



Time Use Survey 2011/2012 National Classification of Activities

Session 2: Operationalization of ICATUS: the use of full diary

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Second Expert Group Meeting on Time-Use Statistics, in line with ICATUS 2016 and Other international standards innovative and Effective Ways to collect Time-Use Statistics
UNHQ, New York, USA, 20-22 May 2019





Plan

- **Morocco Time Use Survey 2011/2012 overview**
- **NCATUS and ICATUS 2016 / main differences**
- **Challenges related to the data collection mode**

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Moroccan experiences

- National Time Use Survey (NTUS) 1997 (targeting only women - 2800 women)
- NTUS 2011-2012 (targeting women, men and children)
- Sample size households:
 - 8 990 households,
 - 15 486 women and men (+ 15 y)
 - 2851 child (7 to 14 y).

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Methodology

- **Collection instrument: Full diary**
- **Time use classification: Trial ICATUS 2005 and HETUS 2008 contextualized to national needs**
- **All days of the week are well represented**
- **Reference period for recorded activities: Previous day**
- **Time interval in diary: 24-hour period diary with Open interval time (beginning /ending time and duration (hours /minutes) for each activity)**
- **Survey duration: 12 months to capture seasonal variations in activities, the school calendar and variations related to religion**
- **Data collection mode: Paper**



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National classification (1)

- Four levels hierarchical classification composed of 9 major divisions –
- 43 divisions - 100 groups and 620 classes of activities (4 digits);

Major Division	
0-1-2: Self-care and maintenance (sleep, eating, personal care and maintenance)	Physiologic and personal care needs
3: Employment and related activities <ul style="list-style-type: none"> - 31: Main occupation work with the exception of agriculture - 32: Main occupation work at agriculture - 33: Secondary occupation work - 34: Seeking work 	<ul style="list-style-type: none"> - SNA Productive activities - Paid /profit/ own use
4: Learning	Personal activities

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National classification (2)

5: Domestic work 6: Care-giving services for household members	Unpaid work
7: Culture, hobbies, mass-media and sports practices 8: Volunteer work , Socializing , communication and community participation 9: Religious activities	Personal activities

- The “travel time” classification of the trip is based on the means used and the nature of the activity for which it is carried out.
- The “waiting time” related to a given activity has been coded in the associated activity group.

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Additional information

To interpret time use patterns:

- Education levels, employment status, type of employment, and household structure...
- Specificity of the day (normal day, special day, partial work day, free day (no work/ holiday), Weekly Market Day)
- Presence of domestic workers
- Availability of household equipment (dishwasher, washing machine ...)
- Interhousehold transfers of services (received from family, friends, neighbors..., duration (H, min))

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Contextual variables related to the activity

Location: Where the respondents are when the activity occurred:

1. At home
2. At someone else's home
3. At school
4. At work place (excluding home)
5. Mobile Workplace
6. Public places (Restaurant/café, Mosque, Hospital...)
7. Other place





Contextual variables related to the activity

With whom: presence of other people when the activity occurred (care services or not)

1. On my own
2. Spouse
3. Father, mother
4. Household child (ren)
5. Other Household members
6. Other person(s) not from HH (family, friends, colleagues etc.)
7. Other household member (s) or not from HH

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Contextual variables related to the activity

The motivation behind the activity / For whom

1- Pay 2- Profit	Employment in (Corporation, government and international institutions) + (Other households enterprises) Employment in own household entrprises (to produce goods or provide services or for the market) Including production for own final HH use”
3- Self	Personnel activities
4- Household	Domestic and care services for dependent or non - dependent adults and for children (unpaid work)
5- Family	Volunteer work (copnsidered as other households)
6- Neighbors, friends	Volunteer work (other HH)
7- Association, Community	Volunteer unpaid work
8- Others	



Individuel questionnaire

To classify activities into NACTUS, each activity is described in detail and we follow the structure to find the right category (Major division, division, group and activity (4digits)).

1	2		3				4		5	6	7	8	
Activity N*	Activity		Duration of the activity				Total of duration		Location	With whom	For whom	Simultaneous activity	
	2.1 Main activity Wording	2.2 Code	Start of activity		End of activity		4.1 Hour s	4.2 Minute s				8.1 Activity Wording	8.2 Code
			3.1 Hour s	3.2 minute s	3.3 Hour	3.4 minute s							
01													
02													





Codification of activities (NCATUS) / Examples

Activity	Location	With whom	For whom/ What
<p><u>Feeding child (2-14y)</u> M.D.6: HH members care D61: Childcare (- 15 years) G 611: Child care (2-14 y) A 6121: feeding child</p>	1. Home	4. Child (ren)	4. HH
<p><u>Receiving guests (family)</u> MD 8: Socializing D 81: Reception and visits G 811: Reception and visits A 8111: Receiving parents, friends, Neighbors outside the parties</p>	1. Home	6. Other not HH members	5. Family



Codification of activities (NCATUS) / Examples

Personal care

Location

With whom

For whom

Medical Visit

M.D.2: Self and medical care

D 22: Medical care

G 222: Receiving medical care from others

A. 2221: Receiving or visiting doctor or paramedical person

6. Public place

6. Others not HH members

3. My self

Waiting

M.D.2: Self and medical care

D 22: Medical care

G 222: Receiving medical care from others

A. 2226: Waiting for medical care

6. Public place

6. Others

3. My self

Traveling /transportation

M.D.2: Self and medical care

D 22: Medical care

G 222: Receiving medical care from others

A. 2235: By car

7. Other place

1. My own

3. My self



Codification of activities (NCATUS) / Examples

Employment and related activités:

	Location	With whom	For whom
<u>Teaching in private school</u> M.D. 3.: Professional work D 31: Main professional work with the exception of agriculture G 311: Ordinary main professional work with the exception of agriculture A. 3111: Ordinary regular professional work as a profession or trade	4. Work place	6. Others	1. Pay
<u>Stopping work for a break</u> 3113:Waiting or stopping while working for break...	4. Work place	6. Others	1. Pay
<u>Traveling /transportation</u> By taxi A. 3126: public Transportation	6. Public place	1. Others	1. Pay
<u>Waiting transport</u> A. 3127 Waiting or stopping interrupts the navigation process	6. Public place	1. own	1. Pay



Codification of activities (NCATUS) / Examples

Employment in household enterprises to provide services

Driving own Taxi

M.D. 3.: Professional work
 D 31: Main professional work with the exception of agriculture
 G 311: Ordinary main professional work with the exception of agriculture
 A. 3111: Ordinary regular professional work as a profession or trade

Location

5. Mobile workplace

With whom

6. Others

For whom

2. Profit

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Type of activities captured under employment

Household roster questionnaire

Individual Q

	Type of employment	Occupation	Establishment activity	Occupation status	Sector	Activity codification
	Unemployed (has worked before or not)					MD3- D34: Seeking work
Eligible person	Employed	Detailed description of the occupation last 7 days In order to classify into Analytical Classification of occupations (4 digits) Based ISCO 2008 (for the main and de secondary activity)	Moroccan Classification of Economic activities 2010 (4 digits) Based on the ISIC rév.4 (D 98 : Household production of goods and services for own use)	- Wage employment • Non-agricultural • Agricultural	- Public - Private * Formal * Informal - Others HH	MD3- D 31: Professional Work MD3- D 32: Agriculture MD 3- D33: Secondary work
				- Self-employed with employees /as • Non-agricultural • Agricultural - Self-employed without employees • Non-agricultural * Agricultural	- Formal - Informal * HH	
				- Contributing family • Agricultural • Non-agricultural - Apprentice worker	- Informal * HH * Others HH	
				- Domestic employee	* Others HH	
				- Other		

Inactive: - Homemaker - Student/pupil – Retiree – Annuitant – Disabled - Child- Elderly- Other



NACTUS 2011-2012/ ICATUS 2016: main differences

NCATUS 2011/2012	ICATUS2016
9 MD– 43 D – 100 G	9 MD – 56 D – 165 G

Employment

NACTUS 2011/12 does not allow to differentiate:

- Employment in corporation government and non-profit institutions from employment in household enterprises
- Between activities production of goods or services for own final use from those for pay or profit or for market
- Activities related to setting up a business
- Unpaid Trainee work and related activities

Domestic and care services

- Unpaid domestic/services care for family members is considered as a voluntary work for other households like neighbors , friends...

To be capture in the next rebasing, NTUS 2020/2021 which will adopt ICATUS 2016

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Challenges related to the data collection mode

- Respondents have difficulty to memorize with accuracy the time spend on the activity (beginning and ending time) because of the illiteracy or the lack and limited use of timepieces at home and the perception of time that differs according to people: age, and sociocultural contexts.
 - *we try to help them to remember the time of beginning or end of the activity by referring to some usual time references such as the calling time prayer, broadcast times of some popular TV or radio programs or time of departure or return to/from work or school of some household member ...*
- In simultaneous activities, the duration of an activity reported by the respondent as a secondary is longer than the duration of the primary activity, *in which case the first one is considered as a primary activity.*





Difficulties

Difficulty related to contextual information

- For whom: Difficulty to specify the motivation behind some confused activities
E.g., Palying with child, conversation with others, reception (for own pleasure or for others?)
E.g., fishing, gardening... kind of activities done for own use and for own pleasure at the same time
E.g., When a home help practices an unpaid professional work, is this activity regarded as made for the family or against a benefit?
- The question "With whom?" Must be well defined to be able to distinguish whether the other person should participate or not in the declared activity even if passively.

Difficulty related to instrument mode

- To measure the effective time spent on professional work
- To distinguish the time dedicated to production for own use from that dedicated to production intended for the market

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