

Data Appendix for “Structural Transformation, Marketization, and Household Production around the World”

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Abstract

This appendix provides notes on the construction of the estimates in “Structural Transformation, Marketization, and Household Production around the World”.

*The views expressed in this paper are solely those of the authors and not necessarily those of the U.S. Bureau of Economic Analysis or the U.S. Department of Commerce.

1 Introduction

We use the income method to impute the value added produced in the household. According to this approach, the value added of household production equals the sum of capital and labor used in the household each multiplied with an appropriate market rental price:

$$Y_t^h = (r_t + \delta)K_t^h + w_tH_t^h. \quad (1.1)$$

Y^h denotes value added produced by the household, r denotes the real interest rate in the market, δ denotes the depreciation rate, K^h denotes capital used in the household, w denotes an appropriate market wage, and L^h denotes hours worked in the household.

In the next Section 2, we describe the baseline methodology and the data sources we use to compute each of the factors on the right-hand side of Equation 1.1. For some countries and years it is not possible to apply the baseline methodology. In Sections 3-6, we describe these deviations and the data sources we use.

2 Baseline Methodology

2.1 Household capital K^h

We utilize the data from the OECD database on final consumption expenditures (in national currency and current prices) for: *P31CP051: Furniture and furnishings, carpets and other floor coverings*, *P31CP052: Household textiles*, *P31CP053: Household appliances*, *P31CP054: Glassware, tableware and household utensils*, *P31CP055: Tools and equipment for house and garden*, *P31CP061: Medical products, appliances and equipment*, *P31CP071: Purchase of vehicles*, *P31CP082: Telephone and telefax equipment*, *P31CP091: Audio-visual, photographic and information processing equipment*, *P31CP092: Other major durables for recreation and culture*, *P31CP093: Other recreational items and equipment, gardens and pets*, *P31CP095: Newspapers, books and stationery*.

Next, we apply the perpetual investment method (PIM) to compute the stock of capital for each asset category i . For initial stock estimates, we assume that it is at its steady state which implies that:

$$K_0^{h,i} = \frac{I_0^{h,i}}{\delta}. \quad (2.1)$$

The exception are for some high tech goods for which data do not begin with other categories. For example, most Swedish categories begin in 1970 but communications equipment data begin in 1994. We assume that data were not collected because there were few expenditures on these items prior to 1994. Goods in these categories are newer. Therefore, the stock is closer to zero than the steady state. We note when this happens below.

Then, we use the standard formula to compute the time series for $K_t^{h,i}$ in a recursive manner: $K_t^{h,i} = (1 - \delta^i)K_{t-1}^{h,i} + I_t^{h,i}$. The depreciation rate is asset-specific and constant over time. The value of δ^i is taken from the BEA and corresponds to the 1925-2012 average depreciation rate for each of the asset categories (computed as $Depreciation_t^i / Stock_t^i$). Taking the 1960-2010 average or the 1970-2005 average instead of the 1925-2012 average makes only a very small difference. The depreciation rates for the different asset classes range from 14% to 31%. The high values of δ^i guarantee that the capital stock computed via the PIM converges to the "true" stock relatively quickly. We compute the current-cost capital stock. This requires to, first, transform past investments into current-price investment. That is, to compute period- t capital, we express the investment of periods $t - 1$, $t - 2$, ... in prices of period t and, then, apply the PIM.

Finally, we compute the aggregate stock of household capital by aggregating up the individual stocks: $K^h = \sum_i K_t^{h,i}$.

2.2 Depreciation rate δ

We compute the depreciation rate of household capital by using the capital stocks for each asset category (as described above) together with the asset-specific depreciation rates. I.e. $\delta * K_t^h = \sum_i \delta^i K_t^{h,i}$. The data source is given in the previous section.

2.3 Rate of return to household capital r

If we had information on the rate of return of individual financial asset holdings, we could invoke an arbitrage argument and apply the same rate of return for household capital. We do not have this information for most countries. Therefore, we use the nominal yield on the respective country's 10-year government bonds as a proxy. The data is taken from the FRED database maintained by the St. Louis Fed.

2.4 Rate of return to time input w

For w , we use the average hourly compensation of market workers that are hired by the private-households sector. We use data from EU-KLEMS on (i) the total annual hours worked by private household workers and (ii) the total labor compensation of private household workers to compute the average hourly compensation.

2.5 Hours worked in the household L^h

See Sections 8 for a detailed description of the methodology and the data sources that we use to compute L^h .

2.6 Price index

To obtain household value added in constant prices, we deflate current-price value added by a price index that is constructed as follows. First, we use OECD data on final consumption expenditures for selected goods and services which have a close household-produced substitute. These include the following categories: *Food and non-alcoholic beverages, Clothing, Maintenance and repair of the dwelling, Goods and services for routine household maintenance, Out-patient services, Hospital services, Operation of personal transport equipment, Transport services, Restaurants and hotels, Personal care*. To compute a single price index, we divide the sum of current price expenditures by the sum of constant price expenditures (the constant-price series in NOT chained - hence we can do the summation). We use 2005 as the base year of this index.

2.7 PPP-adjustment

To make household value added comparable across countries, we PPP-adjust the constant-price value added. There is no readily available data on PPP factors for household value added, hence, we construct the following proxy. The OECD provides data on PPP factors for 2005 for a large number of detailed final expenditure categories. First, we select the PPP factors for those expenditure categories which have a close household-produced substitute. These include the following categories: *Food and non-alcoholic beverages, Clothing and footwear, Housing, water, electricity, gas and other fuels, Household furnishings, equipment and maintenance, Health, Transport, Restaurants and hotels*. Then, we construct a composite PPP factor as the expenditure-weighted average of these PPPs and, finally, we divide the constant-price value

added for each country by the PPP factor.

It is not possible to use the baseline methodology for all countries and all years. The following sections describe these deviations and the data sources.

3 Capital

Some countries do not report historical data in the current (third) edition of the COICOP codes, but do report it in the previous classifications. We use the closest indicators to backcast the COICOP 3 real and nominal series using the growth rates of indicator series.

To obtain previous period investment I_{t-1} using indicator X , we calculate:

$$I_{t-1} = \frac{X_{t-1}}{X_t} I_t \quad (3.1)$$

We iterate this calculation backwards beginning at the earliest observation of the base series.

Some countries do not report any data in three digit COICOP 3 codes. We use the closest available classifications, as described below.

3.1 Albania

2 digit COICOP from “Annual National Accounts (Expenditure Method): Gross Domestic Product Final 2012 and Semi-Final 2013” Tables 21 and 22 is broken out using “Household Budget Survey in Urban Area 1999-2000” both from INSTAT. We assume that the item share of expenditure within each 2 digit equivalent category in those years is the same as in 2000. The following gives the corresponding categories.

- Furniture: 5.1.
- Equipments: 5.3.
- Furnishing: 5.4.
- Automobile: 7.1.
- Audio-visual equipment: 9.1.

We omit 5.2, 5.5, 6.1, 9.2, 9.3 and 9.5.

Price movements are given year over year changes. We cumulate these changes into an index and deflate the nominal expenditure.

- Maintenance: 5.6
- Transportation: 7.3

3.2 Australia

Australian classification system is less comprehensive than COICOP, though closely related. We use “Furniture, floor coverings and household goods,” “Household appliances,” “Household tools,” “Medicines, medical aids and therapeutic appliances,” “Purchase of vehicles” “Goods for recreation and culture,” and “Newspapers, books and stationery.” from *Australian National Accounts: National Income, Expenditure and Product* (ABS publication 5206.0), Table 8: Household Final Consumption Expenditure (HFCE), accessed July 7, 2014.

Data are converted to calendar year from fiscal year by summing quarters.

The real data go back to 1986, except for vehicles which goes back to 1960. We use the next level up price index to backcast price indices to 1960.

- “Furnishings and household equipment” for “Furniture, floor coverings and household goods,” “Household appliances,” and “Household tools.”
- “Health” for “Medicines, medical aids and therapeutic appliances.”
- “Recreation and culture” for “Goods for recreation and culture,” and “Newspapers, books and stationery.”

For health and recreation, real data only go back to 1970. We use total “Final consumption expenditure” prices to backcast price indices to 1960.

There is a possible issue with recreation goods price index. Recreation goods prices show strong downward trend which is not shared by the services portion. Total recreation may not be good proxy. Therefore, recreation goods stocks may be underestimated.

3.3 Basque Country

Family Expenditure Statistics Tables 1 and 2, EUSTAT, reports nominal expenditure in COICOP 3. Real expenditure is nominal deflated by Spanish price indices.

http://en.eustat.eus/bancopx/english/id_3593/indiceRR.html#axzz3iWrTZswi
 Accessed August 11, 2015.

3.4 Columbia

DANE reports detailed expenditure in COICOP 2 from 1965 to 2005, available at:

<http://www.dane.gov.co/index.php/component/content/article/77-cuentas-nacionales/.../cuentas-anuales/2815-cuentas-de-produccion-gastos-de-consumo-y-formacion-de-capital.../cuentas-anuales/5155-bases-antiores>

Most categories are covered, though communications equipment is omitted and three recreational categories (COICOP 3 091-093) are aggregated into a single series. Gardening tools (055) do not begin until 1992. We use the steady state value as the initial condition. Real data for 1992 to 2005 are in 1994 prices and 1965 to 1991 in 1975 prices. The real base 1994 data are backcast using the base 1975 data.

These data are extrapolated forward to 2012 in a similar method as the backcasting using two digit COICOP 3 data.

3.5 Ecuador

The source of consumer expenditure data is "Cuentas nacional no. 25" report from the Banco Central del Ecuador, tables 42 (nominal) and 34 (real). The classification system is different, with less detail than COICOP. Below is the list of codes with the COICOP code whose depreciation rate was used in PIM.

- 031 Muebles (COICOP 051)
- 029 Maquinaria, equipo y aparatos elctricos (COICOP 053)
- 027 Vidrio, cermica y refractarios, cemento, articulos de hormign y piedra (COICOP 054)
- 030 Equipo de transporte (COICOP 071)
- 023 Pasta de papel, papel y cartn, productos editoriales y otros (COICOP 095)

3.6 Germany

1970-1979: Backcast nominal/real expenditure using "Volkswirtschaftliche Gesamtrechnungen: Private Konsumausgaben 1970-1991" Statistisches Bundesamt, 2012.

3.7 India

National Account Back Series 2011, Ministry of Statistics and Programme Implementation, Statements 8 and 9. http://mospi.nic.in/Mospi_New/upload/back_series_2011.htm

The classification accounts are based on COICOP rev 2, so are somewhat less detailed than COICOP rev 3. The following gives the corresponding COICOP codes.

- 4.1 fur. furnishing and repairs: 051
- 4.2 ref. cooking,washing appl.: 053
- 4.3 glassware,tableware and utn.: 054
- 4.4 other goods: 055
- 6.3 purchase of tpt. serv.: 071
- 7.1 eqpt., paper and stationery: 091

We omit COICOP 052, 061, 082 and 092-3,095.

3.8 Japan

The Cabinet Office publishes estimates for consumer durable stocks and expenditures. The categories are:

Data are reported using SNA93 for 1980-2009 for the categories “Furniture and floor coverings,” “Household appliances,” “Personal transport equipment,” “Information transmission equipment” and “Others.”

They are reported using SNA68 for 1970 to 1979 for categories: “Furniture, fixtures, carpets and other floor coverings;” “Heating and cooking appliances,and similar major appliances,including fittings;” “Motor cars, trailers and caravans; motorcycles and bicycles;” “Radio and television sets and gramophones”and “Photographic equipment, musical instrument, boats and other major recreational durables.”

We use the Cabinet Office stock estimate for 1969 as the initial condition.

3.9 Macedonia

The nominal expenditure are from Eurostat Table nama co3 c, July 17, 2015 release. The Macedonian State Statistical Office MKStat database reports year over year price changes.

http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=32&rbr0b1=7 We cumulate these changes into an index and deflate the nominal expenditure.

3.10 New Zealand

The New Zealand classification is less detailed than COICOP. We use the following categories from Tables SND131AA and SND134AA, “ Household Final Consumption Expenditure by item (Annual-Mar),” Nominal and chain index, 18 September 2014 release.

- Furniture, Floor Coverings and Appliances
- Textiles and Tableware
- Cars, Motor Cycles and Other Vehicles
- Communications
- Recreation and culture

“Communications” and “Recreation and culture” include both goods and services. We calculate the share of the major categories that accounted for by in scope goods using the 2010 data from the “Household Economic Survey: Year ended 30 June 2013”. We use 2.1 percent of “Communications” for both real and nominal expenditure and 13.5, 2.2, 13.9 and 10.5 percent of “Recreation and culture” respectively for COICOP codes 091-093, 095. We exclude medical spending since there are no data.

Specifically, we calculate the share of nominal expenditure of “Telecommunication equipment” in “Communication” for COICOP 082 and the share in “Selected recreation and culture goods and services” accounted for by:

091 Audio-visual equipment, Computing equipment, Recording media.

092 Major durables for outdoor recreation.

093 Musical instruments; Games, toys, and hobbies; Equipment for sport and outdoor recreation; Plants, flowers, and gardening supplies.

095 Books; Newspapers and magazines; Miscellaneous printed matter; Stationery and drawing materials.

3.11 Norway

1954-1969: Backcast nominal/real expenditure using SSB publication "National Accounts 1954-1970" tables 4 and 24.

Nominal expenditure is backcast using the previous classifications.

- Furnishing (12a)
- Textile Equipment Services and floor rugs (12h)
- Appliances (12b-g,i): Plates and cookers, Vacuum Cleaners, Electric Heaters, Washing Machines, Refrigerator and the like, Other electrical, Sewing & Knitting Machines
- Tableware (12j-n): gold, silver and pewter; Ornamental Items; porcelain, ceramics; polished and smooth glassware; Other Tableware
- Other furniture and furnishing items (12o)
- Medicine and instruments (17e)
- Purchase of Vehicles (20a)
- Telephones (28b)
- Audiovisual equipment (24a+b): Television Receiver and Radio receivers (and gramophones)
- Durables for recreation and culture (24d+e): Musical Instruments and Sports equipment, toys,
- Books and stationery (22+29c)

Real expenditure data only exist for highest level of aggregation. Use price indices of these series to backcast price indices.

- Furniture and Household articles (IV): COICOP 051-055
- Health (VI): COICOP 062.
- Transport (V): COICOP 071-073.
- Other (IX): COICOP 082.

- Leisure (VII): COICOP 091-093, 095.

Real expenditures are nominal expenditures deflated by backcast price indices. Data are rebased, so we use base 1961 data to backcast from 1970 to 1961 data and base 1955 data to backcast from 1961 to 1954.

3.12 Panama

The data are drawn from the Supply and Use Tables, 2007-2012 National Accounts, INEC, Panama.

http://www.contraloria.gob.pa/inec/Publicaciones/Publicaciones.aspx?ID_SUBCATEGORIA=26&ID_PUBLICACION=691&ID_IDIOMA=1&ID_CATEGORIA=4

We use the 2007 table, which provides more product detail (4 digit), to break out the 2008-2012 data which is only available at the 2 digit level. We assume that the 4 digit share of expenditure within each 2 digit code in those years is the same in 2007. The corresponding codes are:

- 3501: COICOP 05.1.
- 2402: COICOP 05.2.
- 3803: COICOP 05.3.
- 29: COICOP 06.1.
- 3809, 3819: COICOP 07.1.
- 3805, 3807: COICOP 09.1.
- 3503 - 3505: COICOP 09.3.
- 27: COICOP 09.5

We omit COICOP 05.4-.5, 08.2, 09.2.

The accounts report year over year price changes. We cumulate these changes into an index and deflate the nominal expenditure.

3.13 Russia

Russia does not have full 3 digit coverage of COICOP. We use COICOP 05 to stand in for COICOP 05.1-05.5 and use the depreciation rate for 05.1. We use COICOP 09 to stand in for COICOP 09.1-09.3, 09.5 and use the depreciation rate for 09.1. COICOP 06.1 and 07.1 begin in 2009. We use the 2 digit level up to backcast to 2005. We omit COICOP 08.2.

3.14 South Africa

Use South African classification system, downloaded from South African Reserve Bank database (accessed July 9, 2014). This system is less comprehensive than COICOP, though closely related. The categories are:

- Furniture, household appliances, etc (KBY6051)
- Household textiles, furnishings, glassware, etc (KBY6057)
- Medical and pharmaceutical products (KBY6065)
- Personal transport equipment (KBY6052)
- Durable goods - Recreational and entertainment goods (KBY6053)
- Semi-durable goods - Recreational and entertainment goods (KBY6059)
- Other durable goods (KBY6054)
- Computers and related equipment (KBY6075): Data begin in 1992. We assume a zero initial stock.

3.15 Spain

For 1995-1999, we use base 1995 COICOP data from INE.es to backcast 2000 OECD data. We backcast both nominal and real. Despite using the same classification system, the levels of the INE.es data are similar but different.

For 1986-1994, we use base 1986 data INE.es to backcast from the 1995 estimate above. The classifications are a good match aside for several recreation categories missing and only aggregate communications available.

- 4.1 Muebles y accesorios fijos, alfombras y otros revestimientos de suelos y reparaciones

- 4.2 Articulos textiles para el hogar, otros accesorios y reparaciones
- 4.3 Aparatos calefaccion, cocina y gran. electrodomes. incluido accesorios, instalacion y reparacion
- 4.4 Cristaleria, vajilla y utensilios de uso domestico incluidas reparaciones
- 4.5 Bienes y servicios para mantenimiento corriente de la vivienda, excepto servicio domestico
- 5.2 Aparatos y equipos terapeuticos
- 6.1 Compras de vehiculos para transporte personal
- 6.4 Comunicaciones: Used for communications equipment.
- 7.1 Articulos de esparcimiento, incluidos accesorios y reparaciones: Used for all three recreation COICOP codes (091-093)
- 7.3 Libros, periodicos, revistas

3.16 Sweden

For 1970-1979, we backcast from COICOP using base 1980 data in previous classifications, found in Central Statistics publication "Konsumtion 1970-1985," tables 1:1, 1:2. For 1963-1969, we backcast from 1970 estimate above using base 1968 data, found in Central Statistics publication "Konsumtion 1963-1974," tables N6, N7.

Categories are good match aside from not having an indicator for Gardening tools (COICOP 055). COICOP 082 (Telephones) data only begin in 1994. We exclude these items for the missing years and set the initial year at the steady state level for gardening tools and zero for telephones.

- 41000 Furniture
- 42000 HH textiles
- 43000 Appliances
- 44000 Glassware

- 52000 Medical equipment
- 61000 Personal vehicles
- 64000 Communication
- 71100 TV and radios
- 71200 Photography
- 71300 Recreation goods
- 73000 Books, magazines

3.17 Taiwan

Time series data drawn from National Statistics, Republic of China, DGBAS Matrix: NA8102

<http://statdb.dgbas.gov.tw/pxweb/dialog/statfile1L.asp>

3 digit equivalent detail is only given for 2011.

<http://eng.stat.gov.tw/public/Attachment/541795218A8RC8SAF.xls>

We assume that the item share of expenditure within each 2 digit equivalent category in those years is the same as in 2011.

- Furniture: 5.1
- Household equipment: 5.3
- Household articles other than equipment: 5.4
- Medical products, appliances and equipment: 6.1
- Purchase of vehicles: 7.1
- Telephone and telefax equipment: 8.2
- Purchase and repair of recreational items and equipment: 9.1
- Newspapers, books and stationery: 9.5

We omit COICOP 5.2, 5.5 and 9.2-.3.

3.18 UK

Eurostat reports 3 digit COICOP real data back to 1990 and nominal data back to 1970.

ONS changed deflation methods in 2011. We use the 2010 version of price deflators, which extends to 1964, to backcast the price indices and obtain real estimates of the Eurostat data. (The 2011 method was only estimated back to 1997.)

Original data in "UK HHFCE 2010 Consistent Prices.xlsx"

3.19 Uruguay

The source data come from the supply-use tables from the Banco Central del Uruguay. They report final consumption expenditures of households by supply category. The 2005 base year real data (covering 2005 to 2012) are backcast using the 1997 base year data (covering 1997 to 2005).

Base year 2005:

http://www.bcu.gub.uy/Estadisticas-e-Indicadores/Cuentas\%20Nacionales/COU_05_08/PRESENTACION05_COUanualesprod.HTM

Base year 1997:

http://www.bcu.gub.uy/Estadisticas-e-Indicadores/Cuentas\%20Nacionales/COU_97_05/PRESENTACION97_COUpred.HTM

The classification system is different, with less detail than COICOP. Below is the list of codes with the COICOP code whose depreciation rate was used in PIM.

- D.UUTT Muebles; productos de industrias manufactureras n.c.p.; reciclamiento (COICOP 051)
- D.RRTT Metales comunes, productos elaborados de metal, maquinaria especial y de uso general; maquinaria de oficina, contabilidad e informatica; aparatos electricos, de radio, television y comunicaciones; partes y piezas (COICOP 053)
- D.24ST Productos farmaceuticos, sustancias quimicas medicinales y productos botinicos, de uso humano y animal (COICOP 061)
- D.SSTT Vehiculos automotores, remolques y semirremolques y otros tipos de equipo de transporte (COICOP 071)
- D.22TT Diarios, revistas y publicaciones periodicas; impresiones en general y reproduccion de grabaciones (COICOP 095)

4 Price Indices

These data use the same sources as the capital data. The methods are very similar to what is described above.

4.1 Albania

Sources and methods are the same as for capital. The corresponding categories are:

- Maintenance: 5.6
- Transportation: 7.3
- Personal care: 12.1

We omit 4.3, 6.2 and 7.2.

Data begin in 2008. We extend it back to 2005 using the price deflator for Final Consumption Expenditure of Households, “Annual National Accounts (Expenditure Method): Gross Domestic Product Final 2012 and Semi-Final 2013” Table 18.

4.2 Australia

As with durable goods expenditures, the Australian classification does not match COICOP. The codes we use are:

- Food
- Clothing and footwear
- Household tools
- Total health services
- Operation of vehicles
- Transport services
- Hotels, cafes and restaurants
- Other services

There are no home maintenance data. We use "Household Tools" nominal expenditure and create a real expenditure using the "Housing, water, electricity, gas and other fuels" price index.

There are no real "Health Services" data. We create real expenditure using "Health" price index (back to 1970), extended with total consumption PI (1960-1969).

Real "Operation of Vehicles" data only go back to 1970. We backcast the price index using the "Transport Services" price indices to create real series back to 1960.

There is no "Personal services." We use nominal "Other Services" and create real series using total consumption PI.

4.3 Basque Country

Same source and methods as capital data.

4.4 Columbia

Since three digit data end in 2005, we use next up two digit COICOP 3 data.

4.5 Ecuador

The data sources are the same as for capital. The codes used are:

Food and beverages 010-019.

Clothing 021

Health and personal services 043

Restaurants and Hotels 036

Transportation services 037

4.6 India

National Account Back Series 2011, Ministry of Statistics and Programme Implementation, Statements 8 and 9. http://mospi.nic.in/Mospi_New/upload/back_series_2011.htm

The code we use are:

- 1.1 food

- 1.2.1 (non-alcoholic) beverages
- 2.1 clothing
- 4.5 (household) services
- 5 medical care and health services
- 6.2 operation of tpt. eqpts.
- 6.3 purchase of tpt. serv.
- 1.4 hotels and restaurants
- 8.1 personal care and effect

4.7 Japan

Japan only has consumption data at the 2 digit COICOP level. We use the 2 digit code that includes the required 3 digit code. (e.g. we use 03 when 031 is needed.)

1994-2012 2 digit COICOP version 3 from OECD.

1970-1993 2 digit COICOP version 2 from Historical Statistics of Japan, Table 3-2.

We integrate the two by rebasing to 1994 and rebase the composite series to 2005 to match rest of data.

4.8 Macedonia

The same method as with capital is used to deflate nominal expenditures.

4.9 New Zealand

The categories used are:

- Food and nonalcoholic beverage.
- Clothing and footwear.
- Transport.
- Restaurants and hotels.

4.10 Norway

Eurostat, Table nama co3 c, Oct. 24, 2014 release.

4.11 Panama

The details are similar to the capital data. The codes used are:

- 18-21, 2204: Food and non-alcoholic beverage.
- 2403: Clothing.
- 4602: Maintenance and repair of the dwelling.
- 5801, 5802: Medical services.
- 43: Transportation services.
- 42: Hotels/restaurants.

We omit personal services.

Since the data begin in 2007, we extend it to 2005 using the final consumption expenditures of households price index (1996 prices)

http://www.contraloria.gob.pa/INEC/Avance/Avance.aspx?ID_CATEGORIA=2&ID_CIFRAS=11&ID_IDIOMA=1 Cuadro 342-04.

Panama was not part of the 2005 ICP, so we use the estimated PPP for private consumption from “Estimation of PPPs for non-benchmark economies for the 2005 ICP round.”

<http://siteresources.worldbank.org/ICPINT/Resources/non-benchmark.pdf>

4.12 Poland

Eurostat, Table nama co3 c, Sep. 23, 2014 release.

4.13 Russia

Russia does not have full 3 digit coverage of COICOP. COICOP 062, 072 and 073 begin in 2009. We use the 2 digit level up to backcast to 2005. We omit COICOP 063 and 121.

4.14 South Africa

We use the following categories from the South African classification system.

- Food, beverage, tobacco
- Clothing
- Household services, including servants
- Medical Services
- Transport
- Hotels, cafes, restaurants

4.15 Spain

Output prices have a good match aside from home maintenance categories (043 and 056) which are backcast by "Goods and services for maintaining dwelling."

4.16 Sweden

OECD data extend back to 1980. These data are extended back to 1963 using the same sources as in durables expenditures.

4.17 Taiwan

The codes used are:

- Food and non-alcoholic beverages: 1.1
- Clothing and footwear: 3.1
- Domestic and household services: 5.6
- Medical products and services: 6.2
- Other transport services n.e.c.: 7.2
- Restaurants and hotels:

- Personal grooming products and services: 12.1

We omit COICOP 4.3, 7.3, and 8.3.

4.18 UK

We obtain prices in the manner described in the capital documentation.

4.19 Uruguay

The data sources are the same as for capital. The codes used are:

Food and beverages D.1511, D.151R, D.1520, D.153T, D.154R, D.154S, D.155T.

Clothing D.18TT

Health and personal services N.85TT

Restaurants and Hotels H.55TT

Transportation services I.60TT

5 Value of Unpaid Hours

5.1 Albania

“Other Services” (NACE 2 industry S) hourly wage from *Labor Cost Survey 2013* backcast using monthly labor earnings for “Services,” from “Average monthly wage and salary per employee (public and private sector), 2000-2013.”

<http://www.instat.gov.al/en/themes/wages-and-labour-cost.aspx> accessed August 10, 2015.

5.2 Australia

The ABS Employee Earnings and Hours (Cat. No. 6306) survey reports occupational wages intermittently and includes housekeepers (1993-4) and cleaners (1996-2006). These wages match up well with EU KLEMS Retail trade wages (Industry 52, 2009 edition). Earnings are for full time adult non-managerial employees, including overtime payments and hours.

5.3 Basque Country

EUSTAT. Economic accounts, tables PIBb and PIBc. Ratio of compensation of employees and hours worked for “Household activities” (industry 37).

http://en.eustat.eus/bankupx/pxweb/en/english/-/PX_3426_pib01c.px#axzz3iWrTZswi
Accessed August 11, 2015.

5.4 Colombia

Generalist wage taken from “CUENTA SATELLITE DE LA ECONOMIA DEL Cuidado Fase 1: valor economica del trabajo domestico y de cuidados no remunerado” Departamento Administrativo Nacional de Estadística.

5.5 Ecuador

Source: SEDLAC (CEDLAS and The World Bank)

<http://sedlac.econo.unlp.edu.ar/eng/statistics-detalle.php?idE=38>
Table 4, Hourly wage in main activity for Domestic servants

5.6 Estonia

There are no Estonian data for private household wages. However, Lithuania and Latvia do have data for this sector. It appears that Other Services (Industry 93) from EU KLEMS is a good proxy. These wages are similar to both the level of private HH in the other Baltic countries and Other Service wages are similar across these countries. Private household wages are very erratic, which may have to do with integer errors. The sector is very small and compensation is listed in millions of currency.

5.7 India

Daily wage for urban employees of private households, divided by 8. Ministry of Statistics and Programme Implementation NSS Report no. 458 Table 67. We use the 1999-2000 wage for 1998.

5.8 Japan

We use female part time scheduled wage, Historical Statistics of Japan Table 19-43a. 1983 wage from “Results of the 1983 basic statistical survey on the wage structure” Ministry of Labor, May 1984. 1974 to 1982, backcast using female part time wages in manufacturing, Statistical Yearbook of Japan.

Private households are out of scope in the Japanese data. There have been one off surveys of home helpers in the past and it has been added as an official occupation recently. Recent satellite account estimates from the Cabinet Office use this wage as the basis for its generalist wage in its satellite accounts. (Susumu Kuwahara ”A Note on Monetary Valuation of Unpaid Work in Japan” OECD Working Paper STD/CSTAT/WPNA(2010)17.) The female part time wage is a close proxy for the wages used in Japan’s satellite accounts. The Net National Welfare commission used this wage in its estimates for 1955 to 1970.

The Cabinet Office wages for 1981-1991 are not directly reported. I back it out using: $(\text{value of HH hours}) / (\text{male daily hours} * 365 * 15 + \text{population} + \text{female Daily hours} * 365 * 15 + \text{population})$. The population data come from the historical statistics Table 19.4. The remaining data from Masahito Fukami 1998 ”Monetary Valuation of Unpaid Work in 1996 Japan,” Economic Planning Agency Note.

5.9 Macedonia

Basic data come from ILOSTAT, which reports average monthly wages for employees of private households (ISIC-Rev.3 industry P) for 2010. We divide this by 4 times average weekly hours of these workers (ISIC-Rev.4 industry T) for 2011.

5.10 Mexico

OECD STAN database reports Total Compensation (1988-2009) and Employees (1995-2008) for Private Households (Industry C95), accessed 10/22/14.

ILOSTAT has average weekly hours for Private Households (1991-2004), Table 4A, Industry P Households with Employed Persons (ISIC rev. 3), accessed 10/23/14.

The hourly wage is $\text{compensation/employee}/(52 * \text{weekly hours})$.

5.11 New Zealand

Statistic New Zealand's Linked Employer-Employee Data 2012 reports quarterly mean earnings for "Private Households Employing Staff" from 2006Q4 to 2011Q3. We calculate weekly average as the annual quarterly average/12 (weeks per quarter). Accessed 10/22/14.

ILOSTAT has average weekly hours for Private Households , Table 4A, Industry P Households with Employed Persons (ISIC rev. 3) for 1997-2008; Industry T (ISIC rev. 4) for 2009-2013. Accessed 10/23/14.

The hourly wage is weekly compensation/weekly hours.

5.12 Panama

Source: SEDLAC (CEDLAS and The World Bank)

<http://sedlac.econo.unlp.edu.ar/eng/statistics-detalle.php?idE=38>

Table 4, Hourly wage in main activity for Domestic servants

5.13 Russia

EU KLEMS wage for "Other Community, Social and Personal Services" (Industry O).

5.14 South Africa

2000 Budlender & Brathaug (2004), Table 10.

2010 Hourly wage: Median monthly wage of domestic workers, Table E, *Monthly Earnings of South Africans 2010* divided by mean hours worked per week in 2011Q2 times 4, Table 6, Development Policy Research Unit (2012).

5.15 Taiwan

Ratio of monthly earnings and monthly hours, "Other personal service activities NEC" National Statistics ROC. <http://win.dgbas.gov.tw/dgbas04/bc5/earning/ht456e.asp>

5.16 Slovenia

Eurostat, National Accounts by 64 branches - employment data [nama nace64 e], April 13, 2015 release.

5.17 Sweden

2009 EU KLEMS Private Households only covers 1994-2007. We backcast using Other Services (93). We fill in up to 2009 using OECD STAN data for Industry C95 (accessed 1/29/15).

5.18 UK

2000-2010 Annual Survey of Hours and Earnings (ASHE) mean wage for Industry T (Households) Table 16.5a Hourly pay - Gross () - For all employee jobs.

1970-1999 Backcast using Industry S (Other Services) wage from 2012 EU KLEMS. As validation, we use occupational data from New Earnings Survey, which covers 1970-1997. This survey reports full-time adult hourly earnings by occupation by sex (New Earnings Survey, Part D, Tables 86 and 87). Though occupational classifications change over time, there is significant coverage for "Home and domestics helpers, maids" for women and "Caretaker" for men. This backcast is very similar in level and trend for these series. We conclude that this backcast is a reasonable proxy for UK domestic worker wages.

5.19 United States

EU KLEMS 2008 data end in 2005. We extrapolate using compensation per FTE, D97T98 Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use [T], OECD STAN database, ISIC rev. 4. Accessed August 10, 2015.

5.20 Uruguay

Source: SEDLAC (CEDLAS and The World Bank)

<http://sedlac.econo.unlp.edu.ar/eng/statistics-detalle.php?idE=38>

Table 4, Hourly wage in main activity for Domestic servants

6 Rate of Return

6.1 Albania

Ten year government rate, from Candidate countries and potential candidates: exchange rates and interest rates, October 16, 2014 release.

6.2 Basque Country

We use Spanish rate of return.

6.3 Ecuador

Discount rate, International Financial Statistics (IFS). Data extracted from IMF Data warehouse July 30, 2015.

6.4 India

Interest rate on central government dated securities, annual average. Reserve Bank of India, Handbook of Statistics on the Indian Economy, Table 119.

<http://dbie.rbi.org.in/DBIE/dbie.rbi?site=publications> accessed July 28, 2015.

6.5 Japan

FRED data extend to 1989. Pre-1989 data: “Government Bonds Yield to Subscribers (10 years)” Historical Statistics of Japan, Table 14-1.

6.6 Korea

Government bond yield, IFS.

6.7 Macedonia

Lending Rate, Foreign Currency, IFS. Accessed July 30, 2015.

6.8 Panama

Lending rate, IFS Database. Accessed August 4, 2015.

6.9 Slovenia

We backcast the FRED 10 year rate from 2003 using the 60 day SIT bill rate from the Central Bank of Slovenia database, Table 2.1

<https://www.bsi.si/en/financial-data-r.asp?MapaId=982#14091> Accessed July 28, 2015.

6.10 Taiwan

Data drawn from Central Bank of the Republic of China, "Selected Interest Rates."

<http://www.cbc.gov.tw/ct.asp?xItem=1876&ctNode=511&mp=2>

Annual average of "10-Year Gov't Bond Rates in Secondary Market." Backcast from 1995 with "Average of 31-90 Days CP Rates in Secondary Market."

6.11 Uruguay

Interest Rates, Government Securities, Treasury Bills, IFS. Accessed July 30, 2015.

7 Methodology Summary

Key to methodology codes:

- a** Baseline data/classifications.
- b** Baseline concept, alternative source/classifications.
- c** Use baseline detail from single year to extrapolate data with indicator series.
- d** Use stand-in concept.
- e** Lag year price changes converted to index.

Table 1: Summary of Methodology

| Country | Consumer Durables | Wage | Rate of Return |
|----------------|----------------------------|--------------------------|-----------------------|
| Albania | c. 2000 | d. Other Services | a. |
| Australia | b. National classification | b. National labor survey | a. |
| Austria | a. | a. | a. |
| Basque Country | b. Spanish deflators | a. | b. Spanish rate |
| Canada | a. | a. | a. |
| Colombia | b. National classification | b. National labor survey | a. |
| Denmark | a. | a. | a. |
| Ecuador | b. Use table | b. World Bank | d. Discount |
| Estonia | a. | b. Other services | a. |
| Finland | a. | a. | a. |
| France | a. | a. | a. |
| Germany | a. | a. | a. |
| Hungary | a. | a. | a. |
| India | b. National classification | b. National labor survey | a. |
| Italy | a. | a. | a. |
| Japan | b. National classification | b. Female part time | a. |
| Korea | a. | a. | a. |
| Macedonia | e. | b. ILO | d. Bank |
| Mexico | a. | b. ILO | a. |
| Netherlands | a. | a. | a. |
| New Zealand | c. 2012 | b. National labor survey | a. |
| Norway | a. | a. | a. |
| Panama | c. 2007 | b. World Bank | d. Bank |
| Poland | a. | a. | a. |
| Russia | b. Less detailed COICOP | d. Other services | a. |
| Slovenia | a. | a. | a. |
| South Africa | b. National classification | b. National labor survey | a. |
| Spain | a. | a. | a. |
| Sweden | a. | a. | a. |
| Taiwan | c. 2011 | d. Other services | a. |
| UK | a. | b. National labor survey | a. |
| USA | a. | a. | a. |
| Uruguay | b. Use table | b. World Bank | d. Bills |

8 Time use

In this section, we list all the countries for which we have information on household production time. For each country, we report (i) the year for which the time use information is available, (ii) whether or not we use microdata to compute household production time, (iii) the data source, (iv) [for the web-sources] the access date and (v) how we aggregate the time use activities to obtain total household production time and total market production time. The years with a * are those for which we use individual-level time use data to compute the home production time. For the years without a *, we do not have access to micro data and we use instead pre-aggregated data that is obtained from the source listed in the respective entry.

Section 9, describes how we aggregate the time use information at the individual level to obtain the average weekly hours of household production. Finally, Sections 10 and 11 explain how we interpolate and extrapolate the existing data points to obtain an annual time series for hours of household work.

8.1 Albania

- **Year:** 2010
- **Source:** Republic of Albania, Institute of Statistics: *Time Use Survey, 2010-2011*
- **Available at:** www.instat.gov.al/media/171100/albanian_time_use_survey_2010-2011.pdf
- **Accessed:** 10/2/2014.
- **Household work activities:** Sleeping; Eating; Personal hygiene; Food preparation, dish washing; Cleaning and other upkeep; Laundry, ironing, handicrafts and prod. textiles; Gardening, construction and repairs; Shopping and services; Child care; Adult care; Other unpaid work; Travel related to unpaid work
- **Market work activities:** Paid work; Travel to/from work

8.2 Algeria

- **Year:** 2012
- **Source:** Office National des Statistiques: *Enquete sur l'emploi du temps enet Algerie 2012*

- **Available at:** www.ons.dz/IMG/pdf/RAPPORT_ENET_2012_FRAN_2_.pdf
- **Accessed:** 9/15/2014.
- **Household work activities:** Jardinage; Cuisine; Autres travaux ménagers; Aider un membre du ménage dans son travail; Courses et gestion du ménage; Bricolage; Soins des animaux de compagnie; Autres activités domestiques; Soins des enfants; Education des enfants; Soins aux adultes du ménage; Soins aux personnes d'autres ménages
- **Market work activities:** Travail au sens du B.I.T

8.3 Australia

- **Year:** 1974*
- **Source:** Australian Data Archive: *Australians' Use of Time, Albury-Wodonga and Melbourne, 1974.*
- **Household work activities:** Care given to adults; Preparation and cooking of food; Washing up and putting away dishes, etc.; Indoor Cleaning (bedmaking, sweeping, dusting etc.); Outdoor cleaning (disposal of garbage, sweeping paths, etc.); Laundry/ironing; Repair and upkeep of clothes, shoes, etc.; Other repairs and home maintenance; Gardening; Animal care; Other domestic activities (including dealing with bills, papers, etc.); Care of babies; Care of older children; Supervision of schoolwork/homework; Conversations with/reading stories to children (other than school texts); Indoor games; Outdoor games and walks; Medical care (visiting doctor, dentist or other activities relating to children's health); Travelling to accompany children (including waiting for transport); Other activities involving care of children; Purchasing or everyday consumer goods and products (perishables); Purchasing of durable consumer goods; Personal medical care at home; Personal care outside home (hairdresser); Medical/dental care outside home; Office and administrative services (post office, bank, etc.); Repair, maintenance and other services (gas, electricity, laundromat, plumbers, etc.); Waiting or queueing for the purchase of goods or services; Travel connected to above (including waiting for transport); Other purchasing activities
- **Market work activities:** Normal work outside home; Normal work at home or brought home; Overtime; Any waiting or interruption during work (machine breakdown, supply shortages etc.); Travel during work (travel involved with job but other than 10 above); Regular breaks and prescribed non working periods during work; Time spent at work

place before starting or after finishing work; Travel to and from work place (including waiting for transport); Undeclared auxiliary work etc. (including second job)

- **Year:** 1992
- **Source:** Australian Bureau of Statistics: *How Australians Use Their Time, 1992*.
- **Available at:**
[www.ausstats.abs.gov.au/ausstats/free.nsf/0/20B53461F3AA25F2CA25722500049576/\\$File/41530_1992.pdf](http://www.ausstats.abs.gov.au/ausstats/free.nsf/0/20B53461F3AA25F2CA25722500049576/$File/41530_1992.pdf).
- **Accessed:** 9/9/2014.
- **Household work activities:** Domestic activities: Food and drink preparation/cleanup; Laundry and clothes care; Housework; Grounds and animal care; Home maintenance; Household management; Associated travel; Other / Child care: Care of children; Teaching/helping/reprimanding; Playing/reading/talking with child; Minding child; Visiting child care establishment/school; Associated travel; Other / Personal care: Health care / Purchasing goods and services: Purchasing goods; Purchasing services; Associated travel; Other
- **Market work activities:** Employment related: Main job; Other job; Unpaid work in a family business or farm; Work breaks; Associated travel; Other

- **Year:** 1997
- **Source:** Australian Bureau of Statistics: *How Australians Use Their Time, 1997*.
- **Available at:**
[www.ausstats.abs.gov.au/Ausstats/subscriber.nsf/0/CA25687100069892CA256889001D5545/\\$File/41530_1997.pdf](http://www.ausstats.abs.gov.au/Ausstats/subscriber.nsf/0/CA25687100069892CA256889001D5545/$File/41530_1997.pdf).
- **Accessed:** 9/9/2014.
- **Household work activities:** same as in 1992
- **Market work activities:** same as in 1992

- **Year:** 2006

- **Source:** Australian Bureau of Statistics: *How Australians Use Their Time, 2006*.
- **Available at:** www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/4153.02006?OpenDocument.
- **Accessed:** 9/9/2014.
- **Household work activities:** Domestic activities: Food and drink preparation/cleanup; Laundry and clothes care; Other housework; Grounds and animal care; Home maintenance; Household management; Associated travel; Other / Personal care: Health care / Child care: Care of children; Teaching, helping, reprimanding children; Playing, reading, talking with child; Minding child; Visiting child care establishment/school; Associated travel; Other / Purchasing goods and services: Purchasing goods; Purchasing services; Associated travel; Other
- **Market work activities:** Employment related: Main job; Other job; Unpaid work in family business or farm; Work breaks; Associated travel; Other

8.4 Austria

- **Year:** 1981, 1992
- **Source:** Österreichisches Statistisches Zentralamt: *Zeitverwendung 1992/1981*.
- **Available at:** http://www.statistik.at/web_de/static/zeitverwendung_19921981_-_ergebnisse_des_mikrozensus__069150.pdf
- **Accessed:** 8/21/2014.
- **Household work activities:** Handwerkliche Tätigkeiten; Gartenarbeiten; Kochen; Andere Haushaltsarbeiten; Einkaufen; Andere Besorgungen; Betreuung Kranker; Eltern: Kinderbetreuung; Eltern: Lernen m. Kindern; Eltern: Spielen m. Kindern; Kinderbetreuung d. and. Pers.; Weg f. Haushalt und Kinder.
- **Market work activities:** Hauptbeschäftigung (ausser Haus); Hauptbeschäftigung (daheim); Weg zur Haupt-beschäftigung; Nebenbeschäftigung (ausser Haus); Neben-beschäftigung (daheim); Weg zur Neben-beschäftigung.
- **Year:** 2008*
- **Source:** STATISTIK AUSTRIA: *Zeitverwendungserhebung 2008/09*, (erstellt im Auftrag der Bundesministerin für Frauen und Öffentlichen Dienst).

- Household work activities:** Kochen, Essen vorbereiten, wärmen, servieren; Backen; Konservieren von Nahrungsmitteln; Geschirr abwaschen; Küchenarbeiten o.n.A.; Aufräumen, reinigen; Fenster putzen; Müllentsorgung; Tätigkeiten in Zusammenhang mit Wasser und Heizung; Reinigung der Wohnung/des Hauses o.w.A.; Gehsteig-, Hof-, Terrassenreinigung; Aufräumen/Reinigen in Nebenräumen; Sonstige Tätigkeiten im Haushalt; Reinigung von Wohnung oder Haus o.n.A.; Wäsche waschen; Wäsche bügeln; Wäschepflege o.n.A.; Schneiden, nähen; Sonstige Handarbeiten; Handarbeiten o.n.A.; Instandsetzen von Bekleidung/Wäsche; Schuhe putzen; Reinigung und Instandhaltung von Wäsche/Kleidung o.n.A.; Gartenarbeiten; Versorgung von Pflanzen in der Wohnung; Versorgung von Blumen und Pflanzen o.n.A.; Fütterung und Pflege von "Nutztieren"; Fütterung und Pflege von Haustieren; Mit dem Hund spazieren gehen; Fütterung und Pflege von Tieren o.n.A.; Hausbau, Planungs-, Abbrucharbeiten; Haus- Wohnungsumbau; Hausbau, Haus-, Wohnungsumbau o.n.A.; Instandhaltungsarbeiten in der Wohnung/im Haus; Möbel bauen oder reparieren; Kleinere Reparaturen im Haushalt; (Wohnungs-)Instandhaltungsarbeiten o.n.A.; Fahrzeugpflege (in Eigenarbeit); Fahrzeugreparatur (in Eigenarbeit); Fahrzeugerhaltung (in Eigenarbeit) o.n.A.; Einkaufen von Verbrauchs- und "kleineren" Gebrauchsgütern; Einkaufen von größeren Gebrauchsgütern ("längere Entscheidungsfrist"); Einkaufen o.n.A.; Behördenwege, Bank-, Postdienstleistungen; Dienstleistungen rund ums Auto; Sonstige allg. Dienstleistungen; Medizinische Dienstleistungen; Dienstleistungen im Körperpflegebereich; Dienstleistungen im Wellnessbereich; Inanspruchnahme von Dienstleistungen o.n.A.; Planungsarbeiten im Haushalt; Sonstige Managementarbeiten im Haushalt; Haushaltsmanagement o.n.A.; Hausarbeit o.n.A.; Weg HH, Garten zu Fuß; Weg HH, Garten mit Fahrrad; Weg HH, Garten mit Auto, Motorrad, Moped; Weg HH, Garten mit öffentl. Verkehrsm.; Weg HH, Garten o.w.A.; Weg Einakufen zu Fuß; Weg Einkaufen mit Fahrrad; Weg Einkaufen mit Auto, Motorrad, Moped; Weg Einkaufen mit öffentl. Verkehrsm.; Weg Einkaufen o.w.A.; Körperpflege des Kindes; Füttern, stillen; Mit dem Kind kuscheln; Medizinische Versorgung des Kindes zu Hause; Beaufsichtigen des Kindes; Baby-/Kindversorgung o.n.A.; Lernen mit dem Kind (für Schule); Dem Kind etwas beibringen; Sprechen mit dem Kind; Dem Kind vorlesen, Geschichten erzählen; Spielen mit dem Kind; Spazieren gehen mit dem Kind, Spielplatz besuchen; Begleitung des Kindes bei Arzt, Spital, Therapie; Begleitung des Kindes bei schulischen Aktivitäten; Begleitung des Kindes bei Freizeitaktivitäten; Elternversammlungen besuchen; Sonstige Termine/Erledigungen für das Kind; Kinderbetreuung o.n.A.; Medizinische Versorgung von Erwachsenen; Sonstige Versorgung von "gesunden" Erwachsenen; Sonstige Versorgung von kranken oder pflegebedürftigen

Erwachsenen; Sonstige Versorgung von Erwachsenen o. nähere Angabe; Begleitung von erwachsenen (hilfebedürftigen) Haushaltsmitgliedern; Betreuung, Pflege von erwachsenen Haushaltsmitgliedern o.n.A.; Nicht-tägliche Körperpflege; Persönliche medizinische Versorgung; Persönliche Tätigkeiten o.n.A.; Weg persönlich zu Fuß;Weg persönlich mit Fahrrad; Weg persönlich mit Auto, Motorrad, Moped; Weg persönlich mit öffentl. Verkehrsm.; Weg persönlich o.w.A.; Formelle Freiwilligenarbeit im Sozialbereich; Formelle Freiwilligenarbeit im Bereich Kunst, Kultur, Unterhaltung; Formelle Freiwilligenarbeit im Sportbereich; Formelle Freiwilligenarbeit im politischen Bereich; Formelle Freiwilligenarbeit im religiösen Bereich; Sonstige formelle Freiwilligenarbeit; Informelle Hilfe bei Haushalt und Garten; Informelle Hilfe bei Bauen, Reparieren und Heimwerken; Informelle Hilfe bei Kinderbetreuung; Informelle Hilfe bei Kranken- und Altenpflege; Sonstige informelle Hilfe; Weg Betreuung v Kindern zu Fuß;Weg Betreuung v Kindern mit Fahrrad; Weg Betreuung v Kindern mit Auto, Motorrad, Moped; Weg Betreuung v Kindern mit öffentl. Verkehrsm.; Weg Betreuung v Kindern o.w.A.; Weg Betreuung Erwachsene zu Fuß;Weg Betreuung Erwachsene mit Fahrrad; Weg Betreuung Erwachsene mit Auto, Motorrad, Moped; Weg Betreuung Erwachsene mit öffentl. Verkehrsm.; Weg Betreuung Erwachsene o.w.A.; Weg ohne Tätigkeit zu Fuß;Weg ohne Tätigkeit mit Fahrrad; Weg ohne Tätigkeit mit Auto, Motorrad, Moped; Weg ohne Tätigkeit mit öffentl. Verkehrsm.; Weg ohne Tätigkeit o.w.A.

- **Market work activities:** Ausübung des Hauptberufs; Überstunden im Hauptberuf; Vortrag, Seminar; Hauptberufliche Tätigkeit o.n.A.; Offizielle Nebenbeschäftigung; Informelle Nebenbeschäftigung; Nebenberufliche Tätigkeit o.n.A.; Unbezahlte Arbeiten für den eigenen Erwerbsbereich; Mit der Erwerbstätigkeit eines anderen verbundene, unbezahlte Zeit; Sonstige Tätigkeiten bez. Beruf o.n.A.; Berufliche Tätigkeit o.n.A.; Weg Hauptbesch. zu Fuß;Weg Hauptbesch. mit Fahrrad; Weg Hauptbesch. mit Auto, Motorrad, Moped; Weg Hauptbesch. mit öffentl. Verkehrsm.; Weg Hauptbesch. o.w.A.; Weg Nebenbesch. zu Fuß;Weg Nebenbesch. mit Fahrrad; Weg Nebenbesch. mit Auto, Motorrad, Moped; Weg Nebenbesch. mit öffentl. Verkehrsm.; Weg Nebenbesch. o.w.A.

8.5 Bangladesh

- **Year:** 2012*
- **Source:** Bangladesh Bureau of Statistics: *Time Use Pilot Survey 2012*

- Household work activities:** Growing of crops and trees; kitchen gardening; Farming of animals; production of animal products; animal husbandry services; Hunting, trapping and production of animal skins; Gathering of wild products, woodcutting, gathering firewood and other forestry activities; Fishing and fish/aquatic farming; Mining and quarrying; Collecting water; Training and studies in relation to work in primary production activities of households; Purchasing/acquiring inputs/supplies used for primary production activities of households; Selling/disposing of outputs of primary production activities of households; Looking for work in primary production activities in household enterprise; Looking for/setting up business in primary production activities in household enterprise; Travel related to primary production activities of households; Work for households in primary production activities n.e.c.; Processing of food products; Making of other food products and beverages; Making textiles, wearing apparel, leather and associated products; Craft-making using all types of materials; Tobacco preparing and curing; Making bricks, concrete slabs, hollow blocks, tiles etc.; Making herbal and medicinal preparations; Training and studies in relation to work in non-primary production activities of households; Purchasing/acquiring inputs/supplies used for non-primary production activities for households; Selling/disposing of outputs of non-primary production activities of households; Looking for work in non-primary production activities in household enterprise; Looking for/setting up business in non-primary production activities in household enterprise; Travel related to non-primary production of household; Work for household in non-primary production activities n.e.c.; Construction and repair for own capital formation; Construction and repair of buildings, roads, dams and other structures; Community-organized construction and major repairs of roads, buildings, bridges, dams etc.; Training and studies in relation to work in construction activities in household enterprise; Purchasing/acquiring inputs/supplies for construction activities for household production; Looking for work in construction activities in household enterprise; Looking for/setting up business in construction activities as household enterprise; Travel related to construction activities of households; Work for household in construction activities n.e.c.; Preparing and selling food and beverage; Petty trading, door-to-door vending, street vending, hawking; Fitting, installing, tool setting, maintaining and repairing tools and machinery; Repair of vehicles; Repair of personal goods; Repair of household goods; Renting out rooms, sleeping space and associated work; Lending and collecting money; foreign exchange; Typing, word-processing, programming, encoding; Accounting, bookkeeping, legal and related services; Tutoring; Provision of medical and dental services; Provision of

nursing/therapy services; Provision of personal care services; Provision of non-professional health-care; Transporting goods; Transporting passengers; Providing paid domestic services; Training and studies related to work in service activities; Looking for work in service activities in service activities in household enterprise; Travel related to providing services for income; Work for household providing services for income n.e.c.; Food management; Cleaning and upkeep of dwelling and surroundings; Do-it-yourself decoration, maintenance and small repairs; Care of textiles and footwear; Household management; Pet care; Shopping for/purchasing of goods and related activities; Shopping for/availing of services and related activities; Travel related to provision of unpaid domestic services; Unpaid domestic services n.e.c.; Caring for children/physical care; Teaching, training, helping children; Accompanying children to places; Minding children (passive care); Caring for adults/physical care; Caring for adults/emotional support; Accompanying adults to places; Travel related to unpaid caregiving services to household members; Providing unpaid caregiving services to household members n.e.c.

- **Market work activities:** Working time in main job; Working time in other jobs; Working time as apprentice, intern and related positions; Short breaks and interruptions from work; Training and studies in relation to work in the formal sector; Idle time before/after work; Lunch break from work; Looking for work in the formal sector; Looking for/setting up business in the formal sector; Travel related to work in the formal sector; Work in the formal sector

8.6 Basque Country

- **Year:** 1992*, 1997*, 2002*, 2008*
- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care

- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

8.7 Canada

- **Year:** 1971*, 1981*
- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care
- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

- **Year:** 1986*
- **Source:** Statistics Canada: *General Social Survey, Cycle 2*. This analysis is based on the Statistics Canada *General Social Survey, Time Use Cycle 2*. **Reference Year:** 1986. All computations, use and interpretation of these data are entirely that of Georg Duernecker.
- **Household work activities:** Meal Preparation; Meal Clean-up (Dishes/Clearing Table); Indoor Cleaning (Dusting/Vacuuming); Outdoor Cleaning (Sidewalks/Garbage); Laundry, Ironing, Folding; Mending; Home Repairs, Maintenance; Gardening, Pet Care; Other Uncodeable Housework (Bills); Travel: Domestic; Baby Care; Child Care; Helping Teaching, Reprimanding Children; Reading, Talking, Conversation with Children; Play with Children; Medical Care - Child; Other Child Care (Unpaid Babysitting); Travel:

Child Care; Everyday Shopping (Food, Clothing, Gas); Shopping for Durable Household Goods (House, Car; Government and Financial Services; Adult Medical & Dental Care (Outside Home)); Repair Services (Cleaning, Auto, Appliance); Waiting, Queuing for Purchase; Other Uncodeable Services; Travel: Goods or Services; Adult Medical Care (At Home); Help and Personal Care to Adults

- **Market work activities:** Work for Pay; Extra to Work/Overtime/looking for Work; Travel During Work; Waiting, Delays at Work; Idle Time Before or After Work; Uncodeable Work Activities; Travel: To-From Work

- **Year:** 1992*

- **Source:** Statistics Canada: *General Social Survey, Cycle 7*. This analysis is based on the Statistics Canada *General Social Survey, Time Use Cycle 7*. **Reference Year:** 1992. All computations, use and interpretation of these data are entirely that of Georg Duernecker.

- **Household work activities:** Meal Preparation; Baking, Preserving Food, Home Brewing, etc.; Food (or Meal) Cleanup; Indoor Cleaning; Outdoor Cleaning; Laundry, Ironing, Folding, Drying; Mending/Shoe Care; Dressmaking and Sewing; Interior Maintenance and Repair; Exterior Maintenance and Repair; Vehicle Maintenance; Other Home Improvements; Gardening/Grounds Maintenance; Pet Care; Care of House Plants; Household Management, e.g. Organizing and Planning Activities, Paying Bills, etc.; Stacking and Cutting Firewood; Other Domestic/Household Work; UNPAID WORK IN A FAMILY BUSINESS OR FARM; Travel: Domestic; Baby Care - Household Child; Child Care - Household Child; HELPING/TEACHING/REPRIMANDING; READING/TALKING/CONVERSATION WITH CHILD; PLAY WITH CHILDREN; MEDICAL CARE - HOUSEHOLD CHILD; UNPAID BABYSITTING; PERSONAL CARE - HOUSEHOLD ADULTS; MEDICAL CARE - HOUSEHOLD ADULTS; OTHER CHILD CARE; OTHER CARE TO HOUSEHOLD ADULTS; Travel: Household Child; Travel: Household Adult; Groceries; Clothing, Gas, etc.; Take-out Food; Shopping for Durable; Financial Services (e.g. banking); Government Services (e.g. UIC); Adult Medical and Dental Care; Automobile Maintenance and Repair; Other Repair Services (e.g. T.V., Appliance); Waiting for Purchases or Services; Other Shopping and Services; Travel: Goods/Services; PERSONAL MEDICAL CARE (HOME); Housework and Cooking Assistance; House Maintenance and Repair Assistance; Unpaid Babysitting; Transportation Assistance; Care for Disabled or

Ill; Correspondence Assistance; Unpaid Help for a Business or Farm; Other Unpaid Work

- **Market work activities:** WORK FOR PAY AT MAIN JOB; WORK FOR PAY AT OTHER JOB(S); OVERTIME WORK; TRAVEL DURING WORK; WAITING/DELAYS AT WORK; IDLE TIME BEFORE/AFTER WORK; OTHER WORK ACTIVITY; Travel: To/From Work

- **Year:** 1998*

- **Source:** Statistics Canada: *General Social Survey, Cycle 12*. This analysis is based on the Statistics Canada *General Social Survey, Time Use Cycle 12*. **Reference Year:** 1998. All computations, use and interpretation of these data are entirely that of Georg Duernecker.

- **Household work activities:** Meal Preparation; Baking, Preserving Food, Home Brewing, etc.; Food (or Meal) Cleanup; Indoor Cleaning; Outdoor Cleaning; Laundry, Ironing, Folding, Drying; Mending/Shoe Care; Dressmaking and Sewing; Interior Maintenance and Repair; Exterior Maintenance and Repair; Vehicle Maintenance; Other Home Improvements; Gardening/Grounds Maintenance; Pet Care; Care of House Plants; Household Management, e.g. Organizing and Planning Activities, Paying Bills, etc.; Stacking and Cutting Firewood; Other Domestic Work (not specified above); Unpacking groceries; Packing and unpacking luggage and/or car; Packing and unpacking for a move of the household; Travel: Domestic; UNPAID WORK IN A FAMILY BUSINESS OR FARM; CHILD CARE (INFANT TO 4 YEARS OLD - HOUSEHOLD CHILD); PUTTING THE CHILDREN TO BED; GETTING THE CHILDREN READY FOR SCHOOL; PERSONAL CARE FOR CHILDREN OF THE HOUSEHOLD; HELPING/TEACHING/REPRIMANDING; READING/TALKING/CONVERSATION WITH CHILD; PLAY WITH CHILDREN; MEDICAL CARE - HOUSEHOLD CHILD; UNPAID BABYSITTING; PERSONAL CARE - HOUSEHOLD ADULTS; MEDICAL CARE - HOUSEHOLD ADULTS; OTHER CHILD CARE; OTHER CARE TO HOUSEHOLD ADULTS; Travel: Household Child; Travel: Household Adult; Groceries; Clothing, Gas, etc.; Take-out Food; Video rental; Shopping for Durable; Financial Services (e.g. banking); Government Services (e.g. UIC); Adult Medical and Dental Care; Automobile Maintenance and Repair; Other Repair Services (e.g. T.V., Appliance); Other Shopping and Services; Travel: Goods/Services; PERSONAL MEDICAL CARE (HOME); Housework and Cooking Assistance; House Main-

tenance and Repair Assistance; Unpaid Babysitting; Transportation Assistance; Care for Disabled or Ill; Correspondence Assistance; Unpaid Help for a Business or Farm; Other Unpaid Work

- **Market work activities:** WORK FOR PAY AT MAIN JOB; WORK FOR PAY AT OTHER JOB(S); OVERTIME WORK; TRAVEL DURING WORK; WAITING/DELAYS AT WORK; IDLE TIME BEFORE/AFTER WORK; OTHER WORK ACTIVITY; Travel: To/From Work

- **Year:** 2005*

- **Source:** Statistics Canada: *General Social Survey, Cycle 19*. This analysis is based on the Statistics Canada *General Social Survey, Time Use Cycle 19. Reference Year: 2005*. All computations, use and interpretation of these data are entirely that of Georg Duernecker.

- **Household work activities:** unpaid work in a family business/farm; meal preparation; baking, preserving food, etc; food/meal cleanup; indoor cleaning; outdoor cleaning; laundry, ironing, folding and drying; mending clothes/shoe care; dressmaking and sewing; interior maintenance and repair; exterior maintenance and repair; vehicle maintenance; other home improvements; gardening/grounds maintenance; pet care; care of plants; household management(organizing/planning activities, paying bills, etc); stacking and cutting firewood; other domestic/household work; unpacking groceries; packing and unpacking luggage and/or car; packing and unpacking for a move of the household; travel: domestic work; child care (infant to 4 years old); child care - Putting children to bed; child care - Getting children ready for school; child care - Personal care for children of the household; helping, teaching, reprimanding; reading to/talking/conversation with children; playing with children; medical care - household children; unpaid babysitting - household children; personal care - household adults; medical care - household adults; help and other child care - household children; help and other care - household adults; travel: household children; travel: household adults; grocery store, market, convenience store; shopping for every day goods and products; take-out food; rental of videos; shopping for durable household goods; financial services; government services; adult medical and dental care, including having prescriptions filled; car maintenance and repair; other repair and cleaning services; waiting for purchases or services; other shopping and services;

travel to/from shopping or obtaining services; personal medical care at home; housework, cooking assistance; house maintenance/repair assistance; unpaid babysitting; transportation assistance to someone other than a household member; care for disabled or ill person; correspondence assistance; unpaid help for farm/business; other unpaid work/help

- **Market work activities:** work for pay at main job; work for pay at other job(s); overtime work; travel during work; waiting/delays at work during work hours; idle time before/after work hours; other work activities; travel: to/from paid work.

- **Year:** 2010*

- **Source:** Statistics Canada: *General Social Survey, Cycle 24*. This analysis is based on the Statistics Canada *General Social Survey, Time Use Cycle 24*. **Reference Year:** 2010. All computations, use and interpretation of these data are entirely that of Georg Duernecker.

- **Household work activities:** unpaid work in a family business/farm; meal preparation; baking, preserving food, home brewing, etc; food/meal cleanup; indoor cleaning; outdoor cleaning (garbage, snow removal, garage); laundry, ironing, folding laundry; mending clothes/shoe care; dressmaking, sewing (for self or household member); interior maintenance and repair; exterior maintenance and repair of home; vehicle maintenance; other home improvements; gardening; grounds maintenance; pet care (walking, grooming, feeding); care of house plants; household management (organizing/planning activities, etc); searching Internet for recipe; financial Administration for the household; stacking and cutting firewood; other domestic/household work - Specify; unpacking groceries; packing and unpacking luggage and/or car; packing and unpacking for a move of the household; travel to/from unpaid domestic work; child care (infant to 4 years old); food preparation for child under 5 years of age; feeding the child; putting children to bed; getting children ready for school; personal care for children of the household; helping, teaching, reprimanding; reading with children; talking/conversation with children; playing with children; medical care - household children; emotional care of household children; unpaid babysitting - household children; personal care - household adults; education related help for household adult; looking after household adult as primary activity; medical care - household adults; emotional care - household adults; visiting child care/school establishments; associated communication related to child care/school; other educational help for

household children; other non-educational help for household children; visiting school establishments for household adults; associated communication related to school activities; other help for household adults; travel to/from care for household children; travel to/from care for household adults; grocery store, market, convenience store; shopping for gas; reading/research for purchasing everyday goods; purchasing everyday goods and services on the Internet; shopping for plants/flowers for home landscaping; shopping for other everyday goods; take-out food; renting a video; shopping for durable household goods; reading/research for purchasing durable household goods; purchasing durable household goods on Internet; financial services (banking, insurance, loans, taxes, financial consulting); government services (post office, police, driver's license, EI, welfare); adult medical and dental care, including having prescriptions filled; adult medical care (Inside home); dwelling renovation (eg, contractors, plumbers, architect); private mail service (eg, FedEx); other Professional Service; car maintenance and repair (car wash, oil change, tire rotation); other repair and cleaning services (dry cleaner, tv repair, furnace); waiting for purchases or services; shopping at garage sale, yard sale, flea market, auction; checking into and out of hotel, motel or B&B; shopping for hobby equipment or supplies; security procedures related to shopping activities; other shopping and services; travel to/from shopping or obtaining services; personal medical care (at home) - by self; personal medical care (at home) - administered by household member; personal medical care (at home) - administered by non- household (unpaid); housework or cooking assistance; animal and pet care for non-household pets; House maintenance or repair assistance; personal care provided to non-household children; medical care provided to non-household children; education related help to non-household children; looking after non-household children as primary activity; reading/talking with non-household children; other unpaid help provided to non-household children; transporting assistance to someone other than a household member; personal care provided to non-household adult; medical care provided to non-household adult; education related help to non-household adult; looking after non-household adult as primary activity; other unpaid help provided to non-household adult; correspondence assistance (letters, bills, forms); unpaid help for a family business or farm; other unpaid work/help

- **Market work activities:** work for pay at main job; work for pay at other job(s); overtime work; travel during work; waiting/delays at work during work hours; idle time before/after work hours; other Income-generating Activities; Security Procedures related

to paid work activities; other work activities; travel: to/from paid work

8.8 Colombia

- **Year:** 2012*
- **Source:** Departamento Administrativo Nacional de Estadística: *Encuesta Nacional de Uso del Tiempo - ENUT- 2012 - 2013*.
- **Household work activities:** Preparar y servir alimentos para las personas de este hogar; Levantar los platos, lavar la loza en este hogar; Llevarle la comida a personas de este hogar a su sitio de trabajo, estudio u otro lugar fuera de esta vivienda; Lavar, planchar o guardar ropa para las personas de este hogar; Reparar ropa, manteles, cobijas, calzado, maletas, etc, para las personas de este hogar; Elaborar prendas de vestir para las personas de este hogar; Llevar o recoger ropa o calzado de las personas de este hogar, a la lavandería, zapatería o remontadora (incluya tiempo de espera); Limpiar esta vivienda (barrer, trapear, tender las camas, sacudir el polvo, sacar la basura, etc); Cuidar mascotas (alimentar, bañar, pasear, llevar a la veterinaria, etc), cuidar el jardín o limpiar algún vehículo de este hogar; Traer agua para el uso de este hogar; Traer combustibles para cocinar como: carbón mineral o de palo, material de desechos, gas propano, gasolina, petróleo, kerosene y sus derivados; Construir o ampliar esta vivienda; Reparar, hacer instalaciones o mantenimiento a esta vivienda; Reparar electrodomésticos, muebles o vehículos de este hogar; Llevar a reparar electrodomésticos, muebles o vehículos de este hogar; Comprar artículos personales o para este hogar (alimentos, elementos de aseo, útiles escolares, ropa, calzado, muebles, etc); Comprar o reclamar medicamentos para usted o algún miembro de este hogar; Dirigir o supervisar las actividades de este hogar tales como: preparación de alimentos, limpieza, construcción, ampliación o reparación de esta vivienda; Pagar facturas, hacer trámites, poner o recoger encomiendas; Buscar vivienda para tomar en arriendo o comprar; Cobrar subsidios para usted o algún miembro de este hogar ante entidades públicas o privadas; Trasladarse (ir y volver) para efectuar alguna de las anteriores compras o pagos (si realizó más de una actividad, registre el tiempo de traslado total); Llevar o traer a alguna persona de este hogar de 12 años o menos al sitio de estudio; Llevar o traer a algún miembro de este hogar mayor de 12 años al sitio de estudio o trabajo; Llevar o traer a algún miembro de este hogar a eventos sociales, culturales o recreativos; Oficios del hogar (Cocinar, limpiar la casa, lavar la ropa, planchar, hacer las compras, etc); Reparaciones menores en una vivienda o labores de

jardinería; Construir o realizar alguna ampliación en una vivienda; Cuidar a personas de 12 años o menos que no estén enfermas o en condición de discapacidad; Cuidar a personas de 60 años o más que no estén enfermas o en condición de discapacidad; Cuidar a personas enfermas; Cuidar a personas en condición de discapacidad; Trasladarse para realizar una o más de las anteriores actividades; Hacer reparaciones, labores de limpieza o algún trabajo en beneficio de su barrio, vereda, centro poblado o comunidad (Cuáles de las siguientes actividades comunitarias o de voluntariado realizó ¿?); Plantar, regar, abonar, deshierbar o cosechar en una huerta casera o cultivo destinado solo para el consumo de este hogar; Criar animales para el consumo de este hogar tales como: gallinas, cerdos, patos, conejos, etc, cazar o pescar animales para el consumo de este hogar; Plantar, regar, abonar, deshierbar o cosechar en cultivos destinados para la venta; Criar, cazar o pescar animales para la venta; Ayudar en actividades de extracción de minerales como: oro, carbón, sal, etc; Recoger leña para el uso de este hogar; Otra (Cuáles de las siguientes actividades realizó ¿ sin que le pagaran en una finca, parcela o terreno de este hogar?); Plantar, regar, abonar, deshierbar o cosechar en una huerta casera o cultivo destinado sólo para el consumo de ese hogar; Criar animales para el consumo de ese hogar tales como: gallinas, cerdos, patos, conejos, etc, cazar o pescar animales para el consumo de ese hogar; Plantar, regar, abonar, deshierbar o cosechar en cultivos destinados para la venta; Criar, cazar o pescar animales para la venta; Ayudar en actividades de extracción de minerales como oro, carbón, sal, etc; Recoger leña para el uso de ese hogar; Otra (Cuáles de las siguientes actividades realizó ¿ sin que le pagaran en una finca o parcela propiedad de personas de otros hogares?); Actividades de producción para autoconsumo de los hogares sin especificar; Actividades de trabajo doméstico no remunerado sin especificar; Actividades de cuidado no remuneradas sin especificar; Desplazamientos relacionados con las actividades domésticas no remuneradas para el propio hogar; Desplazamientos relacionados con la atención de salud a miembros del hogar; Desplazamientos relacionados con otras actividades de cuidado y apoyo a miembros del hogar

8.9 Denmark

- **Year:** 1964*
- **Source:** Danish Data Archives: *Danish National Study of Leisure 1964*.
- **Household work activities:** Domestic work; Traveling between destinations; Shopping

- **Market work activities:** Employment activity conducted at home, Working at place of employment

- **Year:** 1975*
- **Source:** Danish Data Archives: *Fritidsundersøgelsen 1975*
- **Household work activities:** Husligt arbejde; Andet praktisk arbejde i hjemmet; Afhentning af børn; Besøg på offentligt kontor /læge o.l.; Indkøb ærinder; Havearbejde
- **Market work activities:** Erhvervsarbejde; Erhvervsarbejde hjemme; Transport til/fra arbejde/skole o.l.

- **Year:** 1987*
- **Source:** Danish Data Archives: *Befolkningens tidsanvendelse 1987*
- **Household work activities:** Madlavning, bagning; Opvask, afrydning; Rengøring; Vask og reparation af tøj; Børnepasning; Andet praktisk arbejde i hjemmet; Havearbejde, gadefejning; Hente/bringe børn; Undervejs i øvrigt
- **Market work activities:** Erhvervsarbejde; Erhvervsarbejde hjemme; Transport til/fra arbejde

- **Year:** 2001*
- **Source:** SFI - The Danish National Centre for Social Research: *The Danish Time Use Survey*
- **Household work activities:** Unspecified household and family care; Unspecified food management; Food preparation; Baking; Dish washing; Preserving; Other specified food management; Unspecified household upkeep; Cleaning dwelling; Cleaning yard; Heating and water; Various arrangements; Other specified household upkeep; Unspecified making and care for textiles; Laundry; Ironing; Handicraft and producing textiles; Other specified making of and care for textiles; Unspecified gardening and pet care; Gardening; Tending domestic animals; Caring for pets; Walking the dog; Other specified gardening and pet care; Unspecified construction and repairs; House construction and renovation; Repairs to dwelling; Making, repairing and maintaining equipment; Vehicle maintenance;

Other specified construction and repairs; Unspecified shopping and services; Shopping; Commercial and administrative services; Other specified shopping and services; Unspecified household management; Household management; Unspecified childcare; Physical care and supervision; Teaching the child; Reading, playing and talking with child; Accompanying child; Other specified childcare; Help to an adult family member; Travel related to personal care; Travel related to household care; Travel related to shopping and services; Transporting a child; Transporting an adult family member; Travel related to organisational work; Travel related to informal help

- **Market work activities:** Unspecified employment; Working time in main job; Working time in second job; Unspecified activities related to employment; Other specified activities related to employment; Travel as part of main job; Travel as part of second job; Travel to/from work

8.10 Ecuador

- **Year:** 2012*
- **Source:** Instituto Nacional de Estadística y Censos: *Encuesta Específica de Uso del Tiempo, EUT 2012*
- **Household work activities:** Tiempo para/en; cobrar BDH; cobrar BJGL; cobrar bono discapacidad; cobrar el bono JUBILAR; traslado casa a lugar atención; consulta médica o análisis; preparar alimentos ; servir comida, poner mesa; lavar vajilla, secar y acomodar; limpiar lugar prepara alimentos; desgranar, moler, tostar; preparar bebidas alcoh. y no alcoh.; faenamamiento de animales; dedicado en llevar comida; encender el fogón leña o carbón; preparar dulces; preparar pan, empanadas; preparar otros alimentos; preparar productos lácteos; secar granos; secar carnes; secar productos pesca; tender camas; limpiar o lavar el baño; limpieza de su casa; acarrear agua; calentar agua para bañarse; lavar o secar vehículo; cuidado de mascotas; actividades de jardinería; botar, quemar, reciclar basura; lavar o limpiar calzado; lavar ropa; planchar ropa; llevar ropa al serv. de lavado; doblar y guardar ropa; confeccionar prendas vestir; compra de víveres; compras diarias; compra de medicinas; compra útiles escolares, ropa; compra de enseres domésticos; compra, alquiler aparatos ortopédicos; trámites compra, alquiler vivienda, ..; pagos de serv. básicos; pagos o trámites en of. gobierno, bancos; ordenar documentos casa; dirigir quehaceres hogar; llevar cuentas de gastos e ingresos hogar; dedicado en seguridad del hogar; mudarse de casa; reacomodar espacios vivienda; dar de comer a niño(a); bañar o vestir a niño(a);

jugó, conversó con niño(a); dedicado a terapia de niño(a); dedicado a niño(a); dedicado a reuniones centro educativo; tareas escolares de niño o joven; llevar o recoger de establ. educativo; llevar o acompañar en atención médica; llevar o recoger del trabajo; acompañar a clase especial; cuidar a enfermo; acompañar a la clínica; acompañar a ver curanderos; preparar remedios caseros; reparaciones vivienda ; supervisar reparaciones vivienda; llevó, arregló, reparó medio transporte; llevó, arregló, reparó electrodoméstico; ayudar o hacer muebles, utensillos; cuidar animales domésticos; actividades de ordeño, trasquilar ovejas,..; recolectar agua para terreno; recolectar agua para animales; recoger leña, hongos o yerbas; recoger flores; recoger frutas; dedicado a la pesca o caza; actividades huerto; elaborar artículo masapan; elaborar adorno de concha o coco; elaborar artículo de cerámica o barro; elaborar artículo textil; elaborar adornos tagua o madera; elaborar otro artículo o adorno; ayudar a otro hogar en QQDD; cuidado de personas otro hogar; dedicado al servicio; ayuda a orfanato, asilo; dedicado al trámite; cuidando a discapacitado; dar de comer a discapacitado; asear y vestir a persona discapacitada; terapia o curación persona discapacitada; vela cuidando pers. discapacitada; estar pendiente de pers. discapacitada; preparar comida especial; acompañar a pers. discapacitada; limpieza habitación pers. discapacitada; lavar y planchar ropa pers. discapacitada

- **Market work activities:** Trabajó; Traslado al trabajo

8.11 Estonia

- **Year:** 2000, 2010
- **Source:** Statistics Estonia
- **Available at:** http://pub.stat.ee/px-web.2001/I_Databas/Social_Life/17TIME_USE/17TIME_USE.asp.
- **Accessed:** 10/1/2014
- **Household work activities:** food management; household upkeep; making and care for textiles; gardening and pet care; construction and repairs; shopping and services; household management; childcare; help to an adult family member; travel related to household and family care; travel related to personal care
- **Market work activities:** Employment: ..main job; second job; activities related to employment; journey to work

8.12 Finland

- **Year:** 1979
 - **Source:** Printed report provided by Statistics Finland.
 - **Household work activities:** Household work; Maintenance; Other housework; Child care; Shopping and errands; Travels related to domestic work
 - **Market work activities:** Gainful employment; Unspecified Work; Travels to work
-
- **Year:** 1987, 1999, 2009
 - **Source:** Statistics Finland: *Time Use Survey*
 - **Available at:** http://193.166.171.75/Database/StatFin/eli/akay/akay_en.asp
 - **Accessed:** 9/4/2014
 - **Household work activities:** Food preparation; Baking, preserving; Dish washing; Cleaning; Laundry, ironing; Producing textiles; Care for textiles; Heating and water; Construction and repairs; Gardening and caring for pets; Vehicle repair and maintenance; Helping a family member; Helping another household; Other domestic work; Travel related to household upkeep; Physical care and supervision of child; Reading and playing with child; Outdoors with child; Other childcare; Travel related to childcare; Shopping; Commercial and administrative services; Unspecified services; Travel related to shopping and services; Travel related to personal care
 - **Market work activities:** Gainful employment; Time connected with gainful employment; Travel to and from work

8.13 France

- **Year:** 1965*, 1974*, 1998*
- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read

to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care

- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

- **Year:** 1985

- **Source:** *Les Rythmes Quotidiens en France; Résultats de l'enquête "Emplois du temps" 1985-1986*

- **Available at:** **Available at:** Bibliothèque de l'Insee, 18 Boulevard Adolphe Pinard, 75014 Paris, France.

- **Household work activities:** Travaux ménagers; Soins aux enfants

- **Market work activities:** Travail professionnel

- **Year:** 2010

- **Source:** *Enquête Emploi du temps 2009-2010*

- **Available at:** <http://www.insee.fr/fr/publications-et-services/irweb.asp?id=edt2010>

- **Accessed:** 8/20/2014

- **Household work activities:** Cuisine; Vaisselle; Ménage, rangement; Linge; Couture; Gestion du ménage, papiers; Courses; Autre travaux domestiques; Soins aux enfants; Education des enfants; Soins aux adultes; Bricolage; Jardinage; Soins aux animaux; Soins esthétiques et médicaux

- **Market work activities:** Travail professionnel en dehors du domicile; Travail professionnel à domicile; Trajet domicile travail ou études

8.14 Germany

- **Year:** 1965*, 1991*, 2001*

- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care
- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

8.15 Hungary

- **Year:** 2010*
- **Source:** Hungarian Central Statistical Office: *Time survey 2010*
- **Household work activities:** Hagyományos(női) háztartási munkák; Ház körüli munkák; Javító, karbantartó munkák, építkezés; Egyéb, a saját háztartás ellátását szolgáló tevékenység; Vásárlás; Személyi és egyéb szolgáltatás igénybevétele; Ügyintézés; Egészségügyi szolgáltatás igénybevétele; Gyermekellátása, gondozása (saját)
- **Market work activities:** Kereső-, termelőtevékenység

8.16 India

- **Year:** 1998*
- **Source:** Ministry of Statistics & Programme Implementation: *Time Use Survey for India, 1998*
- **Household work activities:** HOUSEHOLD MAINTENANCE, MANAGEMENT AND SHOPPING FOR OWN HOUSEHOLD: Cleaning food items, beverages and serving; Cleaning and upkeep of dwelling and surroundings; Cleaning of utensils; Care of textiles: sorting, mending, washing, ironing and ordering clothes and linen; Shopping for goods

and non-personal services: capital goods, household appliances, equipment, food and various household supplies; Household management: planning, supervising, paying bills, etc; Do-it-yourself home improvements and maintenance, installation, servicing and repair of personal and household goods; Pet care; Travel related to household maintenance, management and shopping Household maintenance, management and shopping not elsewhere classified / CARE FOR CHILDREN, THE SICK, ELDERLY AND DISABLED FOR OWN HOUSEHOLD: Physical care of children: washing, dressing, feeding; Teaching, training and instruction of own children; Accompanying children to places: school, sports, lessons, etc./PHC/doctor; Physical care of the sick, disabled, elderly household members: washing, dressing, feeding, helping; Accompanying adults to receive personal care services: such as hairdresser's therapy sessions, temple, religious places etc; Supervising children needing care - with or without other activities; Supervising adults needing care - with or without other activities; Travel related to care of children; Travel related to care of adults and others; Taking care of guests/visitors; Any other activity not mentioned above

- **Market work activities:** Crop farming, kitchen gardening: Ploughing, preparing land, cleaning of land; Sewing. planting, transplanting; Application of manure, fertilizer, pesticides and watering, preparing organic/manure. Harvesting, threshing, picking, winnowing; Weeding; Supervision of work; Kitchen gardening - backyard cultivation; Stocking, transporting to home, guarding or protection of crops; Sale and purchase related activities; Travel to the work/ Animal husbandry: Grazing animals outside; Tending animals - cleaning, washing shed, feeding, watering, preparation of feed; Caring for animals: breeding, shearing, medical treatment, grooming, shoeing hg, AI etc; Milking and processing of milk; Collecting, storing of poultry products; Making dung cakes; Poultry rearing - feeding, cleaning; Other related activities; Sale and purchase related activities; Travel to the work / Fishing, Forestry, Horticulture, Gardening: Nursery - seedlings; Planting, tending, processing of trees; Collecting, storing & stocking of fruits etc; Wood cutting, chopping & stocking firewood; Fish farming, cleaning se-bed, feeding fish, catching fish, gathering other aquatic life; Care of house plants, indoor and outdoor garden work.. .; Flower gardening -landscaping, maintenance, cutting, collecting, storing; Sale and purchase related activities.; Traveling to the work.; Collection of fruit, water, plants etc., storing and hunting.; Fetching of water; Collection of fruits, vegetables, berries, mushrooms etc. edible goods; Collection of minor forest produce, leaves, bamboo, etc.; Collection of fuel/fuel

wood/twigs.; Collection of raw material for crafts.; Collection of building materials; Collection of fodder; Sale and purchase related activities; Collection of other items; Travel to work./ Processing & Storage: Milling, husking, pounding; Parboiling; Sorting, Grading; Grinding, crushing; Any other related activity; Sales and purchase related activities; Travel for the work/ Mining, quarrying, digging, cutting: Mining/extraction of salt; Mining/digging/quarrying of stone, slabs, breaking of stones for construction of building road, bridges etc.; Digging out clay, gravel and sand; Digging out minerals - major and minor; Transporting in vehicles; Storing, stocking; Any other related activity; Sale and purchase related activity; Travel for the work / CONSTRUCTION ACTIVITIES: Building & construction of dwelling (laying bricks, plastering, thatching, bamboo work, roofing) and maintenance and repairing of dwelling.; Construction and repair of animal shed, shelter for poultry etc.; Construction of wall. storage facility, fencing etc;-]or arms, irrigation work.; Construction of public works/common infrastructure - roads, buildings, bridges, etc.; Any other activity related.; Sales and purchase related activity; Travel to the work. / MANUFACTURING ACTIVITIES: Food processing and cooking for sale - making pickles. spices and other products; canning fruits, jams & jellies; baking; beverage preparation, selling readymade food etc; Butchering, curing, processing, drying storing etc. of meat, fish etc; Manufacturing of textiles - spinning, weaving, processing of textiles; knitting, sewing, garment making of cotton, wool and other material; Making handicrafts, pottery, printing and other crafts made primarily with hands. (wood based leather based crafts, embroidery work etc.); Fitting, installing, tool setting, tool and machinery - moulding, welding, tool making; Assembling machines, equipment and other products; Production related work in large and small factories in different industries - as production workers, maintenance workers paid trainees and apprentices, sales, administration and management activities. Sale and purchase related activity; Travel for the work / TRADE AND BUSINESS: Buying and selling goods - such as capital goods, intermediate goods, consumer durables, consumer goods - in the organised and formal sectors; Petty trading, street and door to door vending, hawking, shoe cleaning etc; Transporting goods in trucks, tempos and motor vehicles; Transporting in hand carts, animal carts, cycle rickshaws etc. or manually; Transport of passenger by motorized and non-motorised transports; Any other activity; Travel to work / SERVICES: Service in Government and semi government organisations (salaried); Service in-private organisations (salaried); Petty service: domestic servants, sweepers, washers, pujari, barber, cobbler, mali massaging, prostitution, (wages) watching and guarding; Professional ser-

vices: medical and educational services (private tuition, non formal teaching etc.), financial services and management and technical consultancy services; Professional services: computer services, Xerox/photocopying services, beauty parlours, hair cutting saloons etc; Technical services: plumbing, electrical and electronic repair and maintenance and other related services; Others; Travel to work.

8.17 Iraq

- **Year:** 2007*
- **Source:** *Iraq Household Socio-Economic Survey 2007*
- **Household work activities:** health care ; preparing food including making bread ; cleaning the house ; children care & help ; taking care of garden ; manual work ; other housing work ; getting fuel ; car maintenance ; buy goods
- **Market work activities:** work and activity of work; going to work
- **Year:** 2012*
- **Source:** *Iraq Household Socio-Economic Survey 2012*
- **Household work activities:** Prepare Food, cleaning the house and other household chores; Caring for the children & elderly; Shopping and buying for the household
- **Market work activities:** Work; Commuting to and from work

8.18 Italy

- **Year:** 1979*, 1989*
- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care

- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

- **Year:** 2002*
- **Source:** ISTAT *Usa del tempo 2002/03*
- **Household work activities:** Altre cure della propria persona: cure mediche, attività private, personali; CURA DELLA PROPRIA CASA E DELLA PROPRIA FAMIGLIA; CUCINARE, LAVARE E RIORDINARE LE STOVIGLIE; Preparare i pasti, le merende, la colazione; Preparare torte, biscotti, pane e altri alimenti con farina; Lavare le stoviglie; Preparare conserve, confetture, congelare, imbottigliare, ecc.; Altre attività specificate legate alla preparazione di alimenti; PULIZIA E RIORDINO DELLA CASA; Pulizia e riordino dell'abitazione, dei balconi, della cantina, del garage (parti dell'edificio abitativo); Pulizia del cortile, del giardino e altre parti esterne della casa; Approvvigionamento di materiale per il riscaldamento e di acqua ; Altre attività specificate legate alla cura della casa; LAVORAZIONE, MANUTENZIONE E RIPARAZIONE DI ABITI, BIANCHERIA, CALZATURE, ECC.; Lavare, stendere e ritirare il bucato; Stiratura; Produzione di capi di abbigliamento, biancheria, calzature (non per lavoro); Riparazione di abiti, biancheria, calzature e altre attività specificate legate alla cura degli abiti, biancheria, ecc.; GIARDINAGGIO E CURA DEGLI ANIMALI; Cura delle piante; Cura degli animali da cortile e da allevamento; Cura degli animali domestici; Portare a passeggio il cane; Altre attività specificate legate al giardinaggio e alla cura degli animali; COSTRUZIONE E RIPARAZIONI; Costruzione e ristrutturazione della propria abitazione; Riparazioni nella propria abitazione: pitturare le pareti, riparare impianti, ecc.; Costruzione, riparazione e cura di mobili o altri beni della propria abitazione; Manutenzione e riparazione di veicoli; Altre attività specificate legate alla costruzione e alle riparazioni dell'abitazione, dei beni della casa e di veicoli; ACQUISTI di beni e servizi; Acquisti di beni, spesa quotidiana; Acquisto di servizi commerciali e amministrativi per la casa e la famiglia; Servizi medici, altri servizi personali a pagamento; Servizi veterinari per gli animali domestici o da cortile, allevamento; Altre attività specificate legate agli acquisti di beni e servizi; GESTIONE DELLA FAMIGLIA; Gestione della vita familiare; CURA DI BAMBINI/RAGAZZI DELLA PROPRIA FAMIGLIA; Cure fisiche e sorveglianza;

Aiutare i bambini/ragazzi a fare i compiti; Giocare, leggere e parlare con bambini/ragazzi della famiglia; Accompagnare i bambini/ragazzi; Altre attività specificate legate alla cura di bambini/ragazzi; CURA E AIUTI AD ADULTI DELLA FAMIGLIA; Cure fisiche, prestazioni sanitarie, compagnia ad adulti della famiglia; Aiuto prestato ad adulti della famiglia nello svolgimento di attività varie: lavoro extra-domestico, studio, volontariato, ecc.; Altre attività specificate di cura o aiuto ad adulti della famiglia; Spostamenti per la cura della propria persona; Spostamenti per la cura della propria famiglia e della propria casa, acquisti di beni e servizi, gestione della famiglia; Spostamenti di bambini in compagnia di qualcuno, senza specificare il motivo dello spostamento

- **Market work activities:** LAVORO PRINCIPALE, FORMAZIONE SUL LAVORO, BREVI PAUSE; Lavoro principale, formazione sul lavoro, altre attività svolte per lavoro; Secondo lavoro, BREVI PAUSE; Secondo lavoro; Attività svolte per lavoro, fuori dell'orario di lavoro ; Altre attività specificate legate al lavoro, ricerca di lavoro; Spostamenti per lavoro

- **Year:** 2009*

- **Source:** ISTAT *Usa del tempo 2008/09*

- **Household work activities:** Altre attività specificate e non specificate legate alla cura della propria persona, cure mediche; Preparare i pasti; Lavare le stoviglie; Altre attività specificate e non specificate legate alla preparazione dei pasti; Pulizia e riordino dell'abitazione, dei balconi, della cantina, del garage (parti dell'edificio abitativo); Pulizia del cortile, del giardino e altre parti esterne della casa; Approvvigionamento di materiale per il riscaldamento e di acqua; Sistemazione di oggetti e beni della propria famiglia; Altre attività specificate e non specificate legate alla cura della casa; Lavare, stendere e ritirare il bucato; Stiratura; Produzione di capi di abbigliamento, biancheria, calzature (non per lavoro); Altre attività specificate e non specificate legate alla produzione, riparazione e cura di abiti, biancheria, calzature, ecc.; Cura delle piante; Cura degli animali da cortile e da allevamento; Cura degli animali domestici; Portare a passeggio il cane; Altre attività specificate e non specificate legate al giardinaggio e alla cura degli animali; Costruzione e ristrutturazione della propria abitazione; Riparazioni nella propria abitazione: pitturare le pareti, riparare impianti, ecc; Costruzione, riparazione e cura di mobili o altri beni della propria abitazione; Manutenzione e riparazione di veicoli; Altre attività specificate

e non specificate legate alla costruzione e alla riparazione dell'abitazione, dei beni della casa e dei veicoli; Acquisti di beni, spesa quotidiana; Acquisto di servizi commerciali per la casa e la famiglia; Acquisto di servizi amministrativi per la casa e la famiglia; Servizi medici, altri servizi personali a pagamento; Servizi veterinari per gli animali domestici o da cortile, allevamento; Altre attività specificate e non specificate legate agli acquisti di beni e servizi; Gestione della vita familiare; Gestione della vita familiare con l'uso del Personal Computer o di Internet; Cure fisiche e sorveglianza; Aiutare i bambini/ragazzi a fare i compiti; Giocare, leggere e parlare con bambini/ragazzi della famiglia; Accompagnare i bambini/ragazzi; Altre attività specificate e non specificate legate alla cura di bambini/ragazzi; Cure fisiche ad adulti della famiglia; Prestazioni sanitarie ad adulti disabili o malati della famiglia; Compagnia, accompagnare adulti della famiglia; Aiuto prestato ad adulti della famiglia nello svolgimento di attività varie: lavoro extradomestico, studio, volontariato, ecc.; Altre attività specificate e non specificate legate alla cura di adulti della famiglia; Spostamenti per la cura della propria persona; Spostamenti per la cura della propria famiglia e della propria casa, acquisti di beni e servizi, gestione della famiglia; Spostamenti di bambini/ragazzi in compagnia di qualcuno, senza specificare il motivo dello spostamento (per rispondenti fino a 17 anni)

- **Market work activities:** Lavoro principale, formazione sul lavoro, altre attività svolte per lavoro; Secondo lavoro; Spostamenti per lavoro; Attività svolte per lavoro, fuori dell'orario di lavoro; Altre attività specificate e non specificate legate al lavoro, ricerca di lavoro

8.19 Japan

- **Year:** 1976, 1981, 1986, 1991
- **Source:** Statistics Japan: *Survey on Time Use and Leisure Activities*
- **Available at:** <http://www.stat.go.jp/english/data/shakai/2001/jikei.htm>
- **Accessed:** 8/19/2014
- **Household work activities:** Housework; Caring or nursing; Child care; Shopping
- **Market work activities:** Commuting to and from school or work; Work

- **Year:** 1996, 2001, 2006, 2011

- **Source:** Statistics Japan: *Survey on Time Use and Leisure Activities*
- **Available at:** <http://www.stat.go.jp/english/data/shakai/index.htm>
- **Accessed:** 8/19/2014
- **Household work activities:** Housekeeping; Nursing; Child care; Shopping
- **Market work activities:** Commuting to and from school or work; Work

8.20 Korea

- **Year:** 1981, 1985, 1990, 1995, 2000, 2005, 2010
- **Source:** Korean Broadcasting System and Institute for Communications Research at Seoul National University
- **Household work activities:** cooking; cleaning; laundry; knitting; shopping; child care ; miscellaneous chores; children's play; other moving for shopping, and etc.
- **Market work activities:** work; commute

8.21 Macedonia

- **Year:** 2009
- **Source:** Republic of Macedonia, State Statistical Office: *Time Use Survey, 2009*
- **Available at:** <http://www.stat.gov.mk/Publikacii/2.4.11.01.pdf>
- **Accessed:** 10/2/2014
- **Household work activities:** Food preparation; Dish washing; Cleaning dwelling; Other household upkeep; Laundry; Ironing; Handicrafts and prod. textiles; Other care for textiles; Gardening; Tending domestic animals; Caring for pets; Walking the dog; Other gardening and pet care; Construction and repairs; Shopping and services; Physical care of child; Teaching, playing and talking with child; Other childcare; Other domestic work; Travel rel. to shopping; Transporting a child
- **Market work activities:** Main and second job; Activities rel. to employment; Travel to/from work

8.22 Mexico

- **Year:** 2002*
- **Source:** INEGI: *Encuesta Nacional sobre Uso del Tiempo 2002*
- **Household work activities:** cocinar o preparar los alimentos; servir la comida, poner la mesa o levantar los platos; preparar conservas, dulces u otros alimentos; preparar nixtamal, moler el maíz o hacer tortillas; encender el fogón de leña o carbón; preparar un complemento para la elaboración de algún alimento; llevar la comida a otro miembro del hogar al trabajo o escuela; lavar, secar o acomodar los trastes; limpiar o lavar la cocina (cuarto de cocina, estufa o fregadero); limpiar o lavar el cuarto de baño; tender las camas o arreglar el lugar donde duermen; hacer la limpieza general de la casa; tirar o disponer de la basura; acarrear o guardar agua para uso del hogar; lavar o limpiar el carro o medio de transporte del hogar; cuidar las plantas o el jardín; dirigir los quehaceres del hogar y decidir sobre cosas cotidianas; lavar la ropa de los miembros del hogar; planchar la ropa de los miembros del hogar; llevar o recoger ropa a algún lugar para su arreglo o aseo; doblar y acomodar la ropa; bolear o lavar el calzado; coser o tejer ropa para los miembros del hogar; comprar cotidianamente (despensa); contabilizar los ingresos y gastos del hogar; ordenar o buscar documentos de los miembros del hogar; esperar algún servicio a domicilio; prevenir la seguridad del hogar; cuidar o criar animales de corral; cuidar el huerto o parcela; cuidar mascotas; cuidado de la salud personal; ayudar a comer a algún miembro del hogar con algún tipo de limitación física o mental; bañar o arreglar a algún miembro del hogar con algún tipo de limitación física o mental; llevar al baño o cambiar el pañal a algún miembro del hogar con algún tipo de limitación física o mental; aplicar terapias especiales o platicar con algún miembro del hogar con algún tipo de limitación física o mental; estar al pendiente de algún miembro del hogar con algún tipo de limitación física o mental; llevar al servicio médico, terapias o trámites a algún miembro del hogar con algún tipo de limitación física o mental; ayudar a comer a un algún niño o niña del hogar; bañar o arreglar a algún niño o niña del hogar; jugar o platicar con algún niño o niña del hogar; aplicar alguna terapia especial a algún niño del hogar; estar al pendiente o cuidando algún niño o niña del hogar; llevar o recoger a algún miembro del hogar a cualquier lugar; ayudar en las tareas de la escuela o estar al pendiente; cuidar a algún miembro del hogar enfermo temporalmente; asistir a juntas, festivales, etc., relacionados con la educación de los miembros del hogar; comprar ropa o calzado para algún miembro del hogar; comprar utensilios y enseres para el hogar; comprar

muebles o aparatos para el hogar; pagar los servicios de la vivienda; realizar pagos de tarjetas, colegiaturas, depósitos o deudas del hogar; hacer algún trámite personal o para la vivienda; supervisar las reparaciones o mejoras a la vivienda; hacer alguna reparación eléctrica, de plomería o albañilería, etcétera; hacer reparaciones al automóvil o medio de transporte; reparar electrodomésticos o muebles del hogar; supervisar o llevar a reparar el automóvil, aparatos electrodomésticos, muebles, etcétera.; hacer algún mueble, adorno o artesanía para el hogar; construir o ampliar algún espacio de la vivienda

- **Market work activities:** trabajar; trasladarse al trabajo

- **Year:** 2009*
- **Source:** INEGI: *Encuesta Nacional sobre Uso del Tiempo 2009*
- **Household work activities:** cuidó o crió animales de corral, sembró y cuidó el huerto o la parcela; recolectó, acarreoó o almacenó leña; acarreoó o almacenó agua; elaboró o tejió ropa, manteles, cortinas u otros; desgranó maíz, coció o molió el nixtamal o hizo tortillas de maíz o trigo; encendió el fogón, horno o anafre de leña o carbón; cocinó o preparó alimentos o bebidas para el desayuno, comida, cena o entre comidas; calentó alimentos o bebidas para el desayuno, comida, cena o entre comidas; puso la mesa, sirvió la comida o levantó los platos; lavó, secó o acomodó los trastes; llevó comida a algún integrante del hogar al trabajo, escuela u otro lugar; limpió o recogió la casa; realizó limpieza exterior de la vivienda; separó, tiró o quemó la basura; lavó, puso a secar o tendió la ropa; dobló, separó o acomodó la ropa; planchó la ropa; reparó ropa, manteles, cortinas o sábanas; llevó o recogió ropa o calzado a algún lugar para su limpieza o reparación; boleó, pintó o limpió el calzado; construyó o hizo una ampliación a su vivienda; hizo alguna reparación o instalación a su vivienda; supervisó la construcción o reparación de su vivienda; realizó reparaciones de aparatos electrodomésticos, computadora, muebles o juguetes; llevó o supervisó la reparación de aparatos electrodomésticos, computadora, muebles o juguetes; lavó o limpió el automóvil u otro medio de transporte; reparó o dio mantenimiento al automóvil u otro medio de transporte; llevó a lavar, dar mantenimiento o reparar el automóvil u otro medio de transporte; hizo las compras para su hogar; compró refacciones, herramientas, materiales de construcción; compró trastes, manteles, muebles, juguetes, ropa o calzado; compró algún automóvil, terreno, departamento o casa; realizó pagos o trámites personales, o del hogar así como servicios de la vivienda; llevó las cuentas

y los gastos del hogar; aplicó medidas de protección para los integrantes del hogar y sus bienes; esperó el gas , la pipa de agua, camión de basura u otro servicio; dio de comer a algún menor de 6 años; bañó, aseó, vistió o arregló a algún menor de 6 años; cargó o acostó a un menor de 6 años; llevó o recogió de la guardería o escuela a algún menor de 15 años; ayudó en las tareas de la escuela a algún menor de 15 años; asistió a juntas, festivales o actividades de apoyo en la guardería o escuela de algún menor de 15 años; llevó, acompañó o recogió a algún menor de 15 años para recibir atención médica; estuvo al pendiente de algún menor de 15 años mientras usted hacía otra cosa; llevó, acompañó o recogió a algún adulto mayor de 60 años para recibir atención médica; estuvo al pendiente de algún adulto mayor de 60 años mientras usted hacía otra cosa

- **Market work activities:** cuánto tiempo le dedicó a trabajar; cuánto tiempo utilizó en trasladarse (ida y vuelta) a su trabajo

8.23 Netherlands

- **Year:** 1975*, 1980*, 1985*, 1990*, 1995*, 2000*, 2005*
- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care
- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

8.24 New Zealand

- **Year:** 1998, 2009
- **Source:** Statistics New Zealand: *Time Use Surveys 1999*

- **Available at:** http://www.stats.govt.nz/browse_for_stats/people_and_communities/time_use.aspx.
- **Accessed:** 9/2/2014
- **Household work activities:** Household work; Child care; Purchasing goods and services; Other unpaid work
- **Market work activities:** Labour force activity

8.25 Norway

- **Year:** 1970, 1980, 1990, 2000, 2010
- **Source:** Statistics Norway
- **Available at:** <http://www.ssb.no/tidsbruk/> and <https://www.ssb.no/statistikbanken/selecttable/hovedtabellHjem.asp?KortNavnWeb=tidsbruk&CMSSubjectArea=kultur-og-fritid&PLanguage=1&checked=true>
- **Accessed:** 9/2/2014
- **Household work activities:** House work; Maintenance; Family care; Shopping and services; Other household work; Travels connected to household work
- **Market work activities:** Income-producing work; Travel to/from work

8.26 Panama

- **Year:** 2011
- **Source:** Instituto Nacional de Estadística y Censo: *La Encuesta de Uso del Tiempo*
- **Available at:** http://www.contraloria.gob.pa/inec/publicaciones/Publicaciones.aspx?ID_SUBCATEGORIA=63&ID_PUBLICACION=515&ID_IDIOMA=1
- **Accessed:** 7/29/2015
- **Household work activities:** Actividades agrícolas o pecuarias; Actividades culinarias; Aseo de la vivienda; Construcción y reparaciones; Arreglo de ropa; Compras; Gerencia y organización; Cuidado de menores niñas, niños y adolescentes; Cuidados de enfermos no crónicos y otros cuidados de personas de toda edad; Cuidado de personas del hogar que requieren atención de manera continua

- **Market work activities:** Trabajo para el mercado; Traslado al trabajo (para el mercado)

8.27 Poland

- **Year:** 2003*
- **Source:** Central Statistical Office: *Time Use Survey 2003-2004*
- **Household work activities:** Unspecified household and family care; Unspecified food management; Food preparation; Baking; Dish washing; Preserving; Other specified food management; Unspecified household upkeep; Cleaning dwelling; Cleaning yard; Heating and water; Various arrangements; Other specified household upkeep; Unspecified making and care for textiles; Laundry; Ironing; Handicraft and producing textiles; Other specified making and care for textiles; Unspecified gardening and pet care; Gardening; Tending domestic animals; Caring for pets; Walking the dog; Other specified gardening and pet care; Unspecified construction and repairs; House construction and renovation; Repairs of dwelling; Making, repairing and maintaining equipment; Vehicle maintenance; Other specified construction and repairs; Unspecified shopping and services; Shopping; Commercial and administrative services; Personal services; Other specified shopping and services; Household management; Unspecified childcare; Physical care and supervision; Teaching the child; Reading, playing and talking with child; Accompanying child; Other specified childcare; Help to an adult family member; Unspecified informal help; Food management as help; Household upkeep as help; Gardening and pet care as help; Construction and repairs as help; Shopping and services as help; Help in employment and farming; Childcare as help; Help to an adult of another household; Other specified informal help; Travel related to household care; Travel related to shopping and services; Transporting a child; Transporting an adult family member ; Travel related to informal help; Children's help in private farm in agriculture; Children's help in self employment activity led by parents; Household management with internet
- **Market work activities:** Unspecified employment; Working time in main job; Working time in second job; Unspecified activities related to employment; Other specified activities related to employment; Travel as part of/during main job; Travel as part of/during second job; Travel to/from work; Main hired job; Main self-employed job; Main job on private farm in agriculture; Second hired job; Second self-employed job; Second job on private farm in agriculture; Main hired job with computer; Main hired job with internet; Main

self-employment job with computer; Main self-employment job with internet; Main job on private farm in agriculture with computer; Main job on private farm in agriculture with internet; Second hired job with computer; Second hired job with internet; Second self-employment job with computer; Second self-employment job with internet; Second job on private farm in agriculture with computer; Second job on private farm in agriculture with internet

8.28 Russia

- **Year:** 1993*-1996*, 1998*, 2006*-2009*
- **Source:** *Russia Longitudinal Monitoring Survey – Higher School of Education*. We thank the Russia Longitudinal Monitoring survey, RLMS-HSE, conducted by the National Research University Higher School of Economics and ZAO "Demoscope" together with Carolina Population Center, University of North Carolina at Chapel Hill and the Institute of Sociology RAS for making these data available.
- **Household work activities:** finding and purchasing food items; finding and purchasing non-food items; obtain household services–e.g., laundry, tailor, repair, etc; food preparation or dishwashing; cleaning or repairing things like furniture or appliances at home; laundry, ironing, or repairing or making clothes for your family; caring for young children (age 6 or under) in your family, e.g., feeding, bathing, babysitting, etc.; children between 7 and 14 years of age ... participate in caring for them, in their education, etc.; caring for children and grandchildren, aged 6 years or less, who do not live with you; caring for other children, who do not live with you; help father (for example, going to the store especially for him, helping him with cleaning, washing); help mother (for example, going to the store especially for him, helping him with cleaning, washing); help relatives (for example, going to the store especially for him, helping him with cleaning, washing)
- **Market work activities:** work; commuting

8.29 Slovenia

- **Year:** 2000/01*
- **Source:** Statistical Office of the Republic of Slovenia: *Time use Survey 2001*
- **Household work activities:** Unspecified household and family care; Unspecified food management; Food preparation; Baking; Dish washing; Preserving; Other specified food

management; Unspecified household upkeep; Cleaning dwelling; Cleaning yard; Heating and water; Various arrangements; Other specified household upkeep; Unspecified making and care for textiles; Laundry; Ironing; Handicraft and producing textiles; Other specified making and care for textiles; Unspecified gardening and pet care; Gardening; Tending domestic animals; Caring for pets; Walking the dog; Other specified gardening and pet care; Unspecified construction and repairs; House construction and renovation; Repairs of dwelling; Making, repairing and maintaining equipment; Vehicle maintenance; Other specified construction and repairs; Unspecified shopping and services; Shopping; Commercial and administrative services; Personal services; Other specified shopping and services; Household management; Unspecified childcare; Physical care and supervision; Teaching the child; Reading, playing and talking with child; Accompanying child; Other specified childcare; Help to an adult family member; Travel related to household care; Travel related to shopping and services; Transporting a child; Transporting an adult family member

- **Market work activities:** Unspecified employment; Working time in main job; Working time in second job; Unspecified activities related to employment; Lunch break; Other specified activities related to employment; Travel as part of/during main job; Travel as part of/during second job; Travel to/from work

8.30 South Africa

- **Year:** 2000*
- **Source:** Statistics South Africa: *Time Use Survey 2000*
- **Household work activities:** Crop farming and market/kitchen gardening: planting, weeding, harvesting, picking, etc.; Tending animals and fish farming; Hunting, fishing, gathering of wild products and forestry; Collecting fuel, firewood or dung; Digging, stone cutting, splitting and carving; Collecting water; Purchase of goods for and sale of outputs arising from these activities; Travel related to primary production activities (not for establishments); Waiting; Travel related to primary production activities (not for establishments); Primary production activities (not for establishments) not elsewhere classified; Food processing and preservation activities: grain processing, butchering, preserving, curing; Preparing and selling food and beverage preparation, baking, confectionery and related activities; Making and selling textile, leather and related craft: weaving, knitting, sewing, shoemaking, tanning, products of wood; Building and extensions of dwelling;

laying bricks, plastering, thatch, roofing, maintaining and repairing buildings; cutting glass, plumbing, painting, carpentering, electric wiring; Petty trading, street/door-to-door vending, shoe-cleaning and other services performed in non-fixed or mobile locations; Fitting, installing, tool setting, maintaining and repairing tools and machinery; Provision of services for income such as computer services, transport, hairdressing, cosmetic treatment, baby-sitting, massages, prostitution; Travel related to services for income and other production of goods (not for establishments); Waiting:Travel related to services for income and other production of goods (not for establishments); Services for income and other production of goods (not for establishments) not elsewhere classified; Cooking, making drinks, setting and serving tables, washing up; Cleaning and upkeep of dwelling and surroundings; Care of textiles: sorting, mending, washing, ironing and ordering clothes and linen; Shopping for personal and household goods; Accessing government service, such as collecting pension, going to post office; Waiting to access government service; Household management: planning, supervising, paying bills, etc.; Waiting for household management; Do-it-yourself home improvements and maintenance, installation, servicing and repair of personal and household goods; Pet care; Travel related to household maintenance, management and shopping; Waiting:Travel related to household maintenance, management and shopping; Household maintenance, management and shopping not elsewhere classified; Chopping wood, lighting fire and heating water not for immediate cooking purposes; Physical care of children; Physical care of children: washing, dressing, feeding mentioned spontaneously; Physical care of children: washing, dressing, feeding not mentioned spontaneously; Waiting for physical care of children; Teaching, training and instruction of household's children mentioned spontaneously; Teaching, training and instruction of household's children not mentioned spontaneously; Accompanying children to places: school, sports, lessons, etc. mentioned spontaneously; Accompanying children to places: school, sports, lessons, etc. not mentioned spontaneously; Waiting to accompany children; Physical care of the sick, disabled, elderly household members: washing, dressing, feeding, helping; Accompanying adults to receive personal care services: such as hairdresser's, therapy sessions, etc.; Waiting to accompany adults; Supervising children and adults needing care mentioned spontaneously; Supervising children and adults needing care not mentioned spontaneously; Travel related to care of children, the sick, elderly and disabled in the household; Waiting:Travel related to care of children, the sick, elderly and disabled in the household; Care of children, the sick, elderly and disabled in the household not elsewhere classified; Community organised construction and repairs: buildings,

roads, dams, wells, etc.; Cleaning of classrooms; Caring for non-household children mentioned spontaneously; Caring for non-household children not mentioned spontaneously; Caring for non-household adults; Other informal help to other households; Travel related to community services; Community services not elsewhere classified

- **Market work activities:** Wage and salary employment other than domestic work; Outworkers/home-based work for an establishment; Domestic and personal services produced by domestic work; Unpaid employment in establishment; Work as employer/self-employed for an establishment; Working in apprenticeship, internship and related positions; Travel to/from work and seeking employment in establishments; Waiting: Travel to/from work and seeking employment in establishments ; Employment in establishments not elsewhere classified

- **Year:** 2010*

- **Source:** Statistics South Africa: *Time Use Survey 2010*

- **Household work activities:** Crop farming and market/kitchen gardening: planting, weeding, harvesting, picking, etc; Tending animals and fish farming; Hunting, fishing, gathering of wild products and forestry; Collecting fuel, firewood or dung; Digging, stone cutting, splitting and carving; Collecting water; Purchase of goods for and sale of outputs arising from these activities; Travel related to primary production activities (not for establishments); Waiting:Travel related to primary production activities (not for establishments); Primary production activities (not for establishments) not elsewhere classified; Food processing and preservation activities: grain processing, butchering, preserving, curing; Preparing and selling food and beverage preparation, baking, confectionery and related activities; Making and selling textile, leather and related craft: weaving, knitting, sewing, shoemaking, tanning, products of wood; Building and extensions of dwelling: laying bricks, plastering, thatch, roofing, maintaining and repairing buildings; cutting glass, plumbing, painting, carpentering, electric wiring; Petty trading, street/door-to-door vending, shoe-cleaning and other services performed in non-fixed or mobile locations; Fitting, installing, tool setting, maintaining and repairing tools and machinery; Provision of services for income such as computer services, transport, hairdressing, cosmetic treatment, baby-sitting, massages, prostitution; Travel related to services for income and other production of goods (not for establishments); Waiting:Travel related to services for

income and other production of goods (not for establishments); Services for income and other production of goods (not for establishments) not elsewhere classified; Cooking, making drinks, setting and serving tables, washing up; Cleaning and upkeep of dwelling and surroundings; Care of textiles: sorting, mending, washing, ironing and ordering clothes and linen; Shopping for personal and household goods; Accessing government service, such as collecting pension, going to post office; Waiting to access government service; Household management: planning, supervising, paying bills, etc; Do-it-yourself home improvements and maintenance, installation, servicing and repair of personal and household goods; Pet care; Travel related to household maintenance, management and shopping; Waiting: Travel related to household maintenance, management and shopping; Household maintenance, management and shopping not elsewhere classified; Chopping wood, lighting fire and heating water not for immediate cooking purposes; Physical care of children: washing, dressing, feeding ? mentioned spontaneously; Physical care of children: washing, dressing, feeding ? not mentioned spontaneously; Teaching, training and instruction of household?s children ? mentioned spontaneously; Teaching, training and instruction of household?s children ? not mentioned spontaneously; Accompanying children to places: school, sports, lessons, etc. ? mentioned spontaneously; Accompanying children to places: school, sports, lessons, etc. ? not mentioned spontaneously; Physical care of the sick, disabled, elderly household members: washing, dressing, feeding, helping; Accompanying adults to receive personal care services: such as hairdresser?s, therapy sessions, etc.; Supervising children and adults needing care ? mentioned spontaneously; Supervising children and adults needing care ? not mentioned spontaneously; Travel related to care of children, the sick, elderly and disabled in the household; Waiting: Travel related to care of children, the sick, elderly and disabled in the household; Care of children, the sick, elderly and disabled in the household not elsewhere classified; Community organised construction and repairs: buildings, roads, dams, wells, etc.; Cleaning of classrooms; Caring for non-household children ? mentioned spontaneously; Caring for non-household children ? not mentioned spontaneously; Caring for non-household adults; Other informal help to other households; Travel related to community services; Community services not elsewhere classified

- **Market work activities:** Wage and salary employment other than domestic work ; Outworkers/home-based work for an establishment; Domestic and personal services produced by domestic work (Paid domestic work); Unpaid employment in establishment;

Work as employer/self-employed for an establishment; Working in apprenticeship, internship and related positions; Travel to/from work and seeking employment in establishments; Waiting:Travel to/from work and seeking employment in establishments ; Employment in establishments not elsewhere classified

8.31 Spain

- **Year:** 2003*
- **Source:** Instituto Nacional de Estadística: *Encuesta de Empleo del Tiempo 2002-2003*
- **Available at:** http://www.ine.es/en/prodyser/micro_emptiem_en.htm
- **Accessed:** 9/2/2014
- **Household work activities:** Actividades culinarias no especificadas; Preparación de comidas; Repostería; Fregar la vajilla; Conservación de alimentos; Otras actividades culinarias especificadas; Mantenimientos del hogar no especificados; Limpieza de la vivienda; Limpieza del patio y exteriores de la vivienda; Calefacción y abastecimiento de agua; Tareas diversas de organización; Otros mantenimientos del hogar especificados; Actividades de confección y cuidado de ropa no especificadas; Colada; Planchado; Confección de ropa; Otras actividades especificadas de confección y cuidado de ropa; Actividades no especificadas de jardinería y cuidado de animales; Jardinería; Cuidado de animales domésticos; Cuidado de mascotas; Pasear al perro; Otras actividades especificadas de jardinería y cuidado de animales; Actividades de construcción y reparaciones no especificadas; Construcción, renovación de la vivienda; Reparaciones de la vivienda; Fabricación, reparación y mantenimiento del equipamiento del hogar; Mantenimiento de vehículos; Otras actividades especificadas de construcción y reparaciones; Compras y servicios no especificados; Compras; Servicios comerciales y administrativos; Servicios personales; Otras compras y servicios especificados; Gestiones del hogar; Cuidados de niños no especificados; Cuidados físicos y vigilancia de niños; Enseñar a los niños; Leer, jugar, hablar o conversar con los niños; Acompañar a los niños; Otros cuidados de niños especificados; Ayudas a adultos miembros del hogar; Ayudas informales no especificadas; Ayudas en las actividades culinarias; Ayudas en el mantenimiento del hogar; Ayudas en la jardinería y el cuidado de animales; Ayudas en la construcción y las reparaciones; Ayudas en las compras y servicios; Ayudas en el trabajo y en la agricultura; Ayudas en el cuidado de niños; Ayudas a adultos de otros hogares; Otras ayudas informales especificadas; Trayectos debidos a

cuidados personales; Trayectos debidos a los cuidados del hogar; Trayectos debidos a las compras y servicios; Trayectos debidos al cuidado de niños; Trayectos debidos al cuidado de adultos miembros del hogar; Trayectos debidos a ayudas informales a otros hogares

- **Market work activities:** Trabajo no especificado; Trabajo regular en el trabajo principal; Formación durante el trabajo principal; Trabajo regular en el trabajo secundario; Formación durante el trabajo secundario; Actividades relacionadas con el trabajo no especificadas; Otras actividades especificadas relacionadas con el trabajo; Trayectos debidos al trabajo principal; Trayectos debidos al trabajo secundario; Trayectos de ida/vuelta al/del trabajo

- **Year:** 2009*

- **Source:** Instituto Nacional de Estadística: *Encuesta de Empleo del Tiempo 2009-10*

- **Available at:** http://www.ine.es/en/prodyser/micro_emptiem_en.htm

- **Accessed:** 9/2/2014

- **Household work activities:** Actividades para el hogar y la familia no especificadas; Preparación de comidas y conservación de alimentos; Fregar la vajilla; Limpieza de la vivienda; Limpieza del jardín y exteriores de la vivienda; Calefacción y abastecimiento de agua; Tareas diversas de organización; Otros mantenimientos del hogar, especificados o no; Colada; Planchado; Confección de ropa; Otras actividades de confección y cuidado de ropa, especificadas o ; Jardinería; Cuidado de animales domésticos; Cuidado de mascotas; Pasear al perro; Otras actividades de jardinería y cuidado de animales, especificadas; Construcción, renovación de la vivienda; Reparaciones de la vivienda; Fabricación, reparación y mantenimiento del equipamiento del hoga; Mantenimiento de vehículos; Otras actividades de construcción y reparaciones, especificadas o n; Compras; Servicios comerciales y administrativos; Servicios personales; Otras compras y servicios, especificados o no; Gestiones del hogar; Cuidados físicos y vigilancia de niños; Enseñar a los niños; Leer, jugar, hablar o conversar con los niños; Acompañar a los niños; Otros cuidados de niños, especificados o no; Cuidados físicos de adultos dependientes miembros del hogar; Otras ayudas a adultos dependientes miembros del hogar; Ayudas a adultos miembros del hogar no dependientes; Ayuda para la construcción y las reparaciones; Ayuda en el trabajo y en la agricultura; Cuidado de hijos que viven en otro hogar; Ayuda en el cuidado de niños de otro hogar; Ayuda a adultos de otros hogares; Otras ayudas informales, especificadas o

no; Trayectos debidos a otras actividades de hogar y familia; Trayectos debidos a compras y servicios; Trayectos debidos al cuidado de niños; Trayectos debidos a ayudas a adultos miembros del hogar

- **Market work activities:** Trabajo principal y secundario; Otras actividades relacionadas con el trabajo, especificadas o no; Trayectos de ida o vuelta al trabajo

8.32 Sweden

- **Year:** 1984*
- **Source:** Swedish National Data Service: *HUS 1984*
- **Household work activities:** Preparing meals, making coffee, making snacks, baking, etc., mainly for immediate consumption, including setting the table, serving etc.; Preparing meals, baking, making juice, making jam, canning and freezing, mainly for future use.; Dishwashing and putting away; Cleaning up at home, making beds, putting things in order for the night, taking care of potted plants, other unspecified activities within the house related to maintenance. Cleaning up outside the house, in basement or garage, other unspecified maintenance work outside the house (but not yard work).; Washing, drying, ironing, mangling and other cleaning including mending clothes and linens. (Where a machine is used, include only the time during which actual personal work is required, not the time the machine is running-that is counted as a secondary activity).; Household management, i.e., bookkeeping, keeping track of receipts, paying bills, preparing income-tax returns, budget etc.; Active child care (playing with child, helping with homework, washing, bathing etc.); Passive child care (supervision, being available etc.); Care of sick child (only active care; supervision is reported as 350. Visiting a child in the hospital and accompanying child to the doctor are included here.); Care of sick adult (only active care; supervision is reported as 380. Visiting an adult in the hospital and accompanying someone to the doctor are included here.); Attending to sick adult; Care of animal (exercising, cleaning, clipping etc.); Purchase of everyday goods and clothing (preparation for purchase is included, for example reading ads, asking about prices); Purchase of consumer durables and property; Purchase of private services; Purchase of private health and medical care; Purchase of private medical care; Purchase of other private services (bank, post office, attorney, insurance, car repairs, repair of household appliances, but not work done oneself or hairdresser, beauty care); Purchase of public services; Purchase of public health and medical care; Purchase of public dental care (national dental service);

Other public services (e.g. visiting day nursery, library, social welfare committee, building committee, social insurance office, county administrative board, police authorities etc., as well as other consultations with government and municipal authorities); Maintenance, repairs, improvements on one's home, including furnishings (not cleaning); Yard work; Maintenance, repair, improvements on car, motorcycle or moped; Maintenance, repair, improvements on boat; Maintenance, repair, improvements on vacation home and lot (other than yard work); Travel to help someone out, e.g. "drove NN to work" (provided that respondent was not working as well); Travel in connection with taking care of someone; Travel in connection with shopping etc.; Travel in connection with maintenance and repair work

- **Market work activities:** At main job. Gainful employment not including breaks, illness or other absence. This also includes work at home in connection with primary job.; At primary job. Lunch, coffee breaks, other breaks, personal errands and telephone calls.; At gainful employment other than primary job. Lunch, coffee breaks, other breaks, personal errands and telephone calls.; At main job. Official job-related trips (absence time not including actual travel time).; At gainful employment other than primary job. Gainful employment not including breaks, illness and other absences. This also includes work at home in connection with primary job.; At gainful employment other than primary job. Official job-related trips (absence time not including actual travel time).; Military service; Travel to and from work as well as to find a (new) job; Official job-related trips (travel time only); Travel to and from military base
- **Year:** 1990
- **Source:** Statistics Sweden
- **Available at:** http://www.scb.se/statistik/_publikationer/LE0103_1990I91_BR_LE79SA9201.pdf
- **Accessed:** 9/15/2014
- **Household work activities:** Matlagning; Brödbakning; Egenproduktion av matvaror; Diskning, avdukning; Städning av bostaden; Tvätt, strykning; Vård, tillverkning av kläder; Eldning, vedhuggning; Skötsel av tomt och trädgård; Rastning av hund; Annan skötsel av sällskapsdjur; Byggnadsarbeten, ombyggnader; Reparationer, underhåll i hemmet; Reparation, underhåll av fordon; Reparation, underhåll av annat; Ospecificerat

underhåll; Tillsyn och hjälp till barn; Hjälp med läxlåäsning; Lek med barn; Samtal med barn; Högläsning för barn; Föräldramöten mm; Närvaro vid barns aktiviteter; Annan omsorg om barn; Hjälp till vuxna i eget hushåll; Hjälp till barn i andras hushåll; Annan hjälp till andras hushåll; Besök av patient på sjukhus; Inköp av dagligvaror; Inköp av andra varor; Medicinsk behandling utom hemmet; Arenden, offentliga inrättningar; Andra och ospecificerade ärenden; Annat hemarbete; Resor i samband med hemarbete

- **Market work activities:** Ordinarie arbete i huvudyrke; Övertidsarbete i huvudyrke; Bisyssla, extraknäck; Annan tid på arbetsplatsen; Arbetsresor

- **Year:** 2000

- **Source:** Statistics Sweden

- **Available at:** <http://www.scb.se/statistik/le/le0103/2003m00/le99sa0301.pdf>

- **Accessed:** 9/15/2014

- **Household work activities:** same as in 1990

- **Market work activities:** same as in 1990

- **Year:** 2010

- **Source:** Statistics Sweden

- **Available at:** http://www.scb.se/statistik/_publikationer/LE0103_2010A01_BR_LE123BR1201.pdf

- **Accessed:** 9/15/2014

- **Household work activities:** same as in 1990

- **Market work activities:** same as in 1990

8.33 Taiwan

- **Year:** 1987*, 1990*, 1994*

- **Source:** Directorate-General of Budget, Accounting and Statistics, Central Taiwan Division: *Time Utilization Surveys 1987, 1990, 1994*

- **Household work activities:** Houseworks or kid raising; Shopping

- **Market work activities:** Commutation on the road; Working

8.34 UK

- **Source:** Centre for Time Use Research: Multinational Time Use Studies
- **Year:** 1961*, 1974*, 1983*, 1987*, 1995*, 2000*, 2005*
- **Household work activities:** Food preparation, cooking; Set table, wash/put away dishes; Cleaning; Laundry, ironing, clothing repair; Home/vehicle maintenance/improvement, collect fuel; Other domestic work; Purchase goods; Consume personal care services; Imputed personal or household care; Consume other services; Pet care (other than walk dog); Physical or medical child care; Teach child a skill, help with homework; Read to, talk or play with child; Supervise, accompany, other child care; Adult care; Gardening/forage (pick mushrooms), hunt/fish; Walk dogs; Child/adult care-related travel; Travel for shopping, personal or household care
- **Market work activities:** Paid work - main job (not at home); Paid work at home (main, second or other job); Second or other job not at home; Unpaid work to generate household income; Travel as a part of work; Other time at workplace; Travel to or from work

8.35 Uruguay

- **Year:** 2007*
- **Source:** Instituto Nacional de Estadística: *Encuesta continua de hogares, Uso del tiempo y trabajo no remunerado*
- **Household work activities:** Preparar o cocinar alimentos; Servir la comida, poner la mesa, levantar y/o lavar los platos; Hacer la limpieza o el arreglo general de la casa; Lavar, doblar, planchar o acomodar la ropa de los miembros; Comprar alimentos, bebidas, artículos de limpieza, etc.; Comprar vestimenta para sí mismo o para algún miembro del hogar; Cuidar mascotas (perro, gato, pájaros, peces, etc.); Recoger agua, leña, frutas, etc., exclusivamente para el hogar; Cuidar o criar animales o realizar algún cultivo; Hacer alguna reparación eléctrica, sanitaria, trabajos de albañilería, etc., para este hogar; Realizar algún pago relacionado con las cuentas de la vivienda; Trasladarse para realizar algún trámite, pago de cuentas o reclamo de servicios de la vivienda; Dar de mamar o de comer a algún niño/a pequeño/a del hogar; Bañar o vestir a algún niño/a pequeño/a del hogar;

Llevar o recoger a algún niño/a pequeño/a a la guardería, jardín o escuela; Llevar a algún niño/a a un centro de salud o similar; Ayudar en las tareas escolares; Jugar con algún niño o niña del hogar; Llevar de paseo a algún niño/a del hogar; Dar de comer o ayudar a hacerlo; Bañar, asear, vestir, arreglar o ayudarlo a hacerlo; Administrar medicinas; Acompañarle al servicio de salud; Llevar de paseo o hacerle compañía; Hacer alguna terapia especial o ayudarlo a realizar ejercicios

8.36 USA

- **Year:** 1965*, 1975*, 1985*, 1992*, 2003*-2012*
- **Source:** Centre for Time Use Research: American Heritage Time Use Study
- **Household work activities:** food preparation, cooking; set table, wash/put away dishes; cleaning; laundry, ironing, clothing repair; home repairs, maintain vehicle; other domestic work; purchase routine goods; purchase consumer durables; purchase personal services; purchase medical services; purchase repair, laundry services; financial/government services; purchase other services; care of infants; general care of older children; medical care of children; play with children; supervise child or help with homework; read to, talk with child; other child care; adult care; imputed personal or household care; personal medical care; gardening; pet care, walk dogs; personal or adult care travel; travel related to consumption; travel related to child care
- **Market work activities:** main paid work (not at home); paid work at home; second job, other paid work; other time at workplace; travel as part of paid work; travel to/from work + other work travel

9 Aggregation

In order to compute the average weekly hours of home production we apply the following aggregation procedure. First, we calculate the average weekly hours for different demographic groups. We consider men and women separately and 10 age bins: 15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64 years. This gives us 20 different age/gender groups. Weighting by age and gender is important because the time spent on home work varies substantially over the life cycle and is generally very different between men and women. Moreover, the observations obtained from time use surveys are generally not equally spread across all days of

the week. For example, there may be more Monday-diaries in the sample than Sunday-diaries. This is an important issue because individuals typically spend their time very differently across weekdays. Hence, using simple averages across all days of the week would likely lead to a considerable aggregation error. We account for that by calculating, for each demographic group, the average hours for an average weekday (Monday to Friday), an average Saturday and Sunday and then we aggregate to obtain the weekly average. The final step of the procedure concerns the cross-age and cross-gender aggregation to obtain the population average. We take data from the OECD on population shares by age and gender and we use these shares as weights in the aggregation.

10 Interpolation of time-use data

The time-use information for most of the countries in our sample is not available on a yearly basis. To obtain an annual time series for the hours of home work, we interpolate between the existing data points. However, we do not simply linearly interpolate, but we apply a more comprehensive approach that relies on useful outside information. For the sake of illustration, suppose that we have time use observations for the two non-consecutive years t and s , with $s > t + 1$. Prior to the interpolation, we compute from these data, and for each year, the average weekly hours spent on market work H_m , home work H_h and leisure L . We call the sum of these three broad activity groups the disposable time. In the first step, our procedure uses information on the average market hours per working-age person \bar{H}_m (taken from the Conference Board's TED database) to obtain an annual time series for H_m . This is achieved in the following manner (Table 2 illustrates this procedure with the example of the U.S. and the time use observations for 1965 and 1975):

- 1 For every $\tau = t, t+1, \dots, s$, we compute the weekly, "forward" hours implied by the change in \bar{H}_m with respect to the start year t as: $H_{m,\tau}^f = H_{m,t} * \bar{H}_{m,\tau} / \bar{H}_{m,t}$.
- 2 For every $\tau = t, t+1, \dots, s$, we compute the weekly, "backward" hours implied by the change in \bar{H}_m with respect to the final year s as: $H_{m,\tau}^b = H_{m,s} * \bar{H}_{m,\tau} / \bar{H}_{m,s}$.
- 3 We use a weighted average of H_m^f and H_m^b to obtain $H_{m,\tau} = \left((s - \tau) * H_{m,\tau}^f + (\tau - t) * H_{m,\tau}^b \right) / (s - t)$

Next, we compute the total disposable time as $T_\tau = H_{m,\tau} + H_{h,\tau} + L_\tau$ for $\tau = t, s$ and linearly interpolate between T_t and T_s to obtain a time series. Then, we derive the share of home hours in total non-market time $H_{hT} = H_h/(T - H_m)$ for t, s and linearly interpolate between the start and the end points. Finally, we obtain the annual series for home production time as $H_{h,\tau} = H_{hT,\tau} * T_\tau$ for $\tau = t, t + 1, \dots, s$.

Table 2: Interpolation of home work time

| | | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 |
|---|----------------|-------------|------|------|------|------|------|------|------|------|------|-------------|
| 1 | \bar{H}_m | 1195 | 1207 | 1200 | 1197 | 1201 | 1168 | 1144 | 1160 | 1172 | 1160 | 1114 |
| 2 | H_m^f | 32.2 | 32.6 | 32.4 | 32.3 | 32.4 | 31.5 | 30.9 | 31.3 | 31.6 | 31.3 | 30.1 |
| 3 | H_m^b | 29.3 | 29.6 | 29.4 | 29.3 | 29.5 | 28.6 | 28.0 | 28.4 | 28.7 | 28.4 | 27.3 |
| 4 | \mathbf{H}_m | 32.2 | 32.3 | 31.8 | 31.4 | 31.2 | 30.1 | 29.2 | 29.3 | 29.3 | 28.7 | 27.3 |
| 5 | T | 101 | 102 | 102 | 102 | 102 | 103 | 103 | 103 | 103 | 103 | 104 |
| 6 | H_{hT} | 0.37 | 0.37 | 0.36 | 0.35 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 |
| 7 | \mathbf{H}_h | 25.6 | 25.3 | 25.2 | 25.1 | 24.8 | 24.9 | 24.9 | 24.6 | 24.3 | 24.2 | 24.3 |

11 Extrapolation of time-use data

For some countries we extrapolate the series for H_h . This is achieved through the following sequence of steps. Suppose that the last time use observation is available for the year s and we want to extrapolate the series back until t , where $s > t + 1$. As before, we first compute $H_{m,s}, H_{h,s}, L_s$ and then use information on the average hours of work per working-age person. Table 3 illustrates the following steps for the case of the U.S. For every $\tau = t, t + 1, \dots, s$, we compute $H_{m,\tau} = H_{m,s} * \bar{H}_{m,\tau} / \bar{H}_{m,s}$, where \bar{H}_m is defined as before. Next, we compute the total disposable time in year s as $T_s = H_{m,s} + H_{h,s} + L_s$ and assumed that $T_\tau = T_s$ for $\tau = t, t + 1, \dots, s$. Then, we determine $H_{hT,s}$ as before and assume that $H_{hT,\tau} = H_{hT,s}$ for $\tau = t, t + 1, \dots, s$. Finally, we obtain $H_{h,\tau} = H_{hT,\tau} * T_\tau$ for $\tau = t, t + 1, \dots, s$.

References

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Table 3: Extrapolation of home work time

| | | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 |
|---|----------------|------|------|------|------|------|-------------|
| 1 | \bar{H}_m | 1183 | 1166 | 1168 | 1165 | 1178 | 1195 |
| 2 | \mathbf{H}_m | 31.9 | 31.5 | 31.5 | 31.4 | 31.8 | 32.2 |
| 3 | T | 101 | 101 | 101 | 101 | 101 | 101 |
| 4 | H_{h_T} | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 5 | \mathbf{H}_h | 25.7 | 25.9 | 25.9 | 25.9 | 25.8 | 25.6 |

Development Policy Research Unit (2012), Monitoring the performance of the South African labour market: An overview of the domestic work sector from quarter 2 of 2008 to quarter 2 of 2011, Fact sheet, University of Cape Town.