

DBnomics

The world's economic database

Dynare Summer School
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CEPREMAP

CENTRE POUR LA RECHERCHE ECONOMIQUE ET SES APPLICATIONS

The birth of the project

Originally a tool to improve data handling processes in macroeconomic research (complementary to **Dynare**), with three objectives:

- ▶ Simplifying retrieval of economic data
- ▶ Automatically providing updated data
- ▶ Allowing reproducible results

Increasingly, objectives go beyond academia:

- ▶ Public/Private Sector: economic indicators, panels, graphs, ...
- ▶ Journalism: data journalism, fact-checking, ...
- ▶ Civil society: professors, associations, bloggers, ...

Objectives

Create a free, open-source platform to aggregate publicly-available data series provided by national and international statistical institutions.

Value added: a unique economic database, in one place, with wide, systematic coverage of economic data (300 million series at present)

Four important principles of the project:

- ▶ Data series are taken directly from providers and kept unchanged
- ▶ Data series are stored in a tree similar to the provider's
- ▶ Data series are automatically updated via provider-specific functions
- ▶ Archive system: each revision of the data series is archived

A free platform designed for every user

Why use it ?

- ▶ A website: <https://next.nomics.world> (beta version) with different search tools depending on needs
- ▶ An API: to easily access each data series from statistical software (R, Python and soon Julia, Octave, Matlab, LibreOffice Calc, Excel, SAS, Eviews, Stata, ...)
 - ▶ Python plugin + example
 - ▶ R plugin
 - ▶ Documentation
- ▶ Free and Open source (GNU Affero General Public License) to allow the creation of a community

Evolution of DBnomics

- ▶ 2015 - 2016 : Prototype of DBnomics
- ▶ 2017 - 2018 : Development of version 1
 - ▶ Beta website and API (January, 2018)
 - ▶ More than 60 statistical providers by summer 2018 (World Bank, IMF, WTO, ILO, BCEAO, etc.)
 - ▶ New infrastructure, to allow full-text search through ALL the providers data series at the same time
 - ▶ New long-term partnerships : Bank of France and France Stratégie (French Prime Minister's research center)

Technical details and contacts

- ▶ Web site :
 - ▶ New version : <https://next.nomics.world/>
 - ▶ Old version : <https://db.nomics.world/>
- ▶ API :
 - ▶ Python plugin + example
 - ▶ R plugin
 - ▶ Documentation
- ▶ Code : <https://git.nomics.world/dbnomics>
- ▶ Questions : <https://forum.db.nomics.world/>
- ▶ Examples (with old API) :
 - ▶ <https://macro.nomics.world/>
 - ▶ <http://shiny.nomics.world/eib-econ-public>

Partnerships

