

API – Statbank Greenland

Greenlandic data in your app (api light)

250 detailed datasets are today available directly from our Statbank, where you can slice and dice cubes as you please.

The methods that can be used to access our data are similar to methods you use to get statistical data from the other Nordic countries (and more) as the engine of the Statbank is a program is PX-Web.

Over the past 25 years this program has been developed by Statistics Sweden in cooperation with national statistical offices all over the world. For more information, see: <http://www.scb.se/PC-Axis/>

For fast integration

Our Statbank offers many ways to re-use data. From simple downloads of a table in formats for either PC-Axis, Excel, delimited text-files, HTML, JSON or charts in png, gif or jpg.

More importantly you have an opportunity to ‘save your query’ to get a link that can return an always updated table, holding your extraction and manipulations ready to use in your programs.

This is meant not only for it-specialists, but for everyone who needs to include updated data on Greenland in their presentations, calculations etc.

You simply use the Statbank web-interface to find the table you need by following these steps:

- 1) Find your table, by selecting
 - a. Subject, Table
 - b. Variables/Values
- 2) Get table
- 3) Perhaps add some calculations
- 4) Perhaps show as graphs
- 5) Save your query

- a. Select what action to take, when data is updated
- b. Select how you want response to query (on screen, file etc)

This will return a unique link to your table:

<http://bank.stat.gl/sq/9915a75b-1dff-4a7b-b920-a378355fdce6>

This link gives you a table on screen, but if output has been chosen as JSON-STAT it would have returned a file. A chart or a table can be integrated on a web-site, in a document or spreadsheet.

www.stat.gl - demo

www.tourismstat.gl presents data directly from our Statbank. Greenland Tourism has defined their users needs and webby award winning Kathart.dk has implemented their visions on the website.

To harvest the ideas and lower the bar for others to reuse our data in new and exciting apps, websites etc Kathart.dk has documented an 'open source' version of their program, which demonstrates how data from bank.stat.gl can be visualized.

See <http://www.stat.gl/demo>

The code is also available for free on GitHub

The example will run on any dataset that fulfills a few criteria one has to secure when defining a table in the Statbank.

- a. Select all values from variable holding 'time'
- b. Select one variable with 2-6 values (to look nice)
- c. Select zero or one value from other variables

Also remember to have results in JSON-STAT format

<http://bank.stat.gl/sq/6c6608b5-a3cb-4ec9-ad46-0d3985827306>

Also check

www.JSON-STAT.org

example:

<http://bl.ocks.org/badosa/8c1d7f29b5a6f6ee03eb>

For ambitious integration

The Statbank can be fully integrated in other solutions by it-specialist using our public API. Look to these resources:

Sweden: www.scb.se/api

Finland: <http://pxnet2.stat.fi/api1.html>

Norway: <http://www.ssb.no/omssb/tjenester-og-verktoy/api/px-api>

And with a twist:

Danmark: www.dst.dk/api

PX-Web is used by many national statistical offices and most of these will allow api access to their data in the near future:

<http://www.scb.se/sv /PC-Axis/Programs/PX-Web/PX-Web-examples/>

For data from the Nordic countries, see:

www.stat2go.com

And from R

<https://github.com/rOpenGov/pxweb>

For code samples, see

<http://www.ssb.no/253074/eksempler-pa-kode>

- JSON-sample norwegian municipalities today
- Sample in Microsoft Powerquery / PowerBI
- POST in Python with pyjstat
- CORS (Cross-origin resource sharing)
- Sample in R
- Sample in SAS

Signatur forklaring:

- ... Oplysninger foreligger ikke
- .. Oplysninger for usikre til at angives eller diskretionshensyn
- . Tal kan efter sagens natur ikke forekomme
- 0 Mindre end halvdelen af den anvendte enhed
- Nul
- * Foreløbigt eller anslået tal

Eventuel henvendelse

Lars Pedersen

E-mail: LARP@stat.gl

Statbank

Grønlands Statistik
Postboks 1025 · 3900 Nuuk
Tlf.: +299 34 57 70 · Fax: +299 34 57 90
www.stat.gl · e-mail: stat@stat.gl

