microdata.no

microdata.no provides instant, online access to large amounts of detailed and linkable microdata without any form of application.

microdata.no is open for employees and students at universities and colleges, approved research institutions, ministries and directorates.





What is microdata.no?

Developed and operated by Sikt and Statistics Norway (SSB)

Live since spring 2018

A service for linkage and analysis of register data and other forms of microdata

Complete, non-anonymized data about the complete population

Access from day 1 (no paperwork) to all available variables (currently 405)

Large flexibility in linkage, data management and analyses

Browser based and location independent

Built-in privacy controls to keep data/results anonymous on the end-user side



Article from Datatilsynet's website

https://www.datatilsynet.no/aktuelt/aktuelle-nyheter-20192/microdata.no-vant-pris/



Available data in microdata.no

Full population since 1964 (approx. 10 million) Data in full detail, not anonymized

Variables about:

- Demography (sex, marital status, area of residence)
- Income
- Education
- Employment (jobs, etc)
- Welfare benefits
- Social background
- Sickleave
- Election participation
- Immigration



Demo

Journal of Education and Work

ABSTRACT

Early work experience is found to be an influential factor in young people's transitions from school to work. Still, we know little about whether early work experience can protect vulnerable young people from subsequent exclusion from labour and education in early adulthood. Our objective is therefore to examine how early work experience in adolescence influences the risk of being NEET (Not in Education, Employment or Training), and whether this relationship is stronger for early school leavers and young disabled people. We utilise Norwegian register data covering the entire 1985-birth cohort, followed from age 16 to 29 (n ~ 50 000). Linear probability models are used to estimate the NEET risk at age 25 and age 29. The findings reveal that early work experience is related to a lower NEET risk for everyone, but more strongly for the young people with disabilities or early school leaving. The findings support early work experience as a potentially important protective factor against subsequent NEET status, particularly among vulnerable young people.

Routledge

Sikt Etterprøvbarhet

Skript i artikkelens appendix

25 (2): 323-334. doi:10.1007/s10926-014-9541-6.

Widding-Havnerås, Tarjei. 2016. "Unge Voksne Som Verken Er I Arbeid Eller Utdanning: En Registerbasert Studie, 1993–2009. [Young People Not in Work or Education: A Registry Data Investigation, 1993-2009]." Søkelys på arbeidslivet 33 (4): 360–378. doi:10.18261/.1504-7989-2016-04-05.

Yates, Scott, and Malcolm Payne. 2006. "Not so NEET? A Critique of the Use of 'NEET' in Setting Targets for Interventions with Young People." Journal of Youth Studies 9 (3): 329–344. doi:10.1080/13676260600805671.

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Appendix

Script used for analysis in www.microdata.no

// Can adolescent work experience protect vulnerable youth?

// A population wide longitudinal study of young adults not in education, employment or training (NEET)

// Kobler til databank require no.ssb.fdb:2 as ds

create-dataset NEET import ds/BEFOLKNING_FOEDSELS_AAR_MND as alder15 replace alder15 = 2015 - (int(alder15/100)) keep if alder15 = = 30 import ds/BEFOLKNING_REGSTAT 2014-01-01 as status14 import ds/BEFOLKNING_REGSTAT 2013-01-01 as status13 import ds/BEFOLKNING_REGSTAT 2012-01-01 as status12

Reproducibility

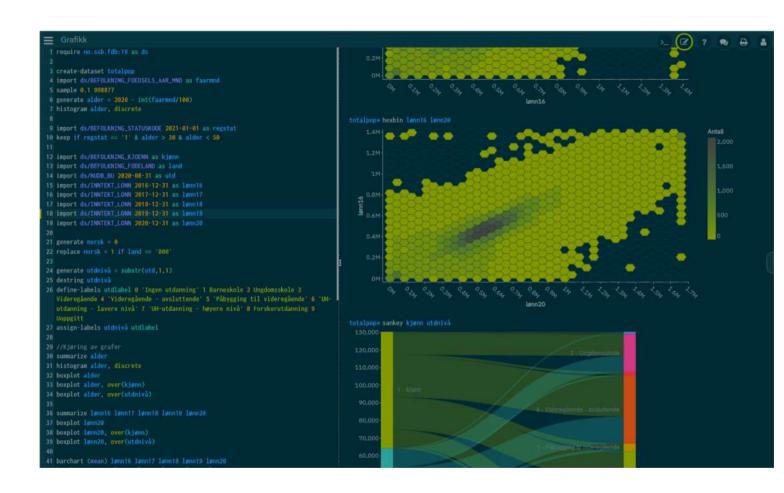
Script from paper's appendix

C D microdata.no/rose/#		V	- 6 -
NEET 22		> 🕜 ? 9	
<pre>NEET 22 require no.ssb.fdb:2 as ds create-dataset NEET import ds/BEFOLKNING_FOEDSELS_AAR_MND as alder15 replace alder15 = 2015 - int(alder15/100) keep if alder15 == 30 import ds/BEFOLKNING_REGSTAT 2014-01-01 as status14 import ds/BEFOLKNING_REGSTAT 2012-01-01 as status13 import ds/BEFOLKNING_REGSTAT 2012-01-01 as status12 import ds/BEFOLKNING_REGSTAT 2010-01-01 as status11 import ds/BEFOLKNING_REGSTAT 2010-01-01 as status10 import ds/BEFOLKNING_REGSTAT 2009-01-01 as status00 import ds/BEFOLKNING_REGSTAT 2009-01-01 as status01 keep if status14 == '1' keep if status13 == '1'</pre>	 * require no.ssb.fdb:2 as ds Opprettet en kobling fra no.ssb.fdb:2 til ds * create-dataset NEET Et tomt dataset, NEET ble opprettet og valgt NEET* import ds/BEFOLKNING_FOEDSELS_AAR_MND as alder15 Importerte alder15 til NEET med 9 903 454 verdier NEET* replace alder15 = 2015 - int(alder15/100) Byttet ut verdier i alder15 Antall enheter: 9 903 454 NEET* keep if alder15 == 30 9 788 810 enheter ble fjernet fra datasettet. NEET* import ds/BEFOLKNING_REGSTAT 2014-01-01 as status14 Importerte status13 til NEET med 114 644 verdier, hvorav 36 974 missingverdier NEET* import ds/BEFOLKNING_REGSTAT 2013-01-01 as status13 Importerte status13 til NEET med 114 644 verdier, hvorav 39 857 missingverdier NEET* import ds/BEFOLKNING_REGSTAT 2012-01-01 as status12 Importerte status13 til NEET med 114 644 verdier, hvorav 42 878 missingverdier NEET* import ds/BEFOLKNING_REGSTAT 2012-01-01 as status12 Importerte status12 til NEET med 114 644 verdier, hvorav 42 878 missingverdier NEET* import ds/BEFOLKNING_REGSTAT 2011-01-01 as status12 Importerte status12 til NEET med 114 644 verdier, hvorav 42 878 missingverdier NEET* import ds/BEFOLKNING_REGSTAT 2011-01-01 as status11 Importerte status11 til NEET med 114 644 verdier, hvorav 42 878 missingverdier 	> Contract Joint State Contract Contract Joint State Joint State Contract Joint Stat	
<pre>keep if status12 == '1' keep if status11 == '1' keep if status10 == '1'</pre>	NEET» import ds/BEFOLKNING_REGSTAT 2010-01-01 as status10 Importerte <i>status10</i> til <i>NEET</i> med 114 644 verdier, hvorav 49 011 missingverdier NEET» import ds/BEFOLKNING_REGSTAT 2009-01-01 as status09	ABC bosted16	



Live demo Income distribution by sex at 2010 and 2021

In 3 minutes



Framework for built-in privacy –

«The 5 Safes» (Felix Ritchie -https://en.wikipedia.org/wiki/Five_safes)

Safe purposes	Is this use of the data appropriate?
Safe people	Can the users be trusted to use it in an appropriate manner? Do we know who they are? Can we monitor their behaviour in the system?
Safe settings	Does the access facility limit unauthorised use?
Safe data	Is there a disclosure risk in the data itself? (Yes)
Safe outputs	Are the statistical results non-disclosive?

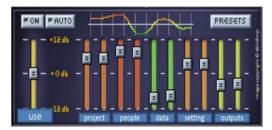
Microdata.no and relative ranking of the 5 Safes

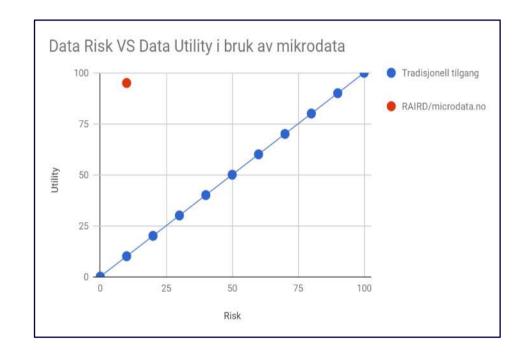
Safe settings Safe outputs

Safe people

Safe purposes

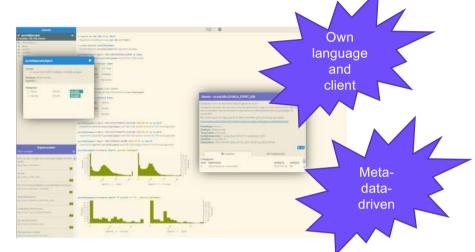
Safe data



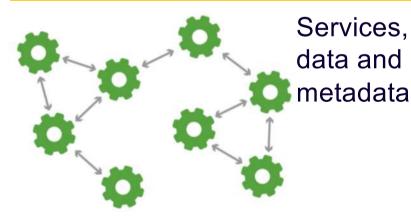


Safe settings – controlled execution





APIs in front of secured data settings





Safe outputs – selected means

