nsoApi

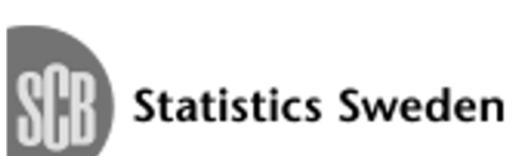
http://rdata.work/nsoApi/















Statistics Canada

Statistique Canada





Packge Vignette http://rdata.work/nsoApi/articles/nsoApi.html

BEA Bureau of Economic Analysis

```
api.param <- list(
 DATASETNAME = "GDPbyIndustry",
 METHOD = "GETPARAMETERVALUES",
 RESULTFORMAT = "JSON",
 USERID = apiKey$BEA$userid,
 PARAMETERNAME = "TABLEID"
## req.uri <- beaAPI(api.param = api.param, curl = curl, query = TRUE)
## tt <- RCurl::getURL(req.uri, curl = curl)
tablelist <- beaAPI(api.param = api.param, curl = curl)
tablelist$BEAAPI$Request$RequestParam
```

```
ParameterValue
    ParameterName
      DATASETNAME
                                         GDPBYINDUSTRY
           USERID 7023E825-15FF-488D-B8D9-D70E6F67D439
     RESULTFORMAT
           METHOD
                                     GETPARAMETERVALUES
## 5 PARAMETERNAME
                                                TABLEID
```

Show first 5 tables

esc

Key	Desc
1	Value Added by Industry (A) (Q)
5	Value Added by Industry as a Percentage of Gross Domestic Product (A) (Q)
6	Components of Value Added by Industry (A)
7	Components of Value Added by Industry as a Percentage of Value Added (A)
8	Chain-Type Quantity Indexes for Value Added by Industry (A) (Q)

Contents

Providers

Setup

BEA Bureau of Economic Analysis

CBS Statistics Netherlands

Destatis GENESIS

ONS UK Office for National Statistics

ONS Tables

STATAT Statistics Austria

Tilastokeskus Statistics Finland

SCB Statistics Sweden

SBB StatBank Statistics Norway



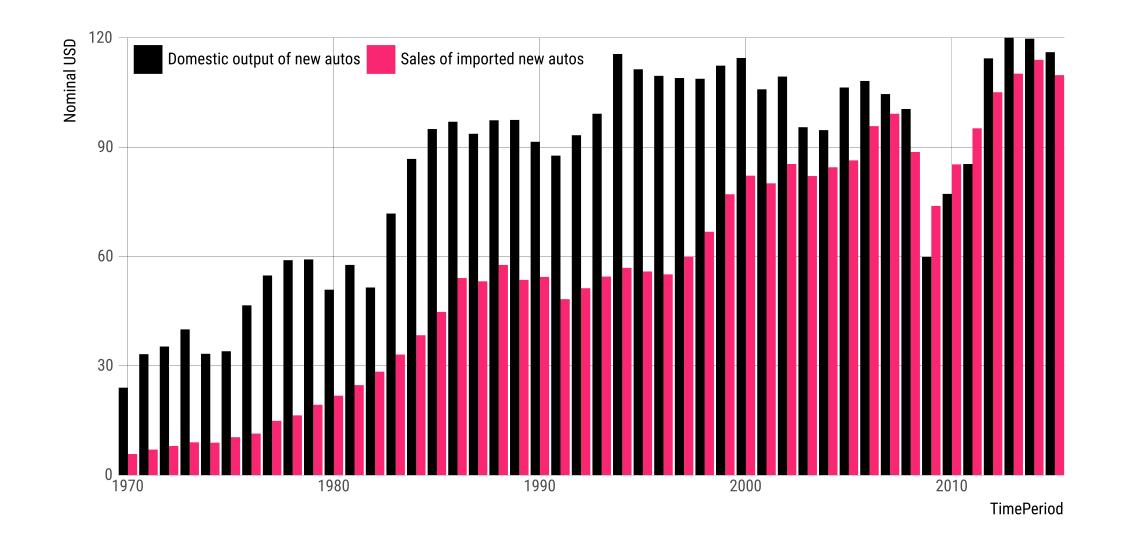
Example

• NIPA, 272, Table 7.2.5B. Motor Vehicle Output (A) (Q)

BEA

Bureau of Economic Analysis

- REST, NDJSON
- ~450 datasets
- registration
- two decimals
- list of tables
- documentation





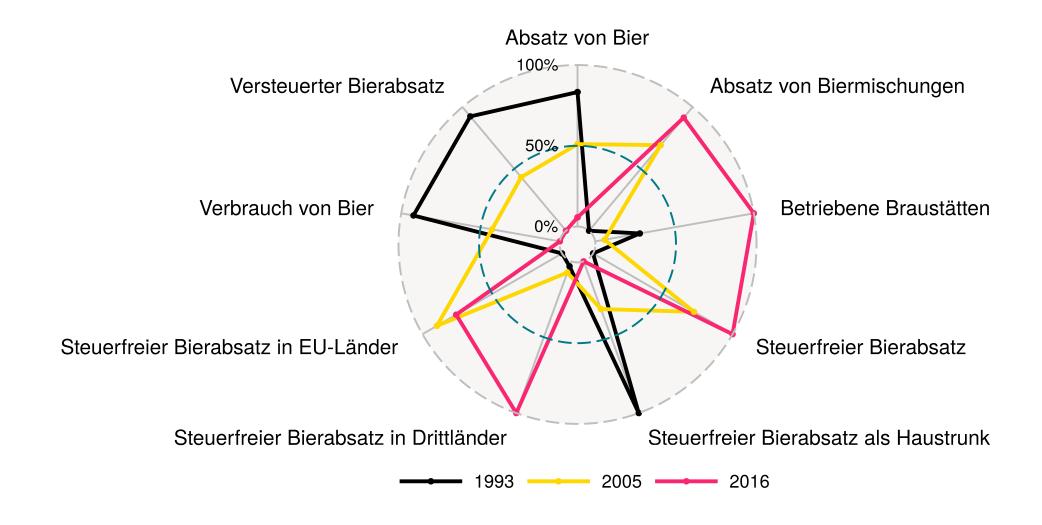
Genesis

Statistisches Bundesamt

- REST, JSON, CSV
- ~2300 datasets
- 50-500 EUR p.a.
- list of tables
- documentation

Example

• 73421BJ001, Biersteuer-, Schaumweinsteuerstatistik, Deutschland insgesamt, Jahr





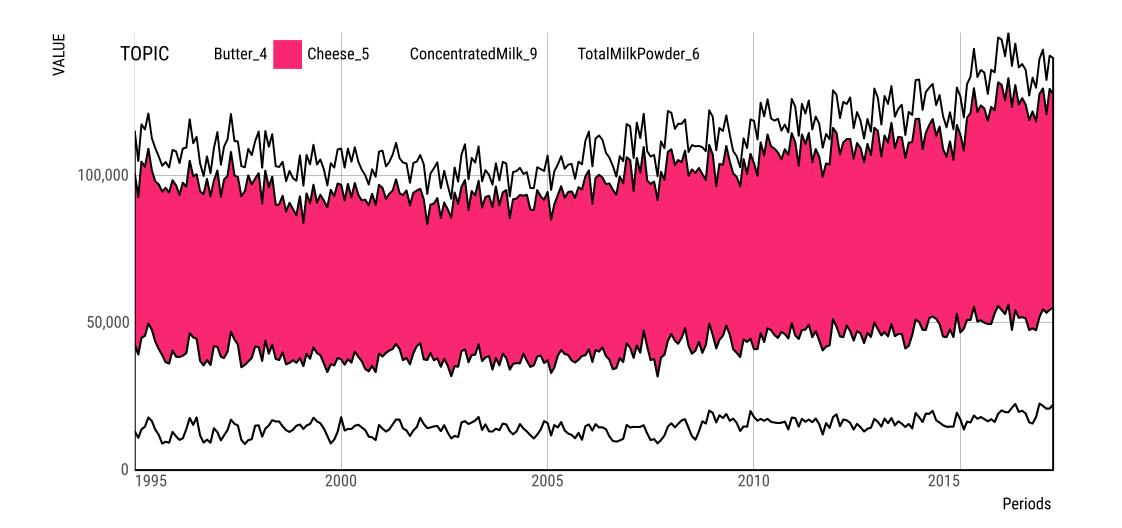
CBS

Statistics Netherlands

- OData
- ~3000 NL
- ~700 EN
- list of tables
- documentation

Example

• 7425eng, Milk supply and dairy production, January 1995 - May 2015, Monthly





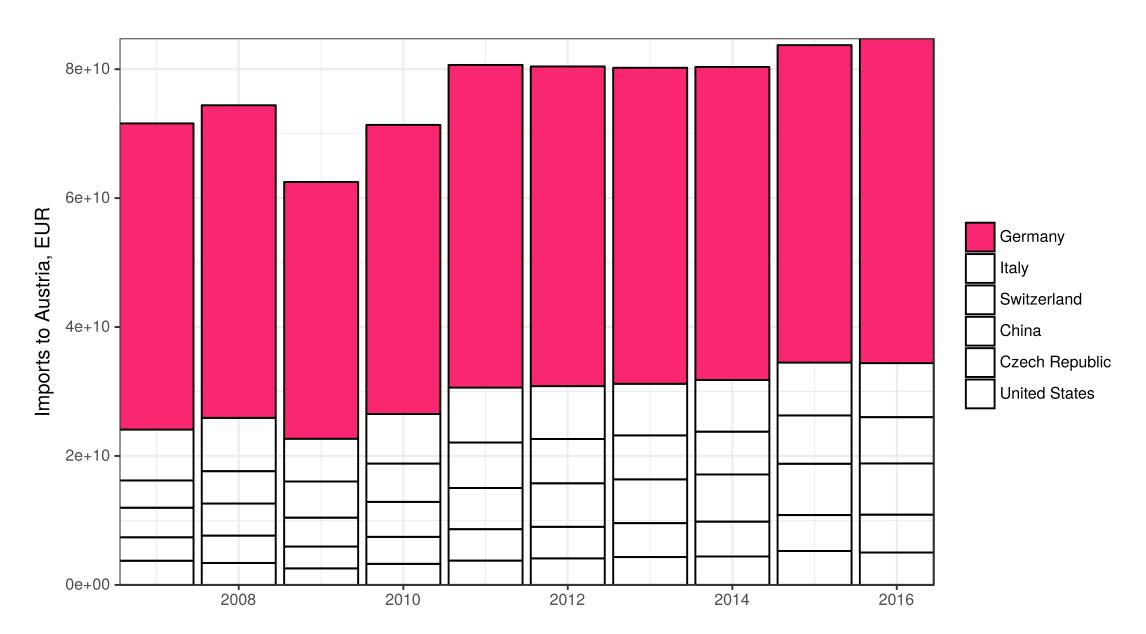
data.gv.at

Statistics Austria

- CSV, JSON
- ~40 datasets
- list of datasets
- documentation

Example

• OGD_f1531neu_Aussenhandel_1, Foreign Trade, Annual, 2007-2016, Top 6





CANSIM

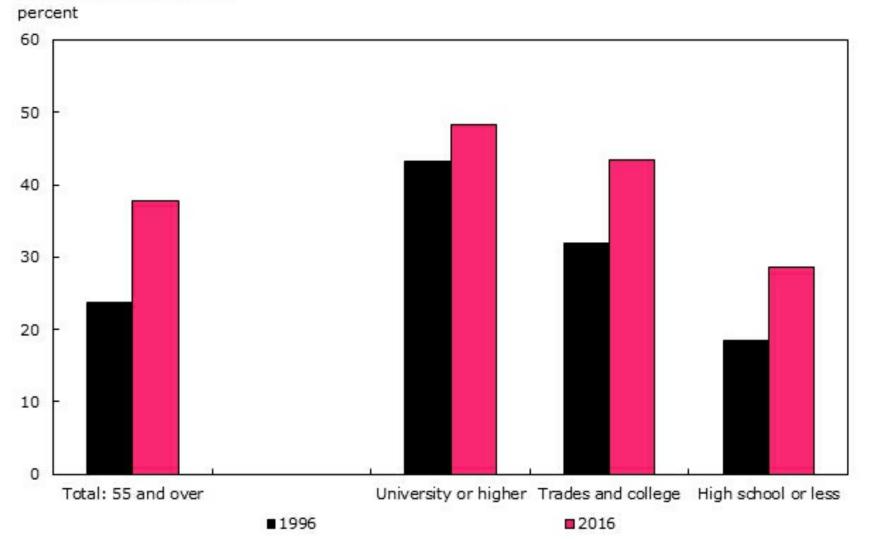
Statistics Canada

- SOAP, XML
- iso-8859-1 encoding
- documentation
- bcgov/CANSIMdata-viewer

Example

• http://www.statcan.gc.ca/pub/75-006-x/2017001/article/14826-eng.htm

Chart 5
Participation rates of people aged 55 and over, by education level, 1996 and 2016



Source: Statistics Canada, Labour Force Survey, 1996 and 2016.



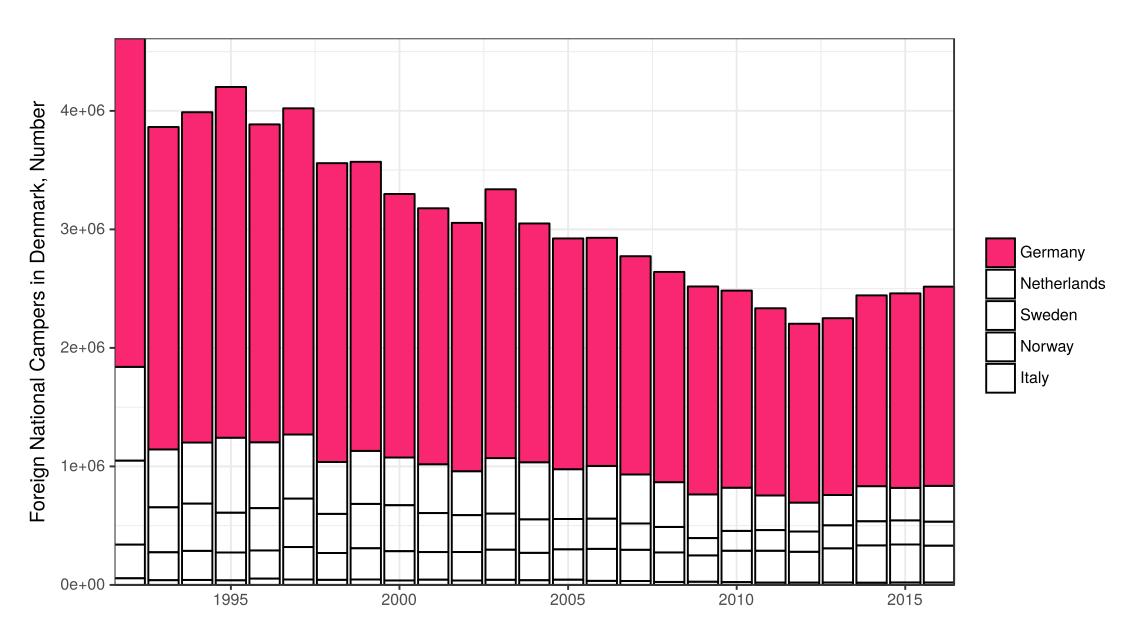
Databank

Statistics Denmark

- JSON, XML
- ~1600 datasets
- list of tables
- documentation
- rOpenGov/dkstat

Example

• CAMP1, Nights spent on camping sites, 1992-2017





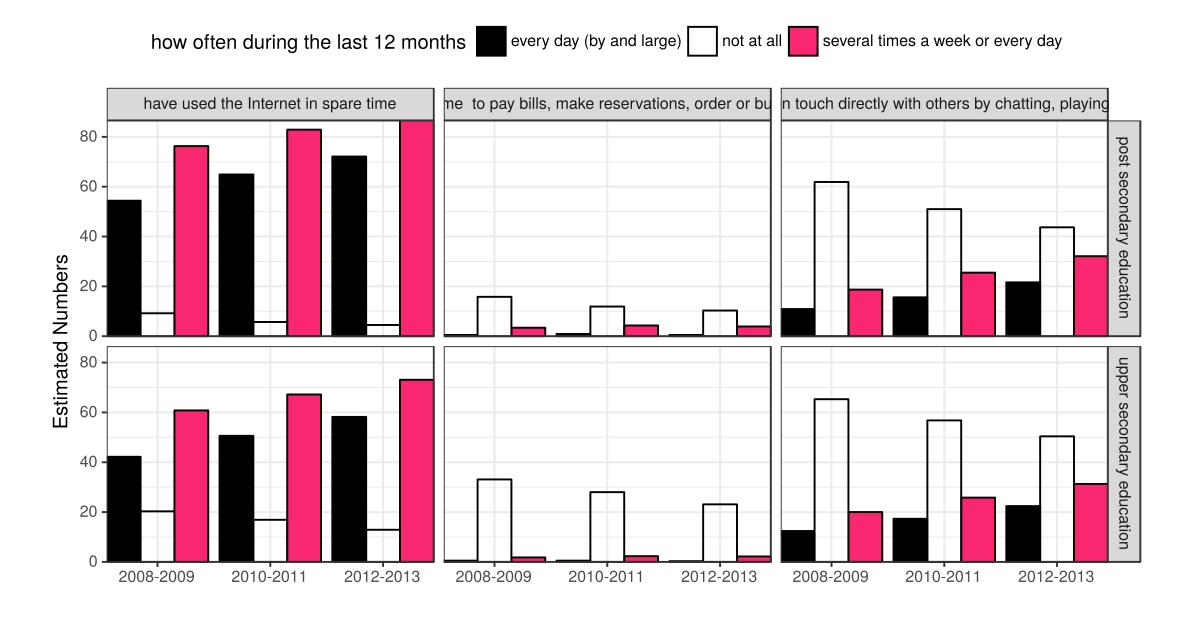
SCB

Statistics Sweden

- PX-Web
- ~1500 datasets
- list of tables
- documentation
- rOpenGov/pxweb

Example

• Internet use in leisure time by how often, level of education and sex





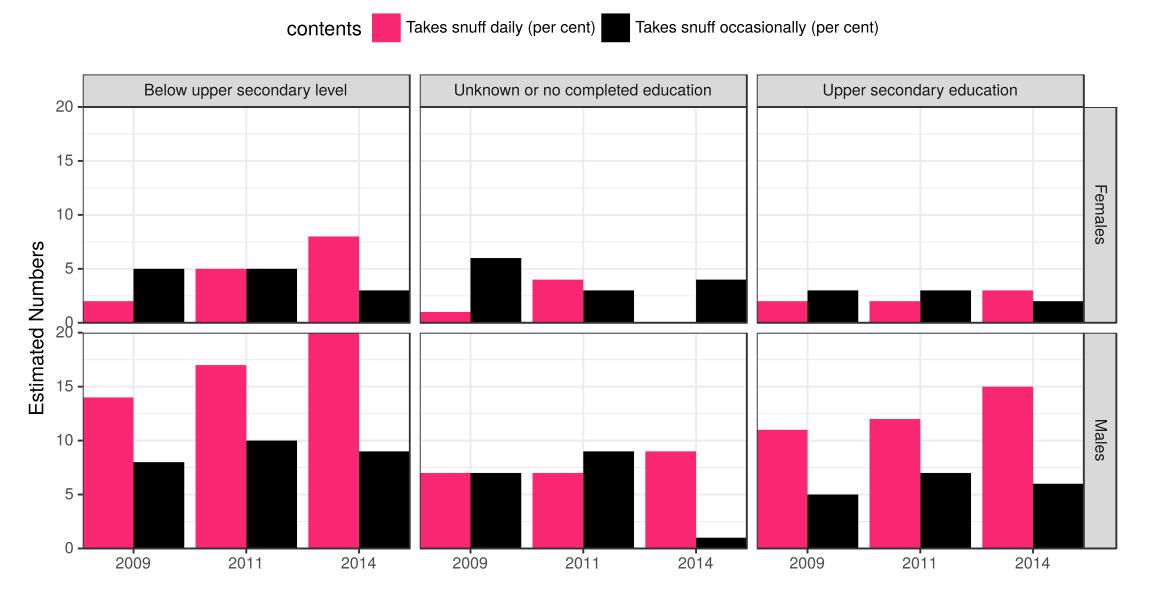
SSB

Statistics Norway

- PX-Web
- ~6000 datasets
- list of tables
- documentation

Example

• 07696: Daily snuff users and occasional snuff users, by sex and education level (per cent) 2008 - 2015





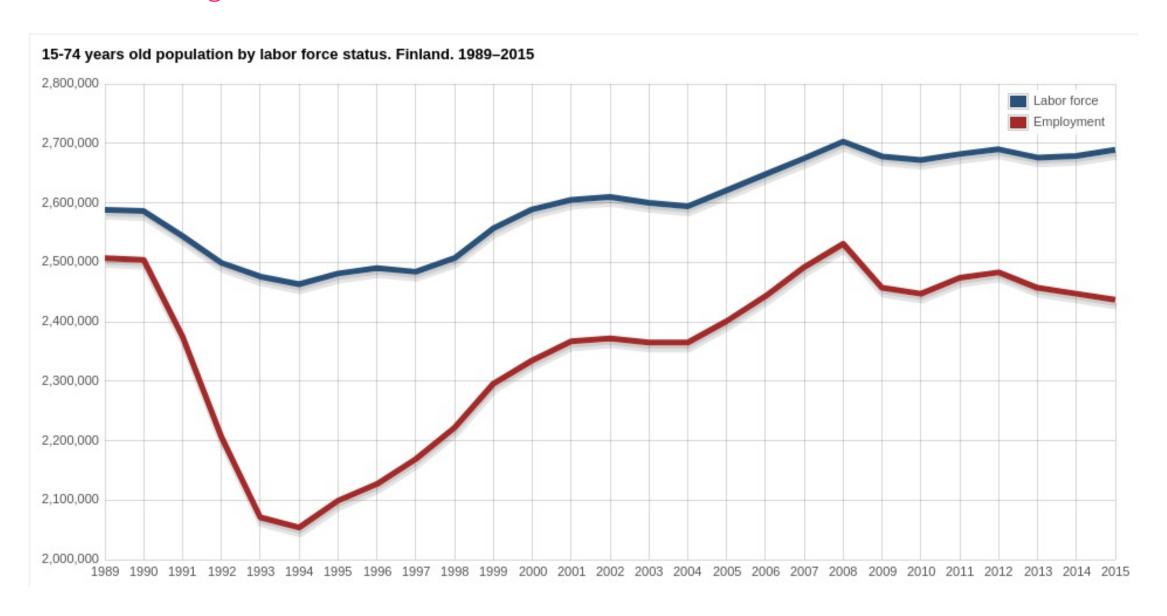
PXNET2

Statistics Finland

- JSON
- ~1000 datasets
- list of tables
- documentation
- rOpenGov/pxweb

Example

• blocks.org: Finnish Labor Market

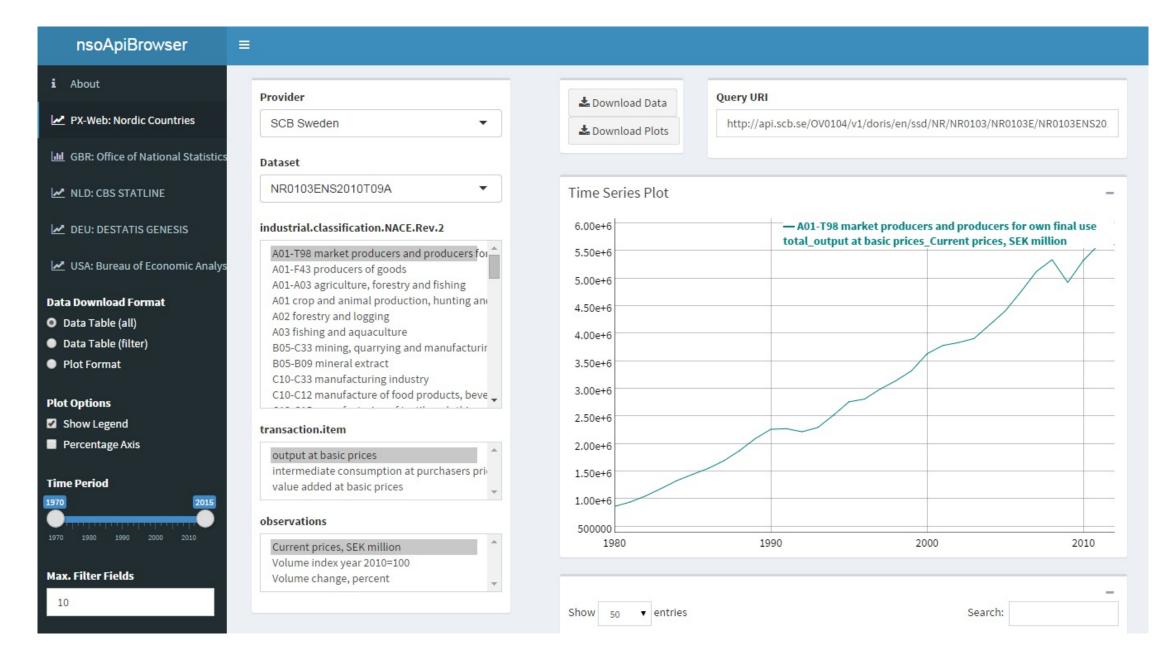


nsoApi Browser

Shiny by RStudio

- query datasets
- build query
- DT widget
- dygraph plot
- download csv

• http://github.com/bowerth/nsoApiBrowser



SDMX

SDMX Browser

Scala Play Framework

- EUROSTAT
- ECB
- IMF
- ABS
- NBB
- INEGI
- INSEE
- OECD
- amattioc/SDMX
- bowerth/sdmxPlay

• http://sdmx.rdata.work

