



Time use surveys

Modernizing Time use surveys, in line with ICATUS2016

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Introduction

- Costly

- High respondents' burden

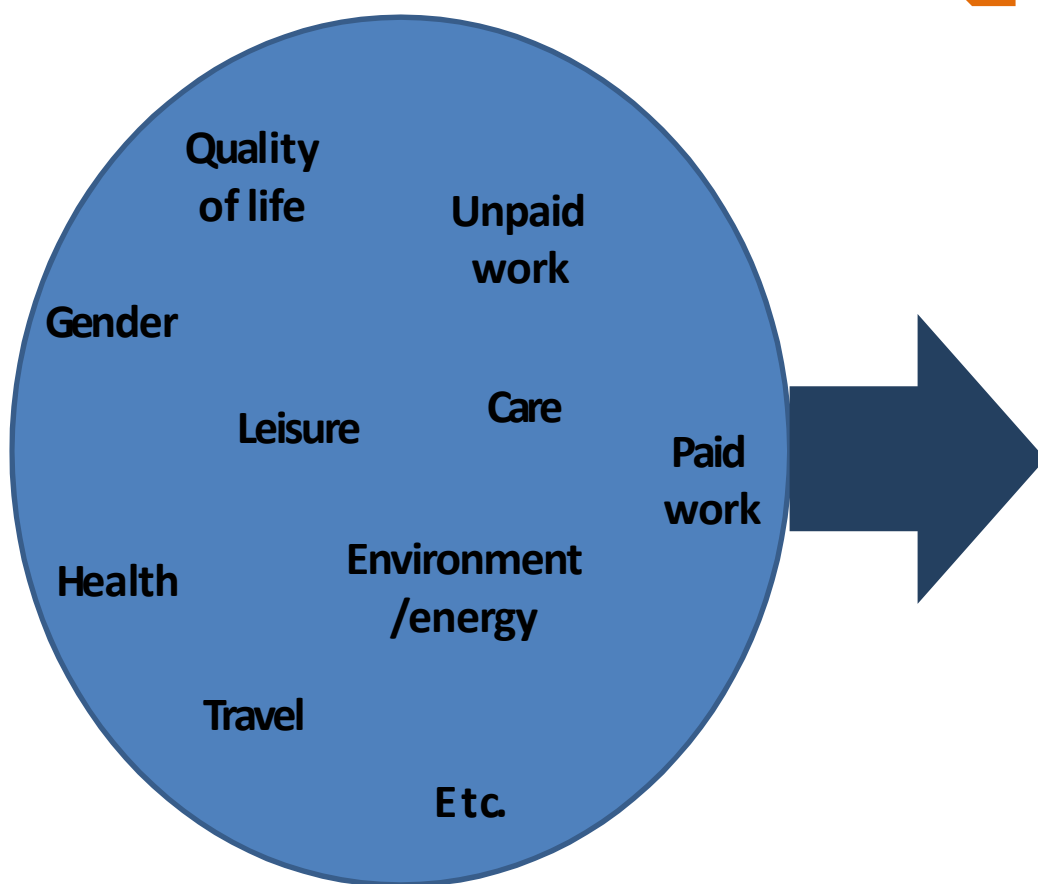
- Low response rates



- Not fully utilized

□ We use time-use data

□ How can we produce time-use data more efficiently?





INSTRUMENTS



Full time diary: 57

Light time diary: 9

Questions:22

Day 1		6 pm - 9 pm	
What were you main activity? (What most of activities, even if only lasted a few minutes)	Who did you do it with? (If any, write down the name, a clearly given name)	What else were you doing at the same time? (If any, write down the name, a clearly given name)	Where were you? (If any, write down the name, a clearly given name)
6.00	Woke up and went to school	Family	Home
6.15	Did training for football	Family on law	Home
6.30	Went to school	Self	Self
6.45	Did to go to school	Family	Home
7.00	Did to go to school	Family	Home
7.15	Did to go to school	Family	Home
7.30	Did to go to school	Family	Home
7.45	Did to go to school	Family	Home
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22.15	Did to go to school	Family	Home
22.30	Did to go to school	Family	Home
22.45	Did to go to school	Family	Home
23.00	Did to go to school	Family	Home
23.15	Did to go to school	Family	Home
23.30	Did to go to school	Family	Home
23.45	Did to go to school	Family	Home
24.00	Did to go to school	Family	Home

Можно вас до уштедне одговоришту шафери на месту или привојеном средству:					1 2 3 4 5 6 7 8 9 10				
					4:00	6:00	8:00	10:00	12:00
код куће	1	називају другега постоје							
код куће	2	показује	4	различне пројекције	5	1 2 3 4 5 6 7 8 9 10			
код куће	3	показује	4	друга постојећа средстава					
кућа	4	називају осталима			4:00	6:00	8:00	10:00	12:00
називају	5	показује од различитих странаг деловања							
називају	6	1) Сликање							
називају	7	Умешавање и објашњење							
називају	8	1) Сликање							
називају	9	1) Сликање							
називају	10	1) Сликање							
називају	11	1) Сликање							
називају	12	1) Сликање							
називају	13	1) Сликање							
називају	14	1) Сликање							
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називају	27	1) Сликање							
називају	28	1) Сликање							
називају	29	1) Сликање							
називају	30	1) Сликање							

[illegible]

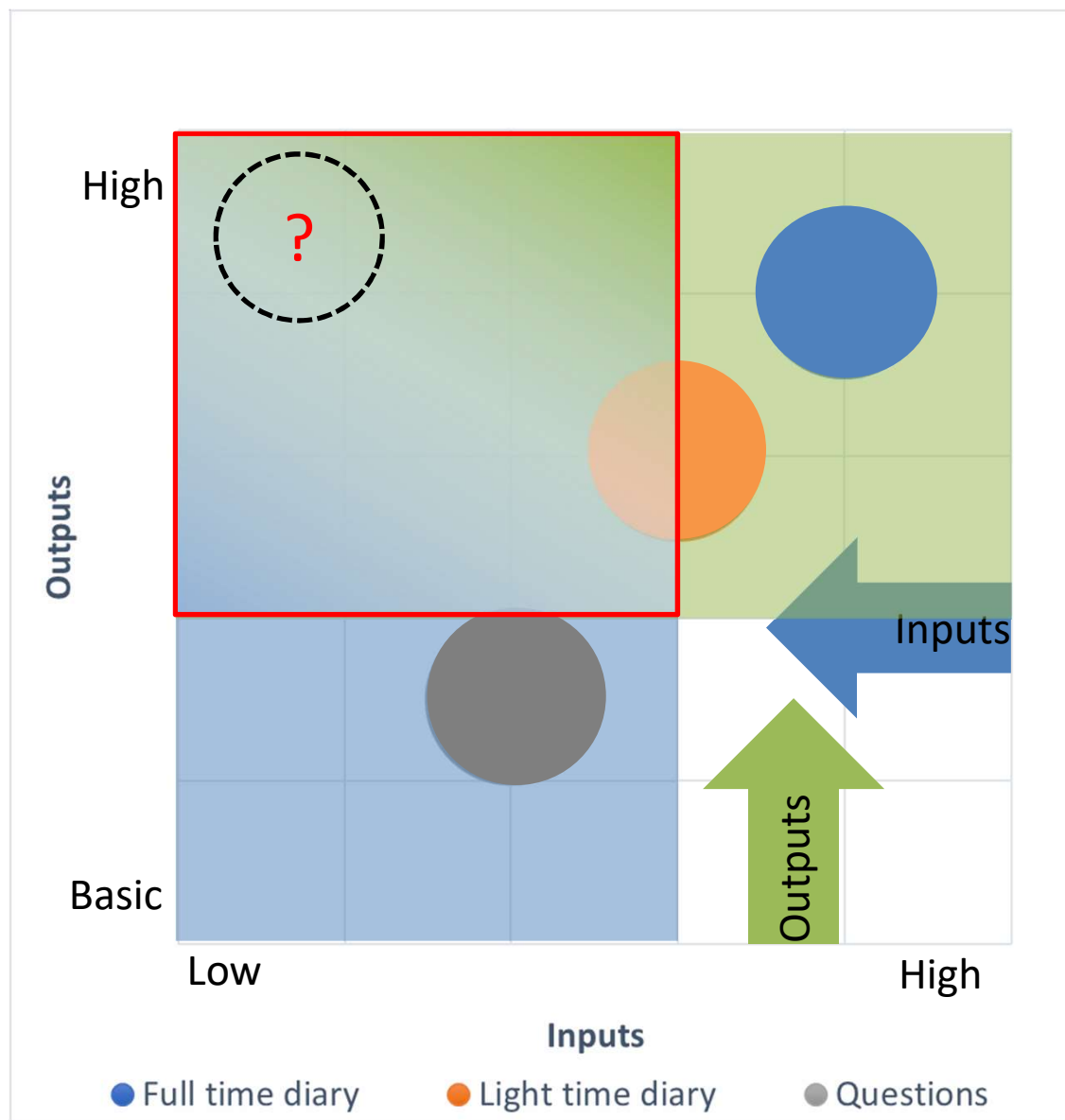
Time use instruments requirements



		Full diary	Light diary	Questions
I N P U T S	Cost	+	-	-
	Processing data	+	-	- -
	Respondents' requirements	+	+/-	-
O U T P U T S	Data quality	+	+	- -
	Data granularity	+	-	- -
	Data usability	+	-	- -



Time use instruments



How can we optimize:

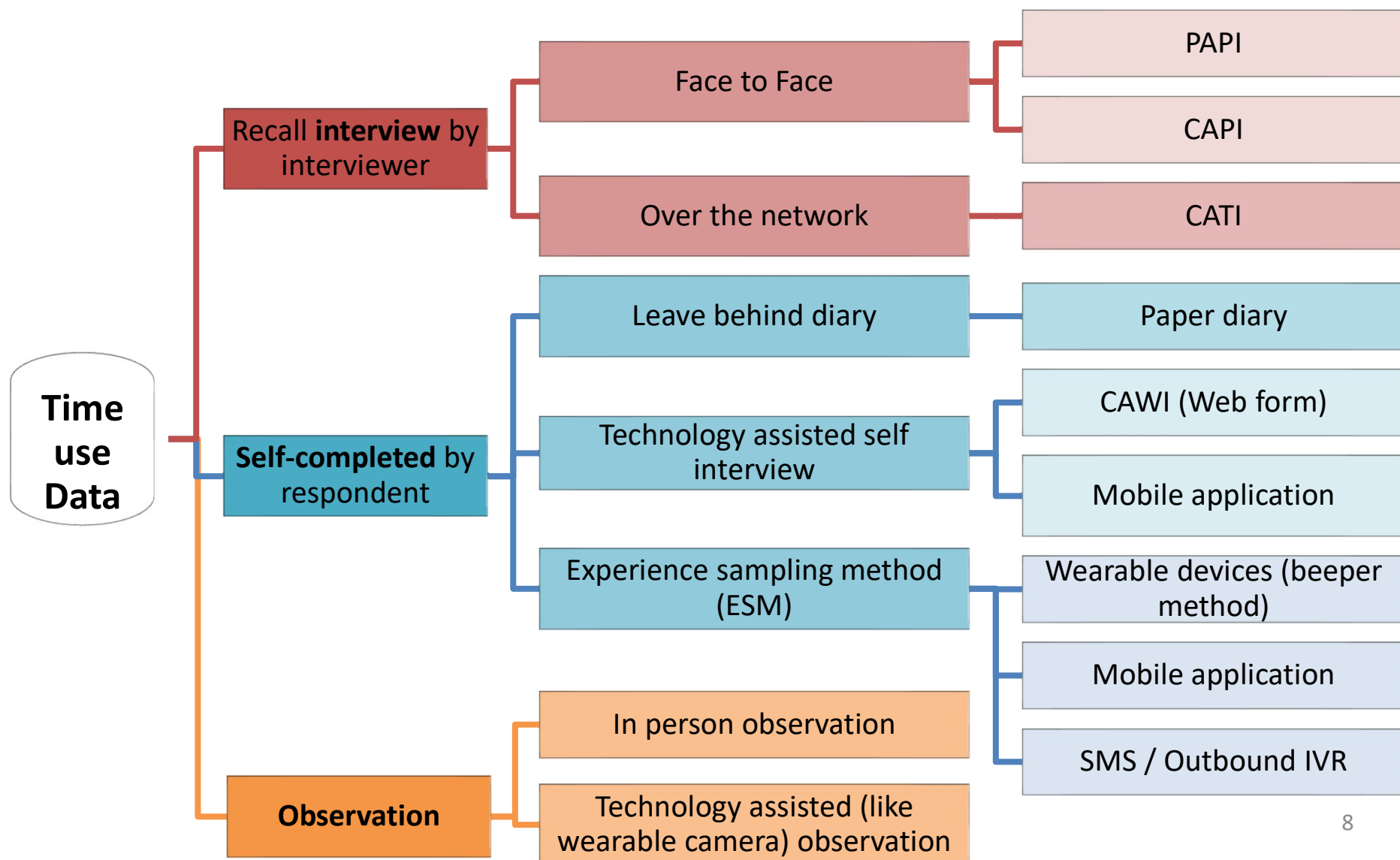
- Reduce inputs
- Keep high outputs



Data collection MODES



Classifying TUS data collection modes





Mixed mode – It's a strategy

- Mixed-mode in data collection try to combine the best of all possible worlds by exploiting the advantages of different modes and compensate for their weaknesses at an affordable cost(De Leeuw 2005).

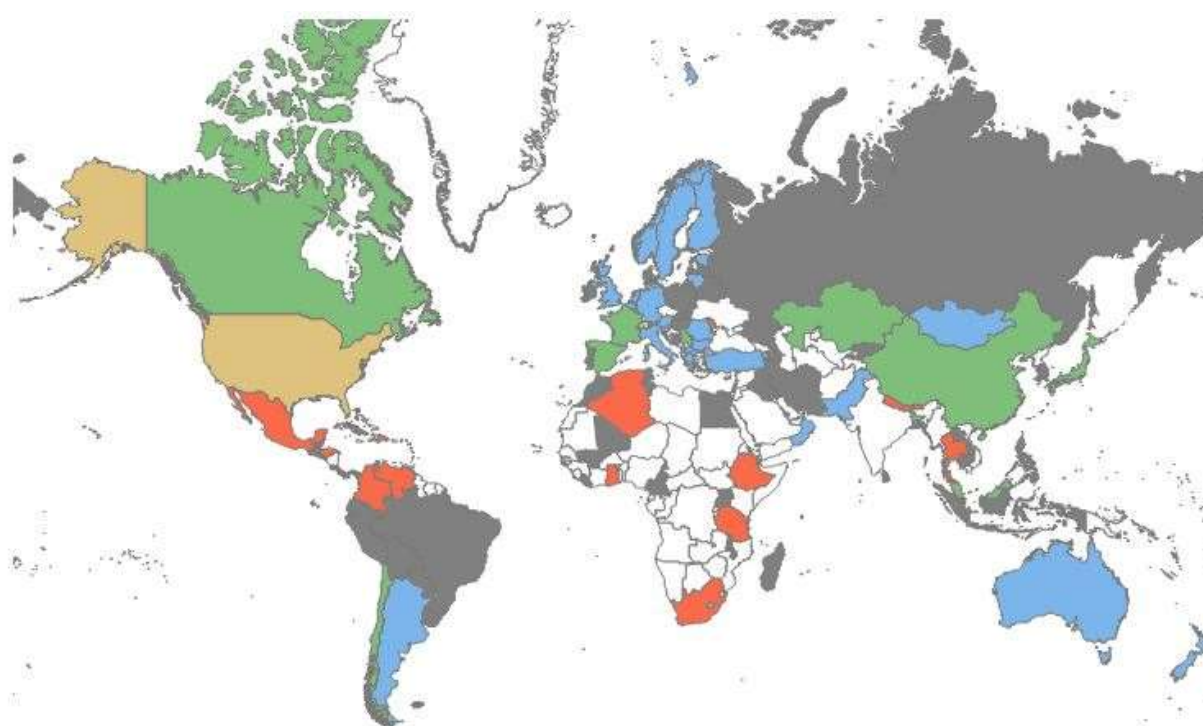
Advantages

- Improve response rate, overall coverage, data quality
- Reduce cost, time

Limitations

- Mode effect? (different way respondents may answer same question across mode)
- Need to test data integration from multiple modes

Snapshot of modes used by countries



[Self-administered Paper diary]

31

[Face to face Interview]

15

[Mixed]

10

[CATI]

2

[Not identified yet]

47

10

Disclaimer: The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Conclusions



				Instruments		
				Full diary	Light diary	Questions
Modes	Recall Interview	Face to face	PAPI			
			CAPI	<div>Profile 3: Low literate Rural</div> <div>tech working age (Lost trust in tech)</div>		
		Over the network	CATI			
	Self completed	Leave behind	Paper			
		Technology assisted self interview	CAWI (Web form)	<div>Profile1: High literate urban high-tech working age (concurrent)</div>		
			Mobile app			
		Experience sampling method	Wearable devices	<div>Data quality check / in-depth small scale studies</div>		
			SMS / IVR			

⇒ Update UN guidelines to collect time-use data
+ provide assistance to countries



Thank you!

<http://unstats.un.org/unsd/gender/default.html>