The Work-Life Conflict and Well-Being of Turkish Employees

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Abstract

Using data drawn from the 2004 European Social Survey, we examine the determinants of the life satisfaction of employees in Turkey. The data reveal that the majority of Turkish wage and salary earners are either under- or overemployed. About half of Turkish workers have to work longer than they desire, so, unsurprisingly, the share of workers who say they are pleased with their work schedules is only 22%. Gender turns out to be closely linked with the hours-mismatch status, as the level of over-employment is eight percentage points higher among female workers than male. Ordered probit-model estimates reveal that over-employment (measured as the difference in the actual and preferred weekly number of hours) has a negative impact on wellbeing. We failed to turn up a statistically significant finding for underemployment, which we attribute to the small sample size. We also find no statistically meaningful difference in the impact on male versus female employees of the work-hours mismatch. This suggests that the gender differences that would have been expected in this context are already incorporated into the respondents' subjectively determined desired hours of work. In addition, we find that family-to-work conflict is less common, but has a larger impact on well-being than work-to-family conflict.

JEL codes: C25, I31, J21, J22

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Survey

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1. Introduction

A widespread concept in the well-being literature is "work-life conflict," which refers to the distress caused by the difficulty in allocating adequate time to the labor market on the one hand and leisure or household activities on the other. A large body of empirical literature provides evidence that deviations of actual hours of work from desired hours are common among the employed in many countries, and that these "work-hours mismatches" are responsible for reductions in the overall life satisfaction of employees (Bell and Freeman, 2001; Böheim and Taylor, 2004; Clark, 2005; Dickens and Lundberg, 1993; Euwals and Van Soest, 1999; Grözinger et al., 2008; Heineck and Möller, 2012; Holly and Mohnen, 2012; Jacobs and Gerson, 2004; Reynolds, 2004; Reynolds and Aletraris, 2006; Stewart and Swaffield, 1997; Stier and Lewin-Epstein, 2003).

The empirical evidence on whether positive or negative deviations from desired hours lead to greater losses in life satisfaction are mixed. Wooden et al. (2009) state that over-employment is a more serious problem than underemployment, but Wunder and Heineck (2013) argue that under-employment causes a stronger reaction in well-being, particularly among males. The explanation Wunder and Heineck offer for this is that under-employed individuals are deprived of the utility gains arising from monetary and non-monetary job aspects, such as the potential for developing skills and the social interaction with colleagues or customers.

Regarding the gender differences in the impact of the work-life conflict on life satisfaction, Başlevent and Kirmanoğlu (2014) report that the life-satisfaction effect of the hours mismatch is the same for male and female workers, i.e., the reduction in life satisfaction for each hour of deviation from desired hours is statistically the same. Since female employees are expected to place more importance on being able to combine work and family responsibilities than males—which is logical because many time-consuming house-hold activities are performed by women—one would initially think that reductions in life satisfaction due to hours mismatches should be greater for females. Başlevent and Kirmanoğlu explain this by showing that the absolute difference between the actual and desired hours of work variables is as an accurate measure of the extent of the work-life conflict, such that any gender differences that exist are captured by this variable.

Using a cross-section of 25 European countries, Boye (2009) focuses on the gender differences in the association between paid and unpaid working hours and well-being. The results indicate that women's well-being increases with a higher number of paid working hours and decreases with a rise in housework hours. Gender differences in time spent on paid work and housework account for a third of the European gender difference in well-being and are thus one reason that women are found to have lower well-being than men (Frankenhaeuser et al., 1989; Karasek et al., 1987; McDonough and Walters, 2001; Mirowsky and Ross, 1995). These findings are also in line with those obtained elsewhere where housework hours are associated with higher levels of stress among women (Coltrane, 2000; Glass and Fujimoto, 1994; Roxburgh, 2004).

One strand of the well-being literature has focused on whether work-to-family or family-to-work conflicts have more influence on life satisfaction. As explained in Gareis et al. (2009), work-life (or work-family) conflict is a bi-directional term that covers both work-to-family and family-to-work conflict. For example, long work hours may predict work-to-family conflict, whereas heavy elder-care demands may point to family-to-work conflict. Gutek et al. (1991), Frone et al. (1992), and Voydanoff (2005) are among the studies that have shown that each direction of influence can have various antecedents and consequences.

As is clear from the above literature review, the work-life conflict and its implications have been widely studied; however, similar studies on Turkish workers have not been carried out due to the lack of data on actual and preferred hours of work. To the best of our knowledge, the ESS-2004 (to be presented in the next section) is the only survey in which this information is available for Turkish workers, and it has not been applied to the issue of life satisfaction. According to an OECD report, Turkey is by far the country with the highest proportion of employees working very long hours, with almost half of them regularly putting in over 50 hours a week (OECD, 2010). Thus, it is likely that a large proportion of Turkish workers are unhappy about their work hours and that major life-satisfaction effects of over-employment are present.

The purpose of the current study, therefore, is to present the descriptive patterns of the prevalence of over- and under-employment in Turkey and to produce empirical evidence of the impact of these hours mismatches on the life satisfaction of Turkish employees. As in Başlevent and Kirmanoğlu (2014), we observe whether the life-satisfaction effects of over- and under-employment are the same and whether the magnitude of their effect differs for male and female workers. In addition, we make use of the relevant survey items in the European Social Survey to test whether work-to-family or family-to-work conflicts have more of an impact on well-being. Our hope is to be able to complement the empirical findings in the existing literature by using

data for a predominantly Muslim country where the female labor-participation rate is quite low, the labor market is relatively inflexible, and traditional views about the division of labor within the household are still highly common.

2. The Data and Research Methodology

The data used in the empirical study will be drawn from the second round of the European Social Survey (ESS). Turkey is one of the 26 countries that took part in the 2004 survey. The ESS is a cross-country survey conducted biannually since 2002 to monitor attitudes and behaviors across countries and over time. In the main questionnaire, there are several questions whose aim is to measure the life satisfaction of the respondents; there are also questions designed to elicit the respondents' labor-market involvement. The second round of the survey also includes a rotating module titled "Work, Family, and Well-being." The aim of the module is to examine theoretical claims about the factors affecting work, family experience, and well-being in Europe. It inquires about the ideal hours that people would like to work. The exact wording of the survey question is as follows:

"How many hours a week, if any, would you choose to work, bearing in mind that your earnings would go up or down according to how many hours you work?"

In measuring the extent to which ideal hours deviate from the actual time spent in the labor market, we bring this bit of information together with the response provided to another survey question, worded as follows:

"Regardless of your basic or contracted hours, how many hours do/did you *normally work* a week (in your main job), including any paid or unpaid over-time?"

In the empirical work, we will first carry out a descriptive analysis in which we will note the mean values of actual and desired weekly hours of work and weekly hours spent on housework. Due to the small number of female respondents in other employment states (i.e. self-employment and unpaid family work), our sample will be restricted to respondents who are currently engaged in paid work as an employee. Students and those with permanent disabilities will likewise be excluded from the sample. We will also include the shares of those doing housework among married and non-married women as well as those with and without children. We will then estimate a

The data set is available at http://ess.nsd.uib.no/ess/round2/.

The same module was repeated in the fifth round of the survey in 2010, but Turkey was not among the participating countries.

single equation model that examines whether and how individual characteristics explain the overall life satisfaction of an individual. The responses to the question on overall life satisfaction, which will serve as our measure of wellbeing and the dependent variable of our model, are given on an 11-point scale, from 0 to 10, with larger values indicating greater satisfaction. The wording of the related survey item is as follows:

"All things considered, how satisfied are you with your life as a whole nowadays?"

Since the given scores have a clear ordering, the ordered probit model is an appropriate estimation technique to be utilized in this context. Altough probability interpretations are complex, the interpretation of the coefficients on the explanatory variables is the same as in standard regression models: positive coefficients imply a positive association between life satisfaction and the variable in question.

A straightforward way of observing the impact of the hours mismatch, which is a key variable of interest, on life satisfaction is to use a dummy variable that indicates the "matched" respondents whose actual and desired hours are the same. This variable can be interacted with the female dummy to see if any gender differences exist. Another way of measuring the impact of the hours mismatch on life satisfaction is to use an explanatory variable that equals the absolute difference between actual and desired hours of work. However, in order to determine the possible differences between the effects of under- and over-employment, we constructed two separate deviation variables that indicate negative and positive deviations from desired hours. For example, in the case of an over-employed person whose actual weekly hours of work are three hours more than his/her desired hours, the "positive deviation" variable takes on the value of 3 while the "negative deviation" variable takes on the value of zero. In the case of "matched" individuals, both the "positive deviation" and "negative deviation" variables take on the value of zero. These two deviation variables are also interacted with the "female" dummy to see if the life-satisfaction effects of hours mismatches differ by gender.

The two survey items that relate to the respondents' self-evaluation of the amount of their work-to-family or family-to-work conflicts are worded as follows:

"How often do you..

..find that your job prevents you from giving the time you want to your partner or family?

..find it difficult to concentrate on work because of your family responsibilities?

Using these items, we generated two indicators for those whose response to these questions was "never" or "hardly ever." The first one is meant to account for the presence of work-to-family conflict, while the second is expected to reveal the extent to which family-to-work conflict is present. Since these variables are likely to be correlated with the difference between actual and desired hours, we will estimate our model with and without them and see if other patterns emerge.

In building our empirical model, we will rely on the conclusions of existing studies of the relationship between life satisfaction and a wide range of variables. As far as the role of basic demographics is concerned, we control for a U-shaped level of life satisfaction throughout the life cycle. Previously conducted studies report that women have higher life-satisfaction levels than men, as do married people compared to others. Education has also been shown to be an important socio-demographic determinant that is positively associated with life satisfaction. However, this pattern may have more to do with the higher levels of income that usually accompany more schooling. Being in good health and subjective well-being have also been found to be positively and significantly related.³

Thus, the individual characteristics controlled for in the model will include the gender and the age of the respondent along with "age squared" to allow for the possibility of a non-linear relationship. Education will be measured using a continuous variable that equals the years of full-time education completed. Economic well-being will be controlled for using a household-income variable measured on a 10-point scale (from 1 to 10), such that larger values correspond to higher incomes. The subjective general health of the respondents will be measured on a scale from 1 to 5, such that larger values indicate better health. The ESS data identify individuals who live with a partner

Empirical studies that report significant associations between these variables and life satisfaction include Albert and Davia (2005), Alesina et al. (2004), Becchetti et al. (2006), Blanchflower and Oswald (2004, 2008), Clark (1997), Clark and Oswald (1994), Cuñado and Pérez de Gracia (2012), Easterlin (1974, 2001), Frey and Stutzer (2002), Hayo (2004), Hooker and Siegler (1993), McBride (2001), Okun et al. (1984), Peck and Merighi (2007), and Yang (2008).

(which includes husbands/wives), which is probably a more relevant indicator than marital status in the European context, but since cohabiting is rare in Turkey, we will use the married vs. non-married distinction.

The survey item we use to control for financial well-being is the respondents' feelings about the income of their household. A categorical variable is derived from the question worded and responded to as follows:

"Which (is the) closest to how you feel about your household's income nowadays?"

Living comfortably on present income = 1 Coping on present income = 2 Finding it difficult on present income = 3 Finding it very difficult on present income = 4

Our ordered probit model, in which the level of life satisfaction is the dependent variable, is estimated on the pooled sample of male and female workers to ensure that the sample size is not too small to obtain reliable results and also that gender differences can be tested formally. Along with the gender variable, the model includes several interaction terms in order to be able to observe whether there are statistically significant gender differences in how life satisfaction relates to the key factors considered in our analysis.

3. Empirical findings

We begin the presentation of the empirical findings by summarizing the basic patterns of the work-hours mismatch in our sample of employees drawn from the ESS. Unfortunately, we need to work with a relatively small sample of 294 workers, 213 of whom are males. About half of the women in the working sample are married as opposed to 73% of the men. The larger share of married workers among males is consistent with the general pattern of many Turkish women dropping out of the labor force after marriage.

The figures given in Table 1 reveal that the share of matched workers in the full sample is only 22%, while about half the workers are over-employed. Marital status does not appear to have a big impact on the hours-mismatch status, but the share of matched workers in the subsample of single respondents is somewhat larger, at 25%. Gender, on the other hand, has a notable impact on the hours-mismatch status, as the share of over-employment is eight percentage points higher among female workers than men. Also, the share of under-employed women is 11 percentage points lower than the corresponding figure for men. Similar figures are obtained when gender differences are measured among single and married workers separately.

Table 1. Hours-mismatch status by gender and marital status (Sample shares in %)

	Single			Married			All		
	Male	ale Female All Male Female		All	Male	Female	All		
Under-employed	29.3	19.5	25.3	31.0	20.0	28.7	30.5	19.8	27.6
Matched	25.9	24.4	25.3	19.4	22.5	20.0	21.1	23.5	21.8
Over-employed	44.8	56.1	49.5	49.7	57.5	51.3	48.4	56.8	50.7

Calculating the difference between actual and desired weekly hours by hours-mismatch status (see Table 2), we find that desired hours per week exceed actual hours by almost 18 hours among the under-employed, with the difference among the over-employed being just as large. On the whole, weekly actual hours exceed desired hours by 4.1.

Table 2. Average actual and desired hours by hours-mismatch status

	Actual hours per week (A)	Desired hours per week (B)	Difference between A and B
Under-employed	34.2	52.0	-17.8
Matched	45.6	45.6	0
Over-employed	56.6	38.8	17.7
All	48.0	43.9	4.1

The more detailed information on actual and desired hours by gender and marital status presented in Table 3 reveals that there is almost no difference in the actual weekly working hours of single male and female workers. However, married men work five hours more than their female counterparts. Due to the fewer hours that married women would like to work (= 37), the gap between actual and desired hours is wide in their case. However, the gap is even larger among single females, whose desired weekly hours are only 42, as opposed to 47 among single men.

It might be argued that the average of the absolute value of the difference between actual and desired hours is a more informative measure of the hours mismatch, as it ensures that positive and negative deviations do not cancel each other out. It turns out that the absolute difference is quite uniform across genders and marital statuses, with averages of around nine hours. What this result implies is that if the life-satisfaction effect of under-employment is close to that of over-employment, we may not see substantial differences in the satisfaction levels between males and females and between the single and the married. In fact, the average figures reported in the last column of Table 3 reveal that the life satisfaction of males exceeds that of females by 0.2, while

the same difference exists between married and single respondents. Nevertheless, it remains to be seen in the regression context whether the hours mismatches or demographic factors have more to do with life satisfaction.

Table 3. Difference between actual and desired hours by gender and marital status

	Frequency	Actual hours per week (A)	Desired hours per week (B)	Difference between A and B	Absolute difference between A and B	Life satisfaction
Male						
Single	58	49.8	46.6	3.1	8.8	6.2
Married	155	48.1	45.2	3.0	8.9	6.4
All	213	48.6	45.6	3.0	8.9	6.3
Female						
Single	41	49.8	42.3	7.5	9.3	6.0
Married	40	43.2	37.0	6.2	9.1	6.2
All	81	46.5	39.7	6.9	9.2	6.1

Another way of examining the distribution of actual and desired weekly hours in the sample is to make use of histograms that display the amount of dispersion in these variables.

In Figures 1 and 2, where actual and desired weekly hours presented are by gender, we observe that the distribution of both variables is similar in the male and female subsamples. One noteworthy finding here is that about one-third of both male and female workers would like to have a standard 40-hour workweek, whereas only about one-fifth of workers are at the 40-hour mark.

In Figures 3 and 4, where actual and desired weekly hours are presented by gender and marital status, we find that both variables are similarly dispersed in the male and female subsamples. While part-time work is more common among married women than singles, the standard workweek is more often the case among married men. Single men are more likely to have excessive working hours. In terms of desired hours, married male respondents are more likely to desire the standard 40-hour workweek, while singles are more likely to prefer to work longer hours. This is probably because they want to accumulate savings before getting married. Nearly 40% of single women desire the standard 40-hour workweek, whereas part-time work is a more desirable option for married women, as would be expected.

Figure 1. Actual weekly hours by gender

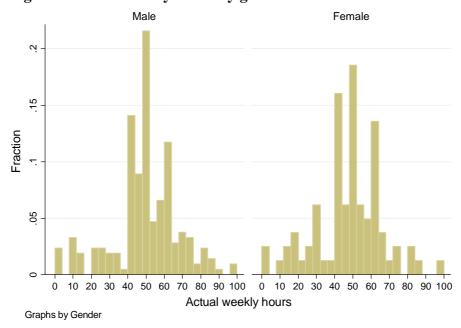
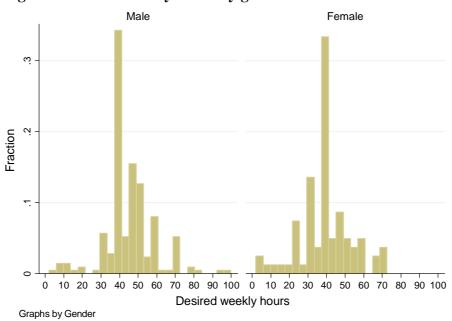
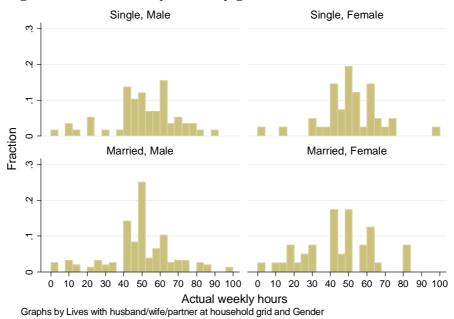


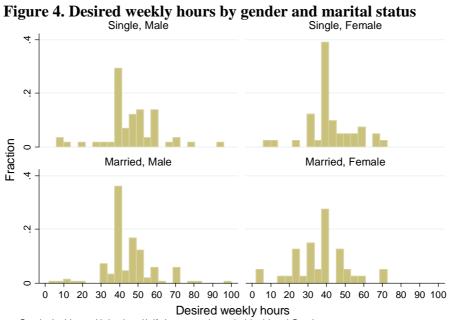
Figure 2. Desired weekly hours by gender



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Figure 3. Actual weekly hours by gender and marital status





Graphs by Lives with husband/wife/partner at household grid and Gender

The figures given in Tables 4a and 4b reveal that marital status does not much influence the prevalence of either work-to-family or family-to-work conflict: about half of both married and single employees never (or hardly ever) experience work-to-family conflict, while the corresponding figure for family-to-work conflict is around 60%.

Gender, on the other hand, greatly affects the distribution of the conflict variables when the sample is broken down by marital status, especially in the case of work-to-family conflict. The share of those never experiencing work-to-family conflict is 20 percentage points higher among single female workers than among single men. Among married workers, however, the figure for females is 20 percentage points lower.

Table 4a. Frequency of work-to-family conflict (sample shares in %)

	Single			Married			All		
	Male	Female	All	Male	Female	All	Male	Female	All
Never	30.2	50.0	39.0	39.5	20.0	35.4	37.4	33.8	36.4
Hardly ever	11.6	8.8	10.4	16.5	17.5	16.7	15.4	13.5	14.9
Sometimes	41.9	23.5	33.8	29.0	32.5	29.7	31.8	28.4	30.9
Often	14.0	8.8	11.7	9.9	20.0	12.0	10.8	14.9	11.9
Always	2.3	8.8	5.2	5.3	10.0	6.3	4.6	9.5	6.0

With respect to family-to-work conflict, the largest differentiation emerges between married males and females: the share of those never experiencing this type of conflict is 18 percentage points lower among female employees. While there are no male workers reporting family-to-work conflict "often," the share among both single and married women is more than 10%.

Table 4b. Frequency of family-to-work conflict (sample shares in %)

	Single			Married			All		
	Male	Female	All	Male	Female	All	Male	Female	All
Never	47.1	48.2	47.5	48.3	30.0	44.5	48.1	37.3	45.2
Hardly ever	23.5	25.9	24.6	23.2	25.0	23.6	23.2	25.4	23.8
Sometimes	29.4	11.1	21.3	27.8	32.5	28.8	28.1	23.9	27.0
Often	0.0	14.8	6.6	0.0	12.5	2.6	0.0	13.4	3.6
Always	0.0	0.0	0.0	0.7	0.00	0.5	0.5	0.0	0.4

Econometric results

The ordered probit results derived for five different versions of the empirical model are presented in Table 5. In the first specification, labeled with (1) in the table, the potential impact of work-life conflict is accounted for using only the two dummy variables that indicate respondents who claim to be never experiencing work-to-family and family-to-work conflict. In the second specification, the impact of work-life conflict is measured by a dummy variable that indicates respondents whose actual and desired hours are the same. This dummy is also interacted with the female dummy to learn whether gender differences exist. In the third specification, both sets of variables in (1) and (2) are included. In the fourth specification, the impact of work-life conflict is accounted for using two continuous variables that equal the positive/negative deviations of actual hours from desired hours. Once again, both variables are interacted with the female dummy to yield gender differences. Specification (5) includes both the deviation variables and the conflict dummies in (1) and (3).

It turns out that the age, gender, years of education, and marital status of the respondent do not have statistically significant effects on life satisfaction. The self-reported health of the respondent, on the other hand, has a significant positive effect in all versions of the model. The coefficients on the household-income dummies all have the expected negative sign, and they get larger as self-evaluations of the current economic situation of the household become more negative. Of the two dummy variables that indicate respondents who never experience work-to-family and family-to-work conflict, only the latter is found to have a noticeable effect on life satisfaction. Apparently, family responsibilities interfering with one's work are a more important source of distress for labor-market participants than the other way around. Given that the fulfillment of family responsibilities involves interactions with people one has stronger emotional ties with, it is to be expected that excessive amounts of this type of conflict have greater repercussions for life satisfaction.

The dummy variable that indicates respondents whose actual and desired hours are the same has the expected positive sign, but is not statistically significant, regardless of whether the conflict variables are included in the model or not. Of the two continuous variables that measure the positive/negative deviations of actual hours from desired hours, the one representing positive deviations has a statistically significant negative sign, while the negative-deviations variable is statistically insignificant. Also insignificant are the interaction terms that measure the difference between male and female respondents with respect to the effect of the hours mismatch.

Table 5. Ordered probit results

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	(1)	(2)	(3)	(4)	(5)
Age	-0.012	-0.009	-0.017	-0.002	-0.009
-	0.759	0.817	0.672	0.962	0.820
Age sq.	0.028	0.023	0.033	0.014	0.023
	0.586	0.644	0.522	0.779	0.649
Female	0.097	0.030	0.046	0.113	0.097
	0.485	0.849	0.771	0.546	0.605
Years of education	0.011	0.008	0.009	0.002	0.003
	0.492	0.622	0.585	0.906	0.858
Married	0.047	0.105	0.068	0.091	0.060
	0.777	0.521	0.682	0.581	0.717
Health (1 to 5)	0.242	0.250	0.244	0.246	0.241
	0.012	0.009	0.011	0.011	0.013
Household income	-0.407	-0.312	-0.360	-0.373	-0.422
=2 (coping)	0.056	0.144	0.095	0.080	0.050
Household income	-0.587	-0.469	-0.538	-0.493	-0.567
=3 (difficult)	0.015	0.051	0.027	0.042	0.021
Household income	-0.650	-0.558	-0.592	-0.698	-0.725
=4 (very difficult)	0.037	0.074	0.059	0.028	0.023
Work-to-family (no conflict)	-0.054		-0.056		-0.099
-	0.689		0.679		0.468
Family-to-work (no conflict)	0.345		0.328		0.313
	0.013		0.018		0.025
Matched		0.157	0.138		
		0.385	0.447		
Female × Matched		0.247	0.212		
		0.439	0.507		
Positive deviations				-0.012	-0.011
				0.040	0.053
Female ×				-0.004	-0.002
Positive deviations				0.718	0.879
Negative deviations				0.001	0.002
				0.876	0.813
Female ×				0.010	0.012
Negative deviations				0.661	0.612
Pseudo-R2	0.019	0.016	0.020	0.020	0.024
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Note: The number of observations is 294. The dependent variable is "overall life satisfaction," with values ranging from zero to 10. The figures in each cell are the coefficients (top) and the p-values of the two-sided tests of significance (bottom). The reference category for household income dummies is "Living comfortably on present income (=1)." The threshold estimates have been omitted from the output. The design weights available in the data set have been used to obtain nationally representative figures.

This finding is consistent with that of Başlevent and Kirmanoğlu (2014), who find that the life-satisfaction effect of the hours mismatch is the same for male and female workers. The interpretation of this result is that even though female employees are expected to place more importance on being able to combine work and family responsibilities than males, the absolute difference between the actual and desired hours of work variables serves as an accurate measure of the extent of the work-life conflict, with the result that any gender differences that are present are captured by the deviation variable.⁴

4. Concluding Remarks

Our examination of micro data from the 2004 European Social Survey has revealed that most Turkish wage and salary workers are under- or over-employed. The share of matched workers in the full sample was only 22%, whereas about half the workers had to work longer than they desired. Gender was found to be closely linked with the hours-mismatch status, as the share of over-employment was eight percentage points higher among female workers than male. Marital status, however, did not appear to change the hours-mismatch status—which was somewhat surprising, especially in the case of women. Two factors seem to be contributing to this result: one is that married women have shorter work hours than single women, and the other is that being an "employed and married" woman implies some degree of selectivity for that state.

In view of the possibility of selection bias due to working with a sample of employees only, it might be argued that the econometric models presented here need to involve a selectivity correction to obtain reliable estimates. After all, it is unlikely that employees constitute a random sample with respect to the life-satisfaction effects of hours mismatches. Employees are not only likely to have stronger preferences towards market work, but they are also may be less distressed by the mismatch than the average person in the population. Furthermore, individuals whose desired and actual hours differed in the past by very large amounts will probably have dropped out of employment. However, given the practical difficulties of properly accounting for selectivity bias and the fact that our estimates are meant to hold for actual labor-market participants, we chose not to deal with the selection process into employment.

The key finding of the econometric work was that larger levels of mismatch in the over-employment direction are associated with greater reductions

⁴ The patterns observed in the empirical models remain unchanged when estimations are repeated after the exclusion of health and income variables. Similar patterns are also observed when the OLS method is used in place of Ordered Probit.

in life satisfaction. These effects were not substantial, but still statistically significant. The lack of a majorlife-satisfaction effect in the case of underemployment was an unexpected result in light of an earlier finding obtained for a large sample of European countries. Assuming that the main reason given by people for their unhappiness about being under-employed is their inability to make enough money, we postulate that the household-income variables included in the model mediate the relationship between underemployment and life satisfaction. In order to entertain this possibility, we reestimated the model after excluding the three income dummies. However, the coefficient on negative deviations remained insignificant despite this exclusion. In view of this finding, we conclude that either under-employment does not have a significant life-satisfaction effect in the case of Turkish employees or the small sample size precludes us from observing it.

Our empirical work has provided concrete evidence of the presence of the life-satisfaction effects of excessive working hours. However, data limitations have prevented us from analyzing other possible consequences, such as losses in labor-market productivity, long-term psychological and physiological harm, and even the adverse implications for the quality of child-rearing. Such potential outcomes can be the subject of further research in various fields. In interpreting the results, one should also keep in mind the possibility of the endogeneity of the outcome variable, i.e., that the subjective evaluations utilized as independent variables may have been influenced by the level of overall life satisfaction. It also remains to be seen whether working with larger data sets leads to sharper empirical results that demonstrate the gender differences in this context as well as the differences between married and single employees. Specially designed surveys should be instrumental in dealing with these points as well as examining the life-satisfaction effects of job characteristics other than the work-hours conflict, such as informality, flexibility of weekly hours, and discriminatory or hostile behavior against certain groups.

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