DDI on Rails

Understanding Data

Marcel Hebing | DIW Berlin | EDDI 2013

The **German Socio-Economic Panel (SOEP)** is a wide-ranging representative longitudinal study of private households, located at the German Institute for Economic Research, DIW Berlin. Every year, there were nearly 11,000 households, and more than 20,000 persons sampled by the fieldwork organization TNS Infratest Sozialforschung.

The data provide information on all household members, consisting of Germans living in the Old and New German States, Foreigners, and recent Immigrants to Germany. The Panel was started in 1984.

Some of the many topics include household composition, occupational biographies, employment, earnings, health and satisfaction indicators.

http://www.diw.de/soep

panel.gsoep.de/soepinfo2011/

Google

[SOEPinfo-Main-Actions]   [Basic Information]   [Help]

Basket: AP5601, AP,   1984,   Supports Political Party
1 Vars

[Basket-Actions]   Select all   Clear   Delete   [Files]

the db-access took: 0 wallclock secs (0.02 usr + 0.00 sys = 0.02 CPU)

8.1.2 Party identification

General Party Identification

Files: ✗₽

Put all vars of this series into the basket

| 19.. | | | 1988 | 1989 | 1990 W. | 1990 E. |
| AP5601 | BP7901 | CP7901 | DP8801 | EP7701 | FP9301 | GP8501 | - |

| 1991 W. | 1991 E. | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| HP9001 | - | IP9001 | JP9001 | KP9201 | LP9801 | MP8401 | NP9401 |

| 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
| OP9701 | PP111 | QP116 | RP111 | SP111 | TP118 | UP123 | VP129 |

| 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| WP119 | XP128 | YP130 | ZP123 | BAP128 | BBP129 |

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[Variables] [Topics] [Questionnaires]

javascript:add_item('722,1070,1467,1875,2224,2676,3109,3792,4259,471...965,8508,9028,9586,10132,10654,11226,11807,12373,12878,13436,14097')

The vision

The data portal DDI on Rails accompanies researchers throughout the entire course of their research projects from conception to publication/citation.

The system offers researchers the possibility to explore the SOEP data, to compile personalized datasets, and to publish results on the publication database.

Characteristics

➔ study-independent

➔ open-source

➔ document data with multiple versions/distributions

➔ document the specific characteristics of a longitudinal study

➔ is easy to use

DDI on Rails = DDI + Ruby on Rails

Standard

Data Documentation Initiative

➜ DDI Codebook (2.x): Import

➜ DDI Lifecycle (3.x): "Framework"

Technology

➜ Ruby / Ruby on Rails

➜ R (r2ddi)

➜ SQLite / Postgres

➜ Apache Solr (Lucene)

➜ jQuery and D3

➜ Bootstrap CSS

➜ Apache (Passenger) on Linux

ddionrails.soep.de

Google

DDI on Rails   ▾ Studies   Topics   Publications

DDI on Rails

Understanding Data

Search

Studies	Topics	News from the website
SOEP Long Format	demography and population	Jobverlust der Mutter kann Entwicklung

ddionrails.soep.de/studies/2

Google

SOEP Core Sample [study: core]

SOEP Core Sample

Overview

Variables   42868

Datasets   335

Questionnaires   16

Overview

The German Socio-Economic Panel Study (SOEP) is a wide-ranging representative longitudinal study of private households, located at the German Institute for Economic Research, DIW Berlin. Every year, there were nearly 11,000 households, and more than 20,000 persons sampled by the fieldwork organization TNS Infratest Sozialforschung.

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Services of the Research Data Center SOEP

- SOEP data are disseminated in several formats on one DVD, accompanied by extensive documentation (also available on our documentation sites), both as raw data and in SAS, STATA and SPSS formats.Geo-Code context data can also be accessed at DIW Berlin. Training workshops for SOEP users are held annually in Germany and abroad.
- A remote access to sensitive regional data in the SOEP data set.
- The interactive program SOEPinfo provides information on all SOEP variables as well as data extraction programs.
- All registered users and interested persons receive a SOEPnewsletter with information on the latest developments in SOEP. You can download the newsletter directly or register to be placed on the newsletter mailing list.

DDI on Rails   ▾ Studies   Topics   Publications

birth date / age / year of death [topic: t0101000000000000]

All topics

demography and population

birth date / age / year of death

Description

Name: t0101000000000000

Label: birth date / age / year of death

Description:

Concept	Variables	Questions
Age Youngest Child	8	0
Age 2nd Youngest Child	8	0
Age 3rd Youngest Child	8	0
Age 4th Youngest Child	8	0
Age 5th Youngest Child	8	0
Year of Birth Father	1	0
Year of Birth Mother	1	0
Year of Birth (4-Digit)	28	0
Age HH-Head (group)	1	0
Birth Year, 4-digit	1	0
Year Of Birth In Class Of HH Head	1	0
Year Of Birth (Month/Year)	1	0
Year of Birth	1	0

Where People Live and Die Makes a Difference:Individual and Geographic Disparities in Well-Being Progression at the End of Life

Gerstorf, Denis, Nilam Ram, Jan Goebel, Jürgen Schupp, Ulman Lindenberger, and Gert G. Wagner

2010

Lifespan psychological research has long been interested in the contextual embeddedness of individual development. To examine if and how regional factors relate to between-person disparities in the progression of late-life well-being, we applied three-level growth curve models to 24-year longitudinal data from deceased participants of the German Socio-Economic Panel Study (N = 3,427; age at death: 18 to 101 years). Results indicate steep declines in well-being with impending death, with some 8% of the between-person differences in both level and decline of well-being reflecting between-county differences. Exploratory analyses revealed that individuals living and dying in less affluent counties reported lower late-life well-being, controlling for key individual predictors including age at death, gender, education, and household income. The regional factors examined did not directly relate to well-being change, but were found to moderate (e.g., amplify) the disparities in change attributed to individual factors. Our results suggest that resource-poor counties provide relatively less fertile grounds for successful aging until the end of life and may serve to exacerbate disparities. We conclude that examinations of how individual and residential characteristics interact can further our understanding of individual psychological outcomes and suggest routes for future inquiry.

📄 Download Publication

Authors

Gerstorf, Denis

Ram, Nilam

Goebel, Jan

Schupp, Jürgen

Lindenberger, Ulman

Wagner, Gert G.

Labels

subjective indicators

miscellaneous

Details

Title: Where People Live and Die Makes a Difference:Individual and Geographic Disparities in Well-Being Progression at the End of Life

Year: 2010

Secondary: Psychology and Aging

ddionrails.**soep**.de/search/variables?page=1&search=satisfaction&utf8=✓

Google

satisfaction

Search | Clear filter

Q All | ✷ Concepts | 📊 Variables | ☑ Questions | 📄 Publications

Study

core `506`

long `51`

pretest `39`

Analysis unit

p `517`

h `6`

Conceptual dataset

raw `410`

equiv `58`

p_cross `39`

misc `12`

596 results.

📊 **Satisfaction with Health** [m1112500]   `m1112500`
Variable in dataset **core** / **qpequiv** | period: **2000**, analysis unit: **p**

📊 **Overall life satisfaction** [p1110100]   `p1110100`
Variable in dataset **core** / **qpequiv** | period: **2000**, analysis unit: **p**

📊 **Satisfaction With Health** [np0101]   `np0101`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

📊 **Satisfaction With Work** [np0102]   `np0102`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

📊 **Satisfaction With Housework** [np0103]   `np0103`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

📊 **Satisfaction With Household Income** [np0104]   `np0104`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

📊 **Satisfaction With Dwelling** [np0105]   `np0105`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

📊 **Satisfaction With Child Care** [np0107]   `np0107`
Variable in dataset **core** / **np** | period: **1997**, analysis unit: **p**

r2ddi

Inputs: data.frame, SPSS, Stata, CSV, SIR, DDI 2.5, Translations, SQL

Core: ddi

Outputs: SIR, XML: DDI 2.5, XML: DDI 3.1, XML: DDI SOEP, nCube, CSV / TSV / fix format, Images (PNG / PDF), LaTeX
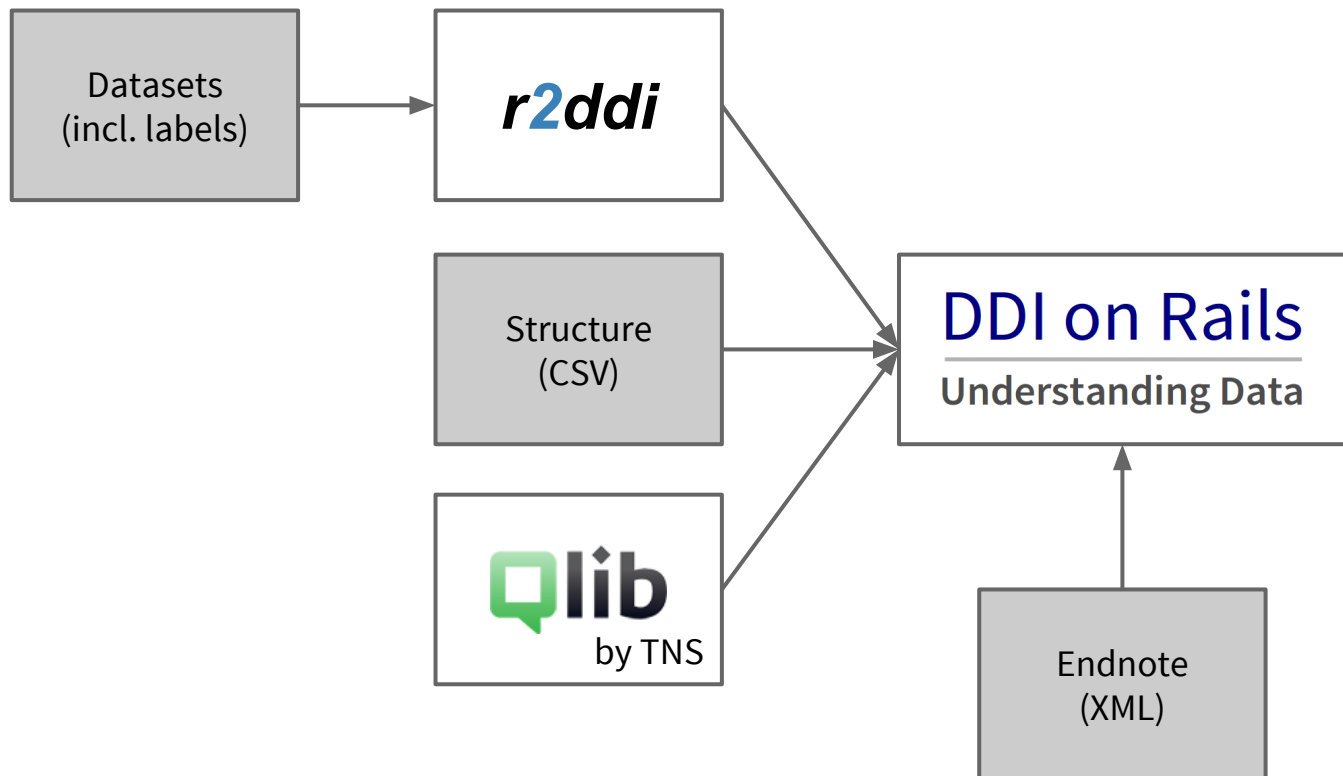
http://github.com/mhebing/r2ddi
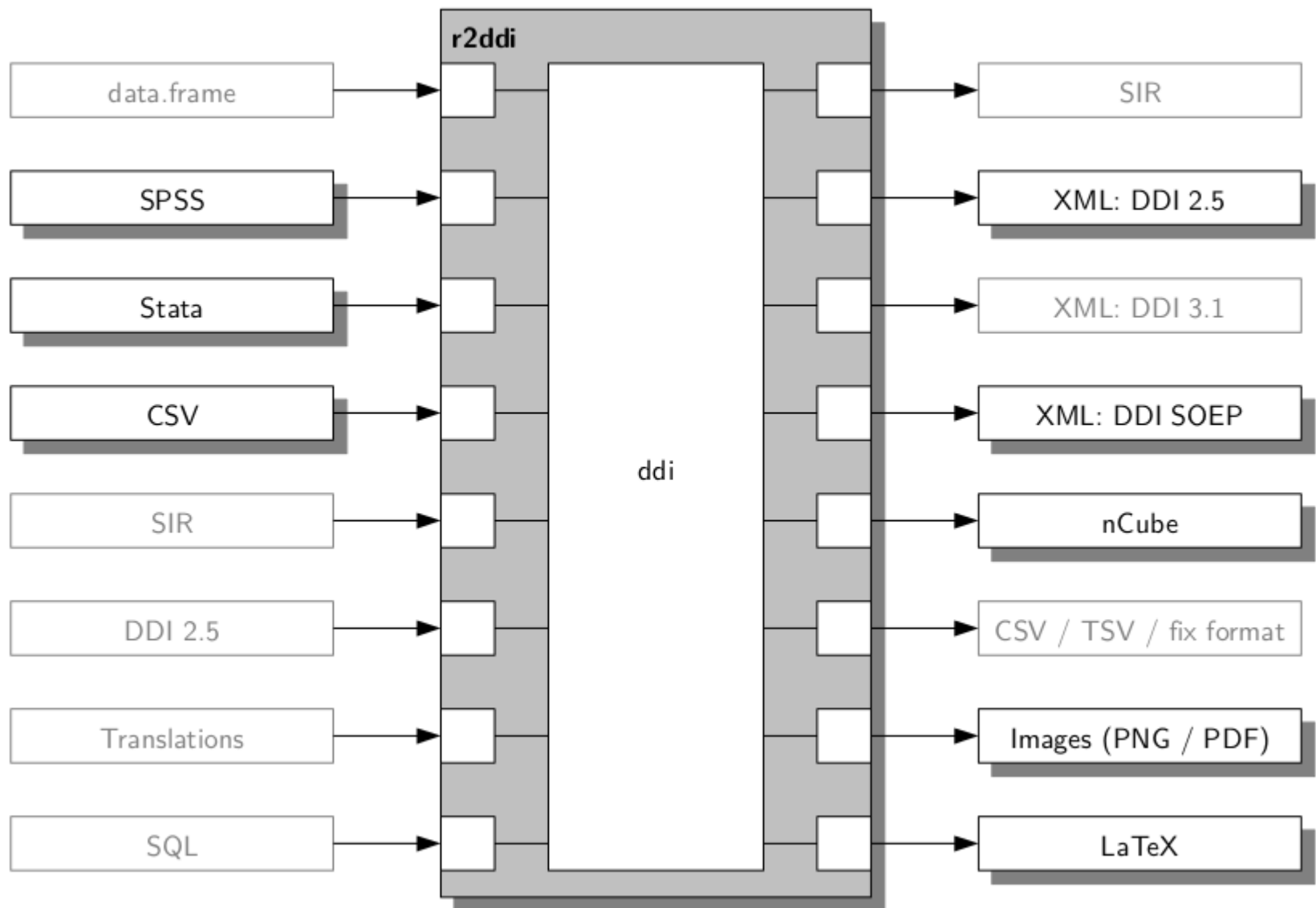
```r
library("r2ddi")

dir2xml(path_in="your/path/here", path_out="your/path/here")
```

Architecture

Latest developments and plans

➔ Concepts (as the major link)

➔ Search engine: Apache Solr

➔ First production system by the end of the year: SOEPlong data

➔ jQuery for usability

➔ Extend r2ddi for SPSS, CSV, etc.

➔ Documentation and tests

➔ Recommendation system

➔ More (external) studies

Thank you.

If you like to participate in the **user test**, please email me.

`marcel@ddionrails.org`