





CHILDREN – AS RESPONDENTS IN TIME USE SURVEY



Eszter Virágh, Chief Statistical Advisor Hungarian Central Statistical Office, Methodology Department Budapest, 24. October 2018

CHANGE OF CHILDREN'S IMAGE IN THE HISTORY

"Children portraits are a reflection of how a society thinks about their kids!"

(Trond Waage, ombudsman of the former Norwegian Children Centre)

Children in the Middle Ages (12-13th century):

ugly, old-looking babies, infant Jesus as principal image

16-17th century:

Miniature adults

18-19th century:

children as part of the development of society; future-makers; autonomous beings; children's rights; Industrial Revolution – realistic presentation

20th century:

Impressionists placed childhood center stage; Modern art: happy, playful, self-conscious but childish appearance IATUR Conference



MAIN METHODS USED IN TIME-USE-SURVEYS

- Quantitative methods: many cases but exploring only on the surface
- Qualitative methods: limited in size but deep-digging the problems

OBSERVATION METHODS

Full or Spot Sampling

INTERVIEWS

Questionnaire or Guidelines



CREATIVE METHODS

SELF-REPORTING METHODS

Diary: concurrent or retrospective, Experience Sampling



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Drawing, story-telling, index cards to select/ order/ rank activities



GOALS AND EXPECTATIONS OF THE HUNGARIAN TESTING PROGRAMME



EUROPEAN COMMISSION EUROSTAT Directorate F: Social statistics **EUROSTAT GRANT FOR 2016**

EUROSTAT UNIT: F.4

OBJECTIVE: 07.1.41 – Household budget surveys and time use survey

TITLE: Preparatory work to revise the harmonised European Time Use survey for the implementation in the round 2020

Main goal of the Hungarian pilot study: to find the specialities of the target group (children 8-15 years) for the development of the 2020 Time Use Survey

- To get more information about **special children activities** + how they **call** it
- To create a **child-specific activity coding list** and questionnaire + **new activities**
- Can children be primer respondents?
- Can they precisely **remember and chronologically recall/ report** the daily events?
- To test the distinction between online/offline activities

4 How do they express their feelings? The subjective evaluation (well-being)

METHODS USED IN THE HUNGARIAN PILOT TESTING PROGRAMME

2 methods for 60 participants:

- 20 <u>Personal interviews</u> in the Library of HCSC
 Parental presence in some interviews
- 5 Focus groups in schools (x 8 participants)
- Both combined: completing the **diary** + **exercises**, playful tasks
 - 2 ways to answer and fill out the diary:
 - administered by an <u>interviewer</u> or
 - by themselves:
 - using a paper-diary or
 - online <u>application</u> on tablet/smart phone.







TECHNIQUES USED IN THE HUNGARIAN PILOT TESTING PROGRAMME (1.)

 to <u>draw</u> the favourite activities on a blank paper (only for little children)

- to <u>select</u> from pictures of activities (good assistance tool to support retrospective memory)
- to <u>tell</u> about the most desired activities: "What would you do on a free day that is to your taste?" (good warming up exercise!)

•"<u>secret box</u>" – to drop in activities they don't want to tell other people – (not often used)





TECHNIQUES USED IN THE HUNGARIAN PILOT TESTING PROGRAMME (2.)

- traditional "<u>diary table</u>" to log in chronology yesterday's activities – (most boring, exhausting task!)
- <u>selection</u> technique: to identify the **longest/shortest** activities in minute – (better than scheduling the day)
- "<u>well-being ruler</u>" (5 and 11 scale) with coloured emoji to grade their feeling (easy exercise!)
- •<u>ranking</u> exercise: to put in order the activities beginning from the most favourite – finishing with the least preferred one (made fun, better than monotonous grading).







playing basketball

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MAIN FINDINGS: WHICH DATA COLLECTION METHOD FIT CHILDREN? (1.)

1. Traditional diary logging system or other approach?

- Findings: Difficult for younger children. Tiring, boring, exhausting. Many activities forgotten and later corrected.
- Suggestions: important activities (routines) should be asked separately, thematically (when and how often?)

2. Traditional questionnaire: question/answer or other techniques?

- Findings: Monotonous, tiring, lost concentration, but worked
- Suggestions: to apply a variety of methods (fun tasks, visual aids, imaginative questions). To use softer, attractive, qualitative methods e.g. deep interviews only by guidelines and with funny tasks.

MAIN FINDINGS: WHICH DATA COLLECTION METHOD FIT CHILDREN? (2.) 3. Self-reporting or interviewing method?

- Findings: Only younger children had difficulties to fill the diary alone. Older could, but preferred to respond an interviewer.
- Suggestions: For younger children need for interviewer assistance. For older: opportunity to choose (self-reporting or interview)

4. Paper based diary or electronic application?

- Findings: Older children recorded faster the electronic diary on tablet, but found monotonous, preferred paper diary (clear, easy to handle). Younger not able to handle application.
- Suggestions: to develop easy usable application. 4 Officer Conference





MAIN FINDINGS: PERCEPTION AND INTERPRETATION OF TIME How do children think about time? Can they think in chronology

- Findings:
 - Could follow the flow of the day, but not always able to give the accurate starting/finishing time; slipped in time
 - Think not in time-structure but in event-structure, recalled the most interesting things of the day ("Yesterday we went to church...celebrated mom's birthday....")
 - Subjective dimension of time perception: forgot/underestimated length of dull, routine act. (eating, learning, hygiene), overestimated pleasant activities (friends, computer, pets)
- Suggestions:
 - to ask along a thematic timeline, thematic questions:
 When and how often did you eat yesterday? What did you do after school?
 - separate group of questions related to: routine/ unpleasant activities
 - to motivate memory by visual means (pictures, figures)



MAIN FINDINGS: SPECIAL ACTIVITIES – NEED FOR SPECIAL WORDING?

Can children use the traditional activity list?

- Findings: some activities not to find in the activity list (examples):
 - They don't identify **household duties** with "work". Instead: "**help at home**, help the parents, support, assistance".
 - Special language (jargon, slang) for computer and other electronic devices: "to chat, viber, FB, twit, insta, movie, compute, mail, game, phone,"
 - Favorite activities troublesome to generalize and find in the multistep category list: dog care, computer games, out of school activities
- Suggestions:
 - favorite activities to directly name instead of multistep category
 system : "pet care, dog walking, feeding, computering, chatting, playing outside/inside...."
 - separate category for "Computer/electronic activities and games" with child jargon



MAIN FINDINGS: SUBJECTIVE EVALUATION OF ACTIVITIES

How do children feel and how they express it?

- Findings:
 - "well-being ruler" with emoji was a popular tool (easy, quick)
 - 5-scale worked better than more scaled rulers (7, 11)
 - Textual evaluation precise but long, unfamiliar
 - They often feel bad during school activities
- Suggestions:
 - use 5-scale evaluation with figures + visual aids
 - explore more detailed **school activities** and

• highlight the **background of** + – **feelings** IATUR Conference



MAIN CONCLUSIONS

- Children can be direct respondents parents as proxy would cause inaccurate data.
- *"Time diaries as a method on their own are not adequate to capture the complexities of children's time use"*: combination of quantitative + qualitative approaches
- Children are aware of time but make mistakes in order and duration
- Thematic approach brings more result than chronological technique of the transformer of
- Special language, expressions (jargon) should be used.
- To motivate, attract children's' attention and keep concentration:
 - variety of questioning (funny, interesting, playful tasks,)
 - A big variety of visual aids, demonstration tools should be used (progress chart, outcomes, interactive charts...)
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Children's research should use quite different approaches! Let's start to apply a big variety of them!

The Hungarian interactive chart with the results of the last TUS in 2009-10

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http://www.ksh.hu/interaktiv/idomerleg/animacio.html#?lang=en&colors=act&dataset=FULL_POPULATION



Thanks for your kind attention! Eszter Virágh, from the Hungarian Central Statistical Office

