



Children of Immigrants Longitudinal Survey in Four European Countries: 6th Meet the Data Workshop

Meet the Data CILS4EU: New Data

25th September 2024

Overview

1. Campus Use File

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- Content
- Differences to SUF

2. CILS4NEPS Data Harmonisation Project

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- Comparability NEPS SC4 and CILS4EU
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- Data Access & Outlook

Meet the Data CILS4EU: New Data

Overview

3. Wave 10 CILS4EU-DE

- Start & Sample Sizes
- Contents
- Release Date

4. Q&A

Meet the Data CILS4EU: New Data

1. Campus Use File

Meet the Data CILS4EU: New Data

Campus Use File - Availability

- Make CILS4EU data available as a teaching resource
 - Methodological: Longitudinal data analysis, multilevel data analysis, social network analysis → Available soon: Cross-country analysis
 - Substantial: Migration & integration, life course transitions
 - For individual BA/MA theses or bigger seminars
- Usable by **all students**, including undergraduates (who cannot use the scientific use files)
 - Only requirement: More senior scholar with an institutional affiliation that supervises → you need to fill out the [data use agreement](#)
 - Data are free of charge
 - If you want to publish in a journal, re-do with the scientific use file

Meet the Data CILS4EU: New Data

Campus Use File – Content

Essentially: CILS4EU wave 1-3 (Germany only; the Netherlands, Sweden and England will be available in October 2024) data with some restrictions

- *W 1-3 “youth main” data:* Covers a variety of topics, almost everything from (reduced version) of SUF
- *W1 & W2 “youth classmates” data:* Full classroom networks
- *W1 & W3 “youth friends” data:* Characteristics of 5 best friends
- *W1 “youth achievement” data:* Language test & cognitive test sum index

Plus: Tracking dataset, w1-3 documentation materials, CUF-specific documentation materials (also available to download [online](#))

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Campus Use File – Expansion

- Harmonised variables on educational aspirations are included
- Country-specific variables are included as long as similar information is available in at least one other country (e.g., attitudes towards out-group, interethnic contact etc.)
- Variables that are available in at least two countries are included
- Variables included in CUF-DE stay in the expanded version even if they are only available in Germany

Campus Use File – Differences to SUF

For data protection reasons we had to adapt the data for the CUF

❖ **Restricted sample**

- Only respondents who ***participated in all three waves***
 - ***Smallest*** and ***largest classes dropped*** from the sample
- N = 2,498 students nested in 159 classes in 97 schools in Germany (Berlin dropped)
 - N = 1,789 students nested in 126 classes in 77 schools in England
 - N = 1,839 students nested in 138 classes in 75 schools in the Netherlands
 - N = 1,864 students nested in 184 classes in 111 schools in Sweden

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Campus Use File – Differences to SUF

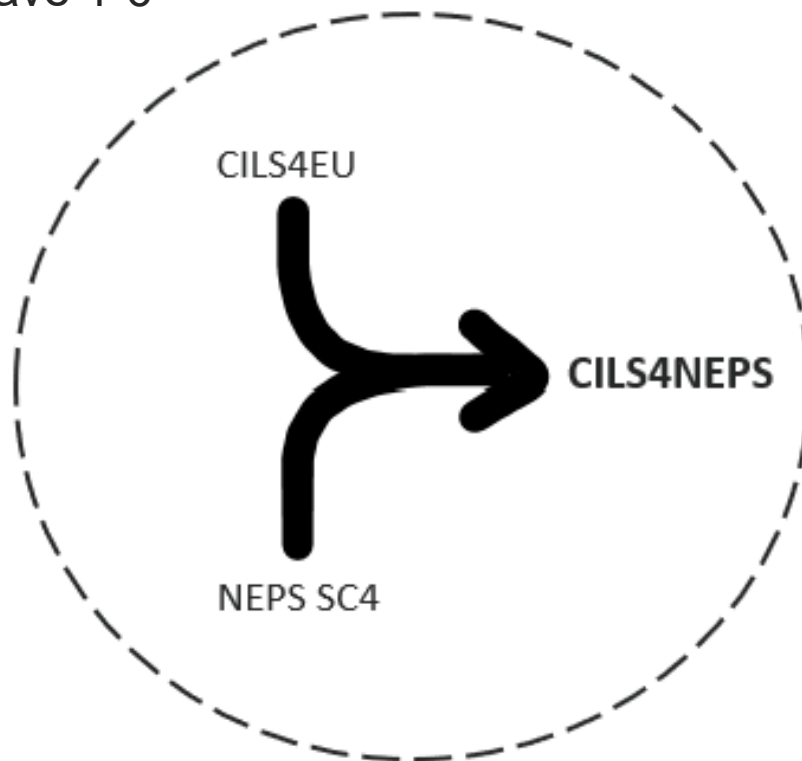
- ❖ **Some variables from SUF not available in CUF**
 - Most notably: No country of origin in CUF
 - Documentation materials for SUF included in CUF package
- ❖ **Some variables** (including youthid) **in CUF differ** from the SUF version (see [codebook](#) Appendix B)
- ❖ **Some variables** are recoded in CUF for data protection reasons, comparable across four countries

2. CILS4NEPS

Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 - Overview

- Harmonised dataset that combines:
 - CILS4EU, Wave 1-3 & National Educational Panel Study – Starting Cohort 4 (NEPS SC4), Wave 1-6
- Ex-Post Harmonisation



Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 - Overview

Why?

- Higher sample sizes for national analyses (e.g., social groups & events)
- Higher generalizability
- International comparability of NEPS SC4

Who?

- Mannheim Centre for European Social Research (MZES) & Leibniz Institute for Educational Trajectories (LIfBi)
- KonsortSWD, FMD Grant

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CILS4NEPS v1.0 - Comparability



CILS4EU W1-3

NEPS SC4 W1-6

2010 in Grade 9

Start

2010 in Grade 9

Germany, UK, the Netherlands, Sweden

Countries

Germany

GE: ~ 5,000 adolescents in wave 1, Internat.: 19,000

Respondents

~ 15.500 adolescents in wave 1

In school-context administered by IEA-DPC until wave 2

Administration

In school-context administered throughout by IEA-DPC

NEPS sampling frame but different schools

Sampling frame

NEPS sampling frame

Same share of persons with and without a migration background

Features

Large sample of the target population in all German states

Comparability across countries: Comparable data, design, and operationalizations in w1-3 for all four countries

Focus on competence tests in the areas of languages, math, life science, and cognitive problem-solving

Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 - Sample Size & Contents

- GE: 20,608 participants; Total: 35,276 participants
 - Wave 1: 12,372 with migration background | 21,904 without migration background
- 110 harmonised variables (70 observable, 40 latent)

Socio-demographics

Household situation

Migration history

School performance and attitudes

Future plans

Economic Situation

Current situation

Romantic and family relationships

Language proficiencies

Identity, Religion & Religiosity

Leisure time activities

Well-being/Health

Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 - Contents I

Socio-demographics

Sex

Date of birth, month & year

Mother's & Father's education

Mother's & Father's employment status

Mother's & Father's occupation: ISCO-08

Household situation

Household members:

Mother (biological, adoptive, foster)

Father (biological, adoptive, foster)

Stepmother / Stepfather

Siblings or Stepsiblings

Grandparents

Other family/persons

Household size

Migration history

Born in survey country

Age at migration

Country of birth: mother & father

Stay tendency

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CILS4NEPS v1.0 - Contents II

School performance & attitudes

Subjective school performance:

Math & survey country language

Grade:

Math & German & English

Repeated school year

Idealistic educational aspirations

Realistic educational aspirations

Parents' educational aspirations

Self-efficacy:

Do well at school

Good grades

Status attainment compared to parents

Help from teacher

Success probability at:

Lower secondary school

Intermediate secondary school

Upper secondary school

Future Plans

Idealistic & realistic aspiration after school

Application status

Altruism in job

Economic situation

Side job / mini-job

Monthly pocket money

Own a computer

Own room

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CILS4NEPS v1.0 - Contents III

Current Situation

Graduation grade

Current grade at school

Current school types

Apprenticeship ISCO-08

Apprenticeship success probability

Number of applications

Job/apprenticeship search

Language

Language proficiency survey country:

Speaking, Comprehend, Read, Write

Second language

Language proficiency survey country:

Speaking, Comprehend, Read, Write

Romantic Relationships

Currently dating/partnership

Migration background partner

Partnership duration

Children in future

Family relations

Parental encouragement school achievement

Family communication:

Frequency of discussing political/social issues

Frequency of discussing movies/ TV shows

Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 - Contents IV

Identity & Religion

Host country identification

Ethnic identification

Religious affiliation

Importance of religion

Well-being & Health

Life satisfaction

School satisfaction

Self-esteem: good qualities

Subjective health

Height in cm

Weight in kg

Sport frequency

Leisure time activities

Club membership

Frequency of computer games

Number of books

Generation & Ethnic origin

Generation status up to 3.75th (NEPS & CILS)

Generation status up to 3. 5th (NEPS & CILS)

Group / country of origin (NEPS & CILS)

Missing / contradicting information for generation status (NEPS & CILS)

Missing / contradicting information for country of origin (NEPS & CILS)

Weights

Cross-sectional & panel weights

Wave indicators

3 waves / 6 waves

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CILS4NEPS - Harmonisation Process

5 steps (cf. Granda, Wolf and Hadorn, 2010; Singh, 2021):

- 1) Identify datasets
- 2) Identify similar questions in source questionnaires
- 3) Define target variables
- 4) Decide for and define harmonisation strategy
- 5) Map routines

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CILS4NEPS - Harmonisation Process I

1) Identify and prepare datasets

- CILS4EU: wide-format → long-format

	2010/11		2011/12		2012/13	
NEPS SC4	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5	Wave 6
CILS4EU	Wave 1		Wave 2		Wave 3	

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CILS4NEPS - Harmonisation Process II & III

2) Identify similar questions in source questionnaires

- Variable name, question wording, answer categories, wave, respondent group
- Classification of variables

(almost) similar

similar construct

not available

3) Define target variables

- Assess comparability of variables (Wolf et al., 2016; Granda, Wolf and Hadorn, 2010; Hoffmeyer-Zlotnik, 2008):

- Similar construct?
- Observable or latent?
- Similarity of answer categories?



Harmonisation strategy

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CILS4NEPS - Harmonisation Process IV

4) Decide for and define harmonisation strategy

A) Matching

- Observable variables
- Merging of answer categories (recoding, combinations)

B) Linear Equating

- Latent constructs
- Execution via weighted frequency tables

Example: Academic self-concept: Good in school

CILS4EU *How much do you agree/disagree with the following statement? – I am certain that I can be good at school.*

	Original answer categories		N	Harmonised answer categories	
	1	totally agree	8,594	1	totally agree
	2	agree	8,950	2	agree
	3	neither agree nor disagree	886	3	neither agree nor disagree
	4	disagree	135	4	disagree
	5	totally disagree	50	5	totally disagree

NEPS SC4 *How do you assess yourself in school? – I am good in most subjects.*

	1	completely true	295	0.57	
	2	true	3,682	1.43	
	3	rather not true	8,806	2.29	
	4	not at all true	2,542	3.15	

CILS4NEPS - Harmonisation Process V

5) Map routines

- Detailed documentation material available to data users:
 - Codebook
 - Technical report
 - Coding Table
 - Overview table
 - Do-Files for data harmonisation
 - Linear equating template

CILS4NEPS v1.0 – Dataset Structure

Name	Label
H_dtset	H: Dataset Information
H_wave	H: Harmonized wave indicator 1-6
H_wave2	H: Harmonized wave indicator 1-3
H_ID	H: CILS4EU(8-digit) & NEPS_SC4(7-digit) ID
H_trackingC	H: Tracking variable: CILS4EU waves
H_trackingN	H: Tracking variable: NEPS SC4 waves
H_filter_balanced	H: Filter: Participation in all waves
H_sx	H 1: Sex Indicator
H_dobm	H 2: Day of birth, Month
H_doby	H 3: Day of birth, Year
H_hhm1	H 4: Household members: Biological mother, adoptive mothe...
H_hhm2	H 5: Household members: Biological father, adoptive father,...
H_hhm3	H 6: Household members: Stepmother
H_hhm4	H 7: Household members: Stepfather
H_hhm5	H 8: Household members: Siblings and/or Stepsiblings
H_hhm6	H 9: Household members: Grandparents
H_hhm7	H 10: Household members: Other family members
H_hhm8	H 11: Household members: Other persons
H_hhm9	H 12: Household size
H_edum	H 13: Mother's education (broad)
H_eduf	H 14: Father's education (broad)
H_empsm	H 15: Employment status mother
H_empsf	H 16: Employment status father
H_ocmisco	H 17: Occupation mother ISCO-08
H_ocfisco	H 18: Occupation father ISCO-08
H_counSC	H 19: Born in Survey Country
H_miga	H 20: Age at migration

Meet the Data CILS

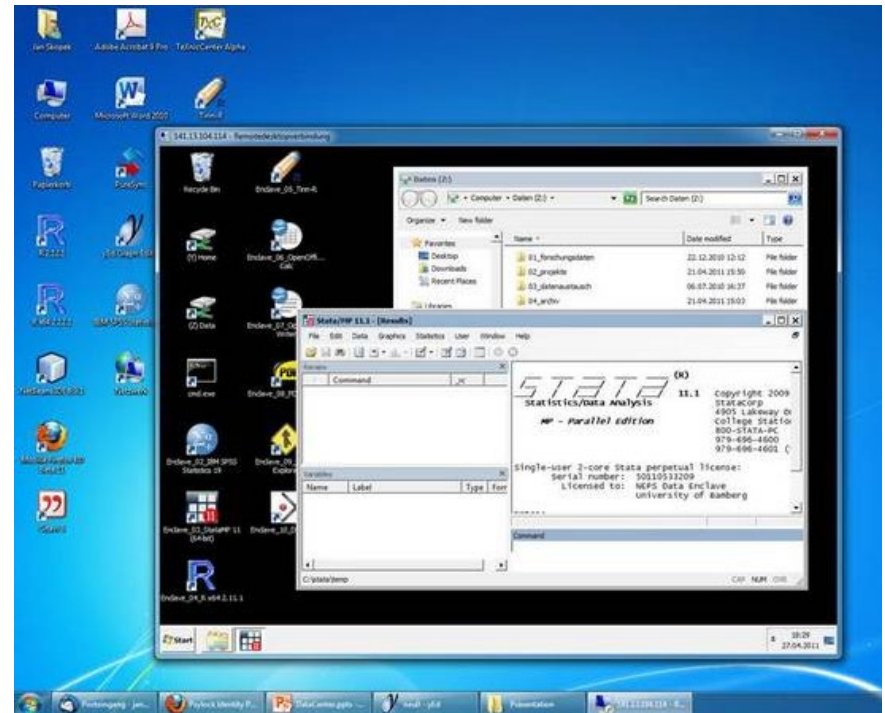
CILS4NEPS v1.0 – Weights

w_t_CILS4EU_std	CILS4EU House weight (excluding German cases)
w_t_CILS4EU	CILS4EU Final Student weight (excluding German cases)
w_t_CILS4NEP	Nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)
w_t_CILS4NEPS_cal	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)
w_t1_CILS4NEPS	Cross-sectional weight for targets participating in wave 1 (unstandardized)
w_t_CILS4NEPS_std	Nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)
w_t_CILS4NEPS_cal_std	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)
w_t1_CILS4NEPS_std	Cross-sectional weight for targets participating in wave 1 (standardized)

Meet the Data CILS4EU: New Data

CILS4NEPS v1.0 – Data Access

- CILS4NEPS website: www.neps-data.de
 - NEPS data → Starting cohort grade 9 → CILS4NEPS
- Access via remoteNEPS gateway
 - Moderate anonymised data
- Application via NEPS/LfBi and CILS4EU/Gesis
 - Joint assessment
 - Need for harmonised data



Meet the Data CILS4EU: New Data

CILS4NEPS v2.0 - Outlook

- Current work on a CILS4NEPS v2.0, which will include:
 - Further waves
 - CILS4EU-DE waves 4 & 5, NEPS SC4 waves 7-10
 - Parent data
 - Achievement tests
 - COVID-19 wave
- Release approx. summer 2025

Meet the Data CILS4EU: New Data

3. Wave 10 CILS4EU-DE

Meet the Data CILS4EU: New Data

Wave 10 of CILS4EU-DE (in progress)

- Start of data collection: 15th April 2024 (age of respondents: ~ 28 years)
- Web and postal survey
- Current status: 3,453 participants
 - 1,603 initial sample | 1,850 refreshment sample
 - 2,151 without mig. background | 1,302 with mig. Background
- Repeated core module: **Political participation**
- One-off module: **Technology & artificial intelligence**
- Approximate release date: Spring/summer 2025

Meet the Data CILS4EU: New Data



Thank you!

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4. Q&A

We are looking forward to your questions!