime. Having a <i>professional care ideal</i> (Kremer 2007).	8 months, paid at 66%+ of earnings.	Praised for their family friendly policies (Kreyenfeld et al. 2009).
	France (FR)	Classified as conservative-corporatist welfare regime: By Lewis (1992) classified as a <i>modified male-breadwinner</i> country.	36.5 months, whereof 0.5 months are paid at 66%+ of earnings, including a ceiling on earnings-related payment.	Policies encourage female employment and childbearing (Lesnard 2008).
	The Netherlands (NL)	Socio-democratic and conservative-corporatist: Janus-headed welfare regime (Esping-Andersen 1999). Moving away from a strong male-breadwinner towards an adult-worker model family (Lewis 2001). Policies promoting the <i>parental sharing</i> care norm (Kremer 2007).	6 months. Whereof 0 months are paid. However part of a tax reduction.	Highest share of one-and-a-half-job-per-household in comparison with the EU (Visser 2002).
	Great Britain (GB)	Liberal welfare regime (Esping-Andersen 1999). Moving away from a strong male-breadwinner towards an adult-worker model (Lewis 2001). Government promoting the <i>surrogate mother</i> care ideal (Kremer 2007).	3.5 months, whereof 0 months are paid.	Has developed work/life balance policies since 1997 (Lewis & Campbell 2007).

3 Based upon the length of post-natal leave for families and for 'fathers only', table 2.2, page 38, from the report "International Review of Leave Policies and Related Research 2010".

	Countries ordered	Theory classifications (Esping-Andersen 1999; Lewis 1992; Kremer 2007)	'Fathers only' leave (Moss 2010)³	Other remarks
Least Supportive	Hungary (HU)	Post-Communist European Type: In particular promoting the male breadwinner model (Fenger 2007).	1 week and paid at 66%+ of earnings.	Universal (general) maternity leave support and (relatively high) under three enrolment in child care (Fodor et al. 2002).
	Poland (PL)	Post-Communist European Type (Fenger 2007).	4 months and 1 month is paid at 66%+ of earnings.	Family policies does not provide incentives for fathers to contribute to the caring labor (Plomien 2009).
	East Germany (DE-E)	Post-Communist European type/conservative-corporatist welfare regime.	0 months, however, fathers get two months bonus if they take up parental leave.	Due to different (path) dependent developments: East Germans (re)act differently from West Germans (Pfau-Effinger & Smidt 2008). East Germans are more likely to hold egalitarian sex-role attitudes (Bauernschuster/Rainer 2012).
	West Germany (DE-W)	Classified as prime exemplar of a conservative-corporatist welfare regime .		
	Spain (ES)	Mediterranean welfare regime: Dominant male breadwinner.	0.5 months and paid at 66%+ of earnings including a ceiling on earnings-related payment.	Institutional context reinforced by family solidarity, gender discriminatory (Trifletti 1999: 15).

According to Pleck (1984) and LaRossa (1988), there is a trend towards supporting the nurturing father. However, it is also likely that this trend has stagnated, as this has been the case for the overall gender-role attitudes (Scott 2008). Both predictions are taken into account but it should be expected that there is an incremental change towards the nurturing father for most countries. However, the Dutch and the British citizens are likely to move away from the male breadwinner ideal more rapidly (Lewis 2001).

The other variables included in the analysis are sex, age, education, employment status, marital status and having (a) child(ren). Regarding these, it is expected that women are likely to be more supportive towards the nurturant father since they hold more gender-egalitarian attitudes. Furthermore, it is expected that older people are more conservative than younger ones. For education, the higher educated are likely to be more gender egalitarian and therefore supportive towards the nurturant father. Being employed is positively related to a progressive attitude towards a nurturant father, while housewives hold a more conservative attitude. Lastly, being married and/or having children relates to being less supportive toward the nurturing father than the ones who are not married and/or the ones who do not have children.

5. Data and methods

5.1 Dataset description

The most suitable longitudinal data to unravel the change in attitudes towards the role of the father come from the European Value Survey.⁴ The European Value Survey is a cross-national and longitudinal survey program that has the objective to measure the attitudes, beliefs and ideas of citizens in Europe. For this analysis, the following statement of interest was raised in 1999 and 2008/2009⁵: “In general, fathers are as well suited to look after their children as mothers”. This survey question was chosen due to fact this item was included in two different years, which makes cross-sectional and cross-national comparison over time possible. Furthermore, this question is likely to measure the attitude towards the nurturing capacities of the father, also called the nurturant father. Note that, in general, social survey questions measuring the attitudes towards fathers are scarce; this is particularly the case for longitudinal data.

5.2 Operationalization variables

The dependent variable is a binary variable where respondents could either agree or disagree with the statement that fathers are as well suited to look after the children as mothers. Thus, the attitude object is the capacities of the father in nurturing. The central independent variables are the nine countries justified earlier. The other determinants included in the analysis are: sex, age, education⁶, employment status⁷, having children⁸ and the interviewees’ marital status⁹.

4 In total, six international datasets were reviewed: International Social Survey, European Social Survey, Eurobarometer, World Value Survey, Generations and Gender Survey. The conclusion of this review is that longitudinal data on this topic is scarce and most surveys include ambiguous questions. This review was published as an internal paper by the Max Planck Institute.

5 On a final note regarding the dataset description, in Sweden and Great Britain the surveys were conducted in 2009 instead of 2008. However, in the light of consistency, this paper will refer to the last wave as the survey conducted in 2008 instead of mentioning 2008/2009 throughout the paper. Only if Sweden or Great Britain is discussed separately the difference over the 10 years instead of 9 years will be referred to.

6 The education variable is based upon the highest educational level attained and is ordered into three categories: lower, middle and high education levels. This variable was already provided by the European Value Survey (EVS) and is based upon the international classification of education (ISCED).

7 For the employment status, the original variable given by the European Value Survey (EVS) is slightly modified. The category ‘employment’ is added and this includes the sub-categories: full-time, part-time and self-employment. Furthermore, retired persons are not included separately in this analysis but fall under the umbrella of the category ‘other’.

8 This variable does not distinguish on the number of children or how old they are, just having children or not.

9 The original variable given by the EVS variable has also been slightly modified, the divorced and separated are collapsed into one group since for some countries the number of observations were otherwise too small for this variable. Lastly, the category cohabiting is included into the ‘single’ category, since only Sweden in 1999 has data on this.

Furthermore, prior research tells us that the ones that are married are more conservative in their sex-role attitudes than the ones that are single or unmarried.

5.3 *Data selection*

All respondent that had missing values, who gave no answer or responded 'don't know' for the dependent variable are deleted from the sample. The other missing values for the independent variables were put into categories for missing values. In general, the 'missing values' categories do not show a significant relationship with the dependent variables in the models, only the missing values for education are significant in the logistic regression model. Nonetheless, the numbers of missing values are relatively low and therefore the coefficient should not be interpreted. It is important to note that most of the countries have missing values below 10% of the total sample, except for Great Britain having 16% of the data missing in 1999 and 11% in 2008. Sweden has also a striking 22% of the data missing in 2008, mostly due to the missing values in marital status, while in 1999 the missing values only account for 1%. See Appendix (Table 5, Table 6).

5.4 *Statistical methods*

Firstly, it was checked, if the ordered logistic regression is preferred over the logistic regression since the response options were ordered in: agree strongly, agree, disagree or disagree strongly. In order to check if the ordered logistic regression does not violate the proportional odds assumption, the Brant's test was applied (Brant 1990).¹⁰ For both years, the overall chi-square value was significant which means that the assumptions of the ordered logistic regression were not met (Table 7, Table 8). Therefore, the binary logistic regression is favored over the ordered logistic regression. Secondly, for the descriptive statistics the weights are included, but for the analysis this is not taken into account because the weights are constructed based upon gender and the age categories (GESIS 2014), and these are already included as control variables in the models.

6. Results

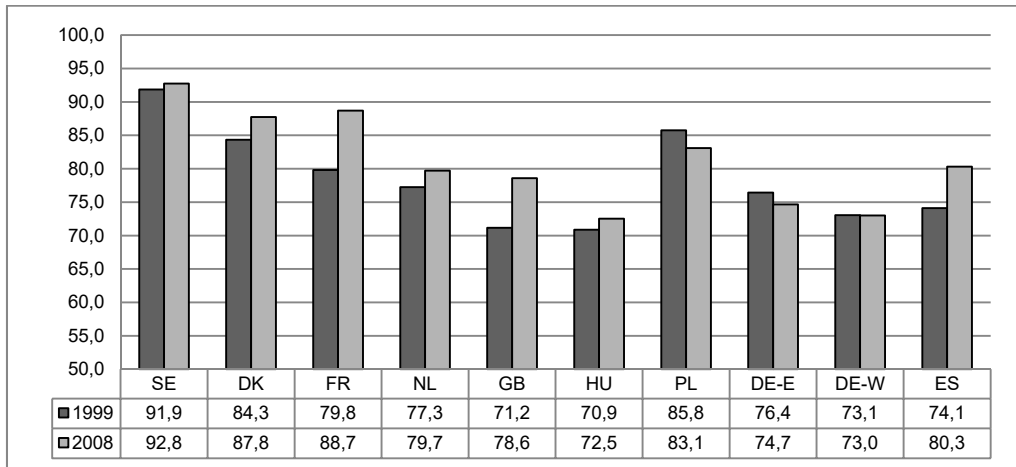
6.1 *Descriptive statistics*

Before discussing the results of the multivariate analysis, the descriptive results give an indication of how the attitudes are distributed in absolute terms without controlling for specific other factors. Figure 1 shows that Sweden has the highest percentage of respondents who agree that fathers are as well suited to look after the children as mothers

10 The Brant test detects if the null hypothesis that β s in the binary choice equations are the same in the ordered choice model. However, one should note that this test is not uncontested and multiple other suggestions are provided to deal with ordered responses (i.e. Green/Hensher 2010).

(91.9% in 1999 and 92.8% in 2008) in comparison with the other countries. There are three things to take away from Figure 1. First, the hypothesized ranking of countries roughly corresponds to the descriptive results. Only Poland and Spain seem to have a higher percentage to support the nurturing father than anticipated, with 85.8% Polish citizens agreeing with the statement in 1999 and 83.1% in 2008. Second, most countries seem to stagnate in their change in attitude towards the nurturing father, which does not correspond to the idea that the ideal of the father is in flux. Third, the countries that do experience a considerable shift in their attitudes are France, Great Britain and Spain.

Figure 1: Percentage of respondents who agree to the statement that the father as well suited to look after children as mothers (weights included)



* Note that the y-axis starts at 50% instead of 0.

Source: European Value Survey.

To identify which social groups experience a change in attitudes, this section zooms in on the variance in attitudes by the different age groups. The descriptive statistics of those groups provides a first insight on how the change of attitudes in different life stages evolves.¹¹ The order of the countries is expected, based on the support for the nurturing father in the mentioned welfare theories.

In Table 1, both Sweden and Denmark show a slight decrease of support towards the nurturing father in the youngest age categories. While in the oldest age categories, from 55 onwards, both countries have much lower percentages that agree to the nurturing father; nonetheless, they experience a substantial shift towards the nurturing father over the years. In general, Sweden seems to have the highest percentages for almost all the age categories per year compared to Denmark.

It stands out that people of all ages in France transform their attitudes towards supporting the nurturing father, with an especially large increase of being more supportive in

11 The sample sizes of the age groups differentiated by country and year are too small to go beyond the descriptive analysis of the age groups or cohort.

the oldest age categories. For the Netherlands, in 2008 the youngest age group seem to be less supportive than the ones in 1999, and for the people ageing 35 to 54, no change in their attitudes is shown in this table.

Great Britain experiences a complete attitude shift towards the nurturing father in all age groups. Especially the 45-54 age group became more supportive than their prior one the year before. Also, the same cohort in 1999 measured in the age category of 35-44 had much lower percentages. This might indicate an intra-cohort shift in attitudes.

Table 1 also shows that Hungary became more supportive over the years in every age group. Especially the youngest age group and the 54+ seem to have shifted. The youngest age group became more conservative while the older age groups show the opposite trend. In Poland, in Figure 1 the decline of Poland was noticeable; it appears that mainly the youngest age groups moved towards a more conservative attitude and only the older age groups 54+ developed a more supportive attitude towards the nurturant father.

In 1999, the youngest age groups in western Germany are more supportive compared to the ones in eastern Germany, whereas the older age groups (45+) in eastern Germany are more supportive than the West Germans. In 2008, we observe a convergence of attitudes between East and West Germans with the exception of the oldest age group. Interestingly, the youngest age group of East Germans is more supportive towards the nurturing father in 2008, than their former cohort, as well as the West Germans in the same age group and year.

Table 1: The percentage who agree to the nurturing father, differentiated by country age and year (weights included)

Country	Year	15-24	25-34	35-44	45-54	54-64	65+
Sweden	1999	96.8	93.2	93.5	91.6	89	83.6
	2009	94.7	97.8	93.3	91.3	91.9	87.4
Denmark	1999	91.4	96.1	86.8	83.9	74.1	70.8
	2009	91	93.8	91.8	89.1	85.5	78
France	1999	85.9	86.1	81	82.9	77.2	67
	2008	94	93.6	89.8	88.5	87.9	81.7
Netherlands	1999	93.8	81.9	83.3	78.3	65	58
	2008	88.8	85.3	81.9	78.4	77.8	70.3
Great Britain	1999	82.1	75.9	72.5	65.7	63.6	60.4
	2008	86.8	84.6	82.4	82	74.1	67.3
Hungary	1999	77.8	72.8	67.4	71.3	66.4	64.9
	2008	69.7	75.5	78.3	73.3	70.2	67.8
Poland	1999	90.6	92.4	87	86.1	77.1	75.7
	2008	84.8	86.3	84.1	84.8	80.1	78.3
Eastern Germany	1999	80.4	75.3	76.1	84.7	76.2	65.3
	2008	84.8	77.5	77	75.3	72.1	68.3
Western Germany	1999	88.3	82.4	83.8	66.7	63.5	56.3
	2008	77.9	78.5	78	74.2	71.3	63.6
Spain	1999	84.3	84.8	82.1	77.8	61.7	54.2
	2008	90.7	85.4	86.6	86.3	76.3	61.3

Source: European Value Survey.

The difference in percentage points between the ones belonging to the youngest age group of 15-24 of 1999 and 2008 were calculated to identify if there is potentially a cohort replacement effect in the attitudes. To identify if the new generation holds significantly different attitudes, the two tailed Fisher's exact test is used. This test provides more acquired information, than for instance the Pearson's chi-square test, with relatively small sample sizes.¹² Only the p-values are shown in Table 2. Hereby, it shows that only France and Spain seem to have a new cohort with significant different attitudes than the individuals in the age group 15-24 in 1999.

Table 2: Cohort replacement effect in percentage point difference (no weights included)

	Cohort replacement
Sweden	-2.1
Denmark	-0.4
France	8.2**
Netherlands	-4.8
Great Britain	4
Poland	-4.8
Hungary	8.2
East-Germany	6.3
West Germany	-12
Spain	6.4*

Source: European Value Survey.

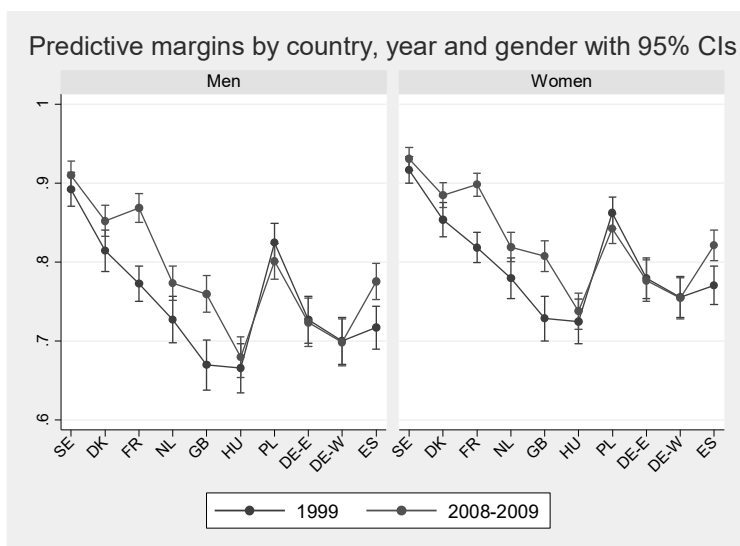
The descriptive statistics illustrate how intra-country differences are connected to their predicted attitudes, due to their welfare states. Also the various age structures give more insight of a replacement effect or intra-cohort attitude changes. To enhance our understanding on how the attitudes towards fatherhood are constructed further analysis is necessary to obtain the coefficients and their significance, for both the intra-country and inter-country differences which will be done in the next subchapter.

6.2 Multivariate analysis

To identify the transformation of attitudes towards the nurturing father over those nine or ten years, an interaction between the countries and years are made. Thereafter, the predicted probabilities are plotted in a margins plot, separated for men and women.

¹² The sample sizes deviated around a 100 per age category. ***p<0.01 **p<0.05 *p<0.1.

Figure 2: Margins plot of the predicted probabilities of supporting the nurturing father over the years by gender. Controlled for age, education, employment status, children and marital status (no weights included)



Source: European Value Survey

The countries are positioned on the expected spectrum on how likely it is that they support the nurturing father, from being totally supportive on the left and conservative on the right. This seems to correspond to most of the countries, as it is almost everywhere a downwards line, but Poland and Spain are much more progressive than anticipated. These margins plots show that overall the predicted probabilities of men is lower to support the nurturing father than the women for all countries, since men position themselves lower on the y-axis than women. Furthermore, for both genders a similar pattern prevails over the years per country. France shows a significant difference between 1999 and 2008 for both genders and the same applies for Great Britain and Spain. For the other countries, there does not seem to be a significant difference of attitudes over the years and especially Germany seems to show constant attitudes over those nine years.

To get a better understanding of what might influence the composition of the attitudes towards fatherhood, the rest of the inter-country variable coefficients are given in the first row of the table below. The second and the third row are separated by gender, because men and women might differ in their determinants that influence their attitude towards father's involvement. For instance, for men this question might not be hypothetical since they are fathers themselves.

Table 3: Results of logistic regression in Odds Ratios. Dependent variable: Agreement to nurturing father

	Total	Men	Women
Gender: Men	Reference	x	x
Women	1.338***	x	x
Age: 15-24	Reference	Reference	Reference
25-34	1.102	0.948	1.227*
34-44	1.018	0.864	1.134
45-54	0.892	0.734**	1.009
55-64	0.675***	0.506***	0.834
65+	0.473***	0.328***	0.626***
Education level: Lower	Reference	Reference	Reference
Middle	1.045	1.015	1.094
High	1.114 **	1.01	1.260***
Employment status: Employed	Reference	Reference	Reference
Unemployed	0.926	0.95	0.881
Student	1.138	1.011	1.237
Housewife	0.666***	1.029	0.661***
Other(i.e. Retired)	0.934	1.029	0.898
No child(ren)	Reference	Reference	Reference
Having child(ren)	0.845***	0.947	0.789***
Marital status: Married	Reference	Reference	Reference
Divorced/Separated	0.987	1.234**	0.824***
Single (i.e.widowed)	1.091*	1.159**	1.012
Observations	24,176	11,198	12,971

Source: European Value Survey. *** $p < 0.01$ ** $p < 0.05$ * $p < 0.1$

As the margins plot already indicated, women are more likely to agree to the statement “In general, fathers are as well suited to look after their children as mothers” than men. Furthermore, the oldest age categories (55 and older) are the least likely to agree with the idea of the nurturing father. Also, the higher educated women are significantly more supportive than the lower educated ones. Interestingly, there are no educational differences for men. Literature tells us that having children makes people more conservative. This is also shown for mothers, since they have lower odds to agree with the nurturing father than childless women. Lastly, divorced, separated or single men are more likely to support the idea of the nurturing father. For divorced or separated women, the effect is in the opposite direction. The latter is likely to be due to maternal gatekeeping.

7. Discussion

Overall, Sweden is the country that is most supportive towards the nurturing father compared to the other countries. The countries show to a certain extent the predicted attitudes towards the nurturing father, and positioned themselves close to the same welfare regime. However, Spain and Poland were much more progressive than anticipated.

In the margins plot (Figure 2), it shows that only France, Great Britain and Spain experience a significant transformation towards supporting the nurturing father, while the other countries seem to stagnate in their attitudes formation.

The new cohort in France and Spain are significantly more progressive than the former age 15-24 age group in 1999. The older age groups had overall the lowest percentage compared to the other age groups to support the nurturing father, and also have significantly lower odds to support the nurturing father than the youngest age group. However, the descriptive percentages show that older age groups became more progressive over time in Sweden, Denmark, the Netherlands, West Germany and Poland.

Women seem to be significantly more supportive towards the nurturing father than men and for the countries which experienced a significant change over time (France, Great Britain and Spain) both genders changed simultaneously. Furthermore, the effect of education seems to have an impact on women only and not on men, the same holds for the effect of having a child, whereby only mothers instead of fathers are significantly less supportive than their childless counterparts. This asks for further investigation. For instance, is education or having a child considered as a driver of attitudes towards fathers or does this only hold for women?

Nonetheless, one should take into account that the interpretation of the question might differ per country and that this might explain certain variances. For example, how the word 'suitable' is interpreted in the questionnaire might deviate by country. Furthermore, one might argue that this data is slightly outdated and that countries like Germany have changed their family policies significantly and moved away from preferring the male breadwinner ideal since 2008 (Fleckenstein 2011).

This paper tried to provide a descriptive overview and does not give an in-depth explanation of the transformation or stagnation of the attitudes. Yet, the objective of this research is to trigger further research on this topic, and hopefully more contemporary data is available by then to unravel the transformation of attitudes by country and social groups.

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References

- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, 50, pp. 179-211.
- Arts, W. & Gelissen, J. (2002). Three worlds of welfare capitalism or more? A state-of-the-art report. *Journal of European Social Policy*, 12, 2, pp. 137-158.
- Bauernschuster, S. & Rainer, H. (2012). Political regimes and the family: How sex-role attitudes continue to differ in reunified Germany. *Journal of Populations Economics*, 25, pp. 5-27.
- Brant, R., (1990). Assessing proportionality in the proportional odds model for ordinal logistic regression. *Biometrics*, 46, 4, pp. 1171-1178.

- Brewster, K. L. & Padavic, I. (2000). Change in gender-ideology, 1977-1996: The contributions of intra-cohort change and population turnover. *Journal of Marriage and the Family*, 62, 2, pp. 477-487.
- Brooks, C. & Bolzendahl, C. (2004). The transformation of US gender role attitudes: Cohort replacement, social-structural change, and ideological learning. *Social Science Research*, 33, pp. 105-133.
- Cabrera, N. J., Tamis-LeMonda, C. S., Bradley, R. H., Hofferth, S. & Lamb, M. E. (2000). Fatherhood in the twenty-first century. *Child Development*, 71, pp. 127-136.
- Coltrane, S. & Parker, R. D. (1998). *Reinventing fatherhood: Toward a historical understanding of continuity and change in men's family lives*. Philadelphia: National Center on Fathers and Families (Working Paper 98-12A).
- Davis, S. & Greenstein, T. (2009). Gender ideology, components, predictors, and consequences. *Annual Review of Sociology*, 35, pp. 87-105.
- Egmond van, M., Braxter, J., Buchler, S. & Western, M. (2010). A stalled revolution? Gender role attitudes in Australia 1986-2005. *Journal of Population Research*, 27, 3, pp. 147-168.
- Esping-Andersen, G. (1990). *The three worlds of welfare capitalism*. Princeton: Princeton University Press.
- Esping-Andersen, G. (1999). *Social foundations of postindustrial economies*. Oxford: Oxford Press.
- Fenger, H. J. M. (2007). Welfare regimes in Central and Eastern Europe: Incorporating post-communist countries in a welfare regime typology. *Contemporary Issues and Ideas in Social Sciences*, 3, pp. 1-30.
- Ferrera, M. (1996). The 'southern' model of welfare in social Europe. *Journal of European Social Policy*, 6, pp. 17-37.
- Fleckenstein, T. (2011). The politics of ideas in welfare state transformation: Christian democracy and the reform of family policy in Germany. *Social Politics*, 18, 14, pp. 543-571.
- Fodor, E., Glass, C., Kawachi, J. & Popescu, L. (2002). Family policies and gender in Hungary, Poland, and Romania. *Communist and Post-Communist Studies*, 35, pp. 475-490.
- Furstenberg, F. F. Jr. (1988). Good dads – bad dads. Faces of fatherhood. In: Andrews, J. C. (Ed.), *The changing American family and public policy*. Washington DC: Urban Institute Press, pp. 193-218 (The Changing Domestic Priorities Series).
- GESIS (2014). EVS-1981-2008 Variable Report Longitudinal Data File. *GESIS-Variable Reports No. 2015/11*.
- Inglehart, R. & Norris, P. (2003). *Rising tide: Gender equality and cultural change around the world*. Cambridge: Cambridge University Press.
- Kreyenfeld, M., G. Andersson, G. & Mika, G. (2009). *Welfare state context, Female earnings and childbearing in Denmark and Germany*. Rostock: Max Planck Institute of Demographic Research (MPIDR Working paper).
- Kremer, M. (2007). How welfare states care. Culture, gender, and parenting in Europe. Amsterdam: Amsterdam University Press.
- Lamb, M.E. (2008). The history of research on father involvement. *Marriage and Family Review*, 29, pp. 23-42.
- Lesnard, L., (2008). Off-scheduling within dual-earner couples: An unequal and negative externality for family time. *American Journal of Sociology*. 114, 2, pp. 447-490.
- Lewis, J. (2001). The decline of the male breadwinner model: Implications for work and care. *Social Politics*, 8, 2, pp. 152-170.
- Lewis, J. (1992). Gender and the development of welfare regimes. *Journal of European Social Policy*, 2, pp. 159-173.
- Lewis, J., Campbell, M. & Huerta, C. (2008). Patterns of paid and unpaid work in Western Europe: Gender, commodification, preferences and the implication for policy. *Journal of European Social Policy*, 18, 1, pp. 21-37.
- Marsiglio, W. (1995). Fatherhood scholarship: An overview and agenda for the future. In: Marsiglio, W. (Ed.) *Fatherhood. Contemporary theory, research, and social policy*. Thousand Oaks: Sage;
- Moss, P. (Ed.) (2010). *International review of leave policies and related research 2010*. London: Department for Business, Innovation and Skills (Employment Relations Research Series No. 115).

- Pfau-Effinger, B., & Smidt, M. (2011). Differences in women's employment patterns and family policies: Eastern and western Germany. *Community, Work & Family, 14*, 2, pp. 217-232.
- Pleck, E. H. (1997). Paternal involvement: Levels, sources, and consequences. In: Lamb, M. E. (Ed.) *The role of the father in child development*. New York: Wiley, pp. 66-103 (3rd edition).
- Plomien, A. (2009). Welfare state, gender, and reconciliation of work and family in Poland: Policy developments and practice in a new EU member. *Social Policy & Administration, 43*, 2, pp. 136-151.
- LaRossa R. (1988). Fatherhood and social change. family relations. *Family relations. The contemporary family: Consequences of Change, 37*, 4, pp. 451-457.
- Sayer, L. C. (2005). Gender, time and inequality: Trends in women's and men's paid work, unpaid work and free time. *Social Forces, 84*, pp. 285-303.
- Scott, J. (1999). European attitudes towards maternal employment. *International Journal of Sociology and Social Policy, 19*, pp. 144-177.
- Scott, J. (2008). Changing gender role attitudes. In: Scott, J., Dex, S. & Joshi, H. (Eds.), *Women and employment. Changing lives and new challenges*, Cheltenham: Edward Elgar, pp. 156-178.
- Tanfer, K. & Mott, F. (1998). The meaning of Fatherhood for men. In: Federal Interagency Forum on Child and Family Statistics (Eds.), *Nurturing fatherhood: Improving data and research on male fertility, family formation and fatherhood*. Washington, DC: Federal Interagency Forum on Child and Family Statistics.
- Trifiletti, R. (1999). Southern European welfare regimes and the worsening position of women. *Journal of European Social Policy, 9*, pp. 49-64.
- Visser, J. (2002). The first part-time economy in the world: A model to be followed? *Journal of European Social Policy, 12*, pp. 23-42.
- West, C. & Zimmerman, D. (1987). Doing gender. *Gender and Society, 1*, 2, pp. 125-151

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Appendix

Table 4: Summary statistics EVS 1999

	SE	DK	FR	NL	GB	DE-E	DE-W	HU	PL	ES
Men	49.6	48.6	47.7	48.9	48.0	45.5	42.6	46.6	47.5	48.7
Women	50.4	51.4	52.3	51.0	51.9	54.5	57.4	53.4	52.5	51.3
Missing	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Age										
15-24	12.6	10.4	11.3	11.1	11.8	11.0	10.3	13.3	14.5	14.4
25-34	19.8	20.4	19.8	20.7	20.9	16.6	18.3	18.7	17.3	21.0
35-44	18.2	20.6	19.6	20.5	18.0	21.9	22.7	17.3	19.2	16.9
45-54	20.8	19.3	17.3	18.3	14.3	18.2	14.5	17.3	22.3	14.0
54-64	15.4	13.2	11.8	12.3	13.0	15.8	15.1	13.3	10.9	15.2
65+	13.3	16.2	20.3	17.1	19.3	16.3	19.0	20.0	15.9	18.5
Missings	0.0	0.0	0.0	0.1	2.7	0.1	0.2	0.3	0.0	0.0
Education										
Low	23.3	52.3	57.8	31.2	42.6	34.5	46.8	64.9	55.0	42.1
Middle	47.2	14.4	19.6	36.0	37.0	52.0	44.2	24.2	31.7	43.3
High	29.5	26.8	22.6	32.7	13.9	12.6	8.1	10.5	13.0	14.6
Missings	0.0	6.5	0.0	0.0	6.5	0.9	1.0	0.4	0.3	0.0
Marital Status										
Married	47.4	52.8	44.1	50.0	50.5	61.0	66.1	58.3	66.7	59.0
Divorced/Seperated	18.6	10.0	12.2	9.6	11.9	9.9	5.9	9.5	3.4	3.1
Single(i.e.widowed)	33.8	37.2	39.5	40.0	35.0	28.7	27.9	32.0	29.9	37.8
Missing	0.2	0.0	4.3	0.5	2.6	0.4	0.1	0.2	0.0	0.2
Having (a) child(ren)										
No Child	32.0	26.5	31.2	37.2	25.3	21.9	25.1	20.7	21.6	35.2
Child	67.6	73.5	68.8	62.6	73.6	77.9	74.7	79.1	78.4	64.6
Missing	0.4	0.0	0.0	0.2	1.1	0.2	0.2	0.2	0.0	0.3
Employment Status										
Employed	65.5	62.3	47.9	62.0	50.6	48.5	48.5	44.3	50.2	43.4
Unemployed	4.6	3.8	6.1	1.5	6.7	16.0	3.4	8.0	9.2	7.8
Student	10.4	7.8	6.4	4.2	5.2	4.5	6.3	3.1	5.5	8.3
Housewife	1.2	1.2	11.0	13.8	11.0	1.6	16.7	2.9	4.7	20.6
Other(i.e. Retired)	18.1	24.9	28.5	18.0	25.9	29.0	24.3	40.0	30.4	19.9
Missing	0.21	0	0.06	0.5	0.64	0.5	0.81	1.87	0	0
Total N	1007	996	1598	986	955	951	997	963	1058	1155

Source: European Value Survey.

Table 5: Summary statistics EVS 2008-2009

	SE	DK	FR	NL	GB	DE-E	DE-W	HU	PL	ES
Men	50.2	48.8	47.7	49.1	48.1	48.6	48.2	46.6	47.3	48.8
Women	49.8	51.2	52.3	50.9	51.9	51.4	51.8	53.4	52.7	51.2
Age										
15-24	11.3	10.2	11.6	10.8	10.5	9.9	9.9	13.3	14.0	12.7
25-34	16.8	16.1	16.8	15.8	16.2	13.5	14.4	18.4	19.8	20.5
35-44	20.3	19.3	18.5	19.9	18.7	18.5	19.8	16.2	16.0	19.0
45-54	18.9	17.4	17.6	18.9	17.9	19.0	18.2	18.9	18.7	14.9
54-64	18.8	17.3	14.4	16.3	15.5	14.5	13.8	14.1	14.8	12.0
65+	14.0	19.8	21.1	18.4	21.3	24.6	24.0	19.2	16.7	20.9
Education										
Low	17.5	24.2	22.9	35.7	51.0	12.1	17.5	24.4	15.9	47.6
Middle	47.7	39.8	45.5	30.6	19.1	61.5	65.4	59.2	65.1	33.8
High	33.0	34.9	31.3	32.7	25.1	26.3	17.0	16.4	18.5	17.7
Missings	1.8	1.2	0.3	1.0	4.8	0.1	0.2	0.1	0.5	0.9
Marital Status										
Married	49.1	54.9	43.6	53.8	44.9	45.4	50.7	50.4	55.8	44.7
Divorced/Separated	10.5	9.3	12.9	7.0	15.2	15.5	11.1	10.2	4.7	8.7
Single(i.e.widowed)	33.1	35.2	43.0	38.8	39.7	39.1	37.9	39.2	39.1	46.4
Missing	7.3	0.6	0.5	0.4	0.2	0.0	0.3	0.3	0.5	0.2
Having (a) child(ren)										
No Child	22.9	26.7	28.6	30.6	26.6	25.5	34.6	30.1	30.5	38.4
Child	69.8	72.8	71.4	69.2	73.2	74.0	64.4	69.4	67.7	60.3
Missing	7.2	0.5	0.1	0.2	0.2	0.5	1.1	0.5	1.9	1.4
Employment Status										
Employed	65.4	64.8	55.7	65.5	52.1	43.1	53.9	49.8	49.8	53.1
Unemployed	5.3	2.0	4.8	1.5	8.5	17.8	5.1	7.9	7.4	8.1
Student	6.9	6.2	5.3	3.2	3.3	3.6	3.8	6.9	8.6	5.5
Housewife	0.3	0.5	5.6	8.8	7.0	2.2	5.9	1.2	5.4	15.0
Other(i.e. Retired)	19.2	25.9	28.4	21.0	29.1	33.1	31.2	34.1	28.6	18.3
Missing	2.93	0.58	0.23	0	0.1	0.12	0.09	0	0.08	0
Total N	1121	1489	1496	1529	1485	931	1041	1503	1458	1457

Source: European Value Survey.

Table 7: Brant test for the 1999 responses

Variable	chi2	p>chi2	df
All	156.32	0	14
Country	81.46	0	2
Sex	2.76	0.251	2
Age	16.9	0	2
Education	6.92	0.031	2
Employment status	8.68	0.013	2
Having (a) child(ren)	6.62	0.037	2
All	0.62	0.732	2

Table 8: Brant test for the 2008-2009 responses

Variable	chi2	p>chi2	df
All	49.52	0	14
Country	3.58	0.167	2
Sex	5.94	0.051	2
Age	0.07	0.965	2
Education	6.64	0.036	2
Employment status	5.88	0.053	2
Having (a) child(ren)	11.7	0.003	2
All	3.4	0.183	2