

PC-Axis software family overview

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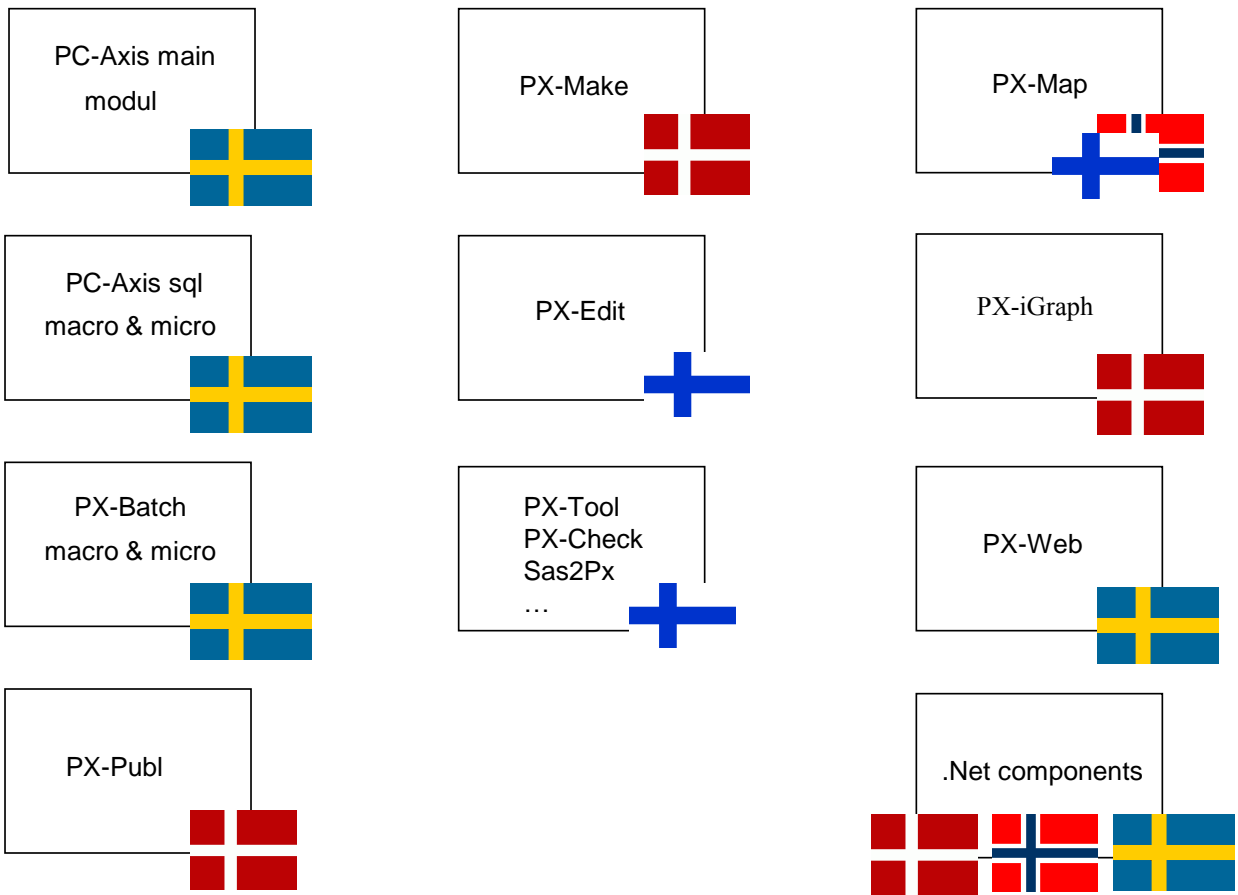
Agenda items concerning PC–Axis

- PC–Axis software overview
- What is PX–Web
- How to get data online
- How to create PC–Axis data files
- Advanced use and Visualization
- Best practises around the world



PC-Axis software family overview...

PC-AXIS
file format





What will be presented

- Ingredients in the PX-family
 - Short demo of PC-Axis, PX-Edit and PX-Web
 - Later also Maps and graphs

Ressource:

<http://www.scb.se/pc-axis>



PC-Axis windows application

The screenshot displays the PC-Axis application window titled "PC-AXIS - [c:\Temp\BE0101N1 .px]". The main window shows a spreadsheet with the following data:

Population by region, period and marital status				
2011				
	Single	Married	Widowers/widows	Divorced
0114 Upplands Väsby	20 873	13 546	1 427	4 348
0115 Vallentuna	16 038	11 097	988	2 592
0117 Österåker	20 082	14 713	1 336	3 661
0120 Värmdö	20 649	13 575	1 154	3 516
0123 Järfälla	33 664	23 995	2 660	7 001
0125 Ekerö	13 050	9 858	840	2 019
0126 Huddinge	52 388	34 063	2 994	9 604
0127 Botkyrka	42 330	30 313	2 564	9 470
0128 Salem	8 118	5 759	516	1 301
0136 Haninge	41 294	25 897	2 482	8 653
0138 Tyresö	22 810	14 794	1 436	4 288
0139 Upplands-Bro	12 244	8 506	813	2 421
0140 Nykvarn	4 885	3 425	297	724
0160 Täby	30 861	25 437	2 598	5 662
0162 Danderyd	15 322	12 437	1 552	2 488
0163 Sollentuna	33 287	24 304	2 312	5 988
0180 Stockholm	499 204	240 390	31 679	93 051
0181 Södertälje	45 649	29 525	3 855	8 656
0182 Nacka	48 269	31 642	3 121	8 584
0183 Sundbyberg	22 667	10 743	1 401	4 728
0184 Solna	40 049	19 514	2 838	7 545
0186 Lidingö	21 598	16 078	2 147	4 258
0187 Vaxholm	5 490	4 269	438	944
0188 Norrtälje	27 195	19 792	3 238	6 020
0191 Sigtuna	21 415	14 062	1 436	4 416
0192 Nynäshamn	12 743	9 376	1 218	2 911
0305 Håbo	10 037	7 280	593	1 805
0319 Älvkarleby	4 368	3 229	540	952
0330 Knivsta	7 987	5 518	413	1 047
0331 Heby	6 722	4 711	809	1 139
0360 Tierp	9 979	6 901	1 238	1 959

A "Footnote" dialog box is open, containing the following text:

Note: The tables show the conditions on December 31st for each respective year according to administrative subdivisions of January 1st of the following year

region:

- 0330 Knivsta: Since 1 January 2003, a new regional division has been established. Parts of Uppsala municipality have formed a new municipality called Knivsta.
- 0331 Heby: Since 1 January 2007, Heby municipality has been transferred from Västmanland county to Uppsala county. The code for Heby has changed from 1917 to 0331.
- 0380 Uppsala: Since 1 January 2003, a new regional division has been established. Parts of Uppsala municipality have formed a new municipality called Knivsta.

The dialog box has a "Close" button at the bottom.

The taskbar at the bottom shows the Start button, several open applications (Windows Stif..., Lars Knudsen..., Dissemination_2..., Microsoft Of...), and the PC-Axis application. The system tray shows the date (DA), time (15:00), and a 100% zoom level.



Features of PC-Axis

- Easy to re-arrange table
- Easy to change texts through large table
- Make calculations in a simple way
- Merging two similar tables
- Linking to tables with e.g. new data
- Exporting to other file formats
- Making graphics very fast
- Link to PX-Map
- Use standard aggregation lists
- Multiple language support – do your own too...



PX-Edit for creating and updating data files

PX-Edit 2011.3.0

File Edit Settings Window Language Help

[1] Population at the first day of the quarter by citizenship, sex and time

File Edit Window Language

		2012Q4	2013Q1	2013Q2	2013Q3
Denmark	Men	2593786	2594427	2593520	2594912
	Women	2633226	2633496	2631964	2633371
Albania	Men	101	105	106	107
	Women	129	128	132	130
Andorra	Men	0	0	0	0
	Women	0	0	0	0
Belgium	Men	551	558	564	536
	Women	437	438	457	429
Bosnia and Herzegovina	Men	5705	5687	5681	5654
	Women	5329	5326	5311	5294
Bulgaria	Men	2709	2872	2997	3126
	Women	2021	2134	2218	2258
Cyprus	Men	24	25	25	23
	Women	22	25	23	26
Estonia	Men	424	439	438	424
	Women	876	891	898	871
Finland	Men	737	715	720	707
	Women	1696	1680	1718	1673
France	Men	3201	3200	3296	3182
	Women	2498	2488	2530	2442
Greece	Men	964	1002	1049	1062
	Women	1000	1000	1000	1000

78 rows x 4 columns = 312 figures

78 rows x 4 columns = 312 figures

en



Features of PX-Edit

- Create PX-files, e.g. from Excel
- Update/add data to existing files
- Change metadata (texts, footnotes etc.)
- Check data (graphics, colors etc.)
- Clone or combine data from files
- Use batch-mode to automatize a process
- ... etc. ... etc. ... etc.



The PX-file format

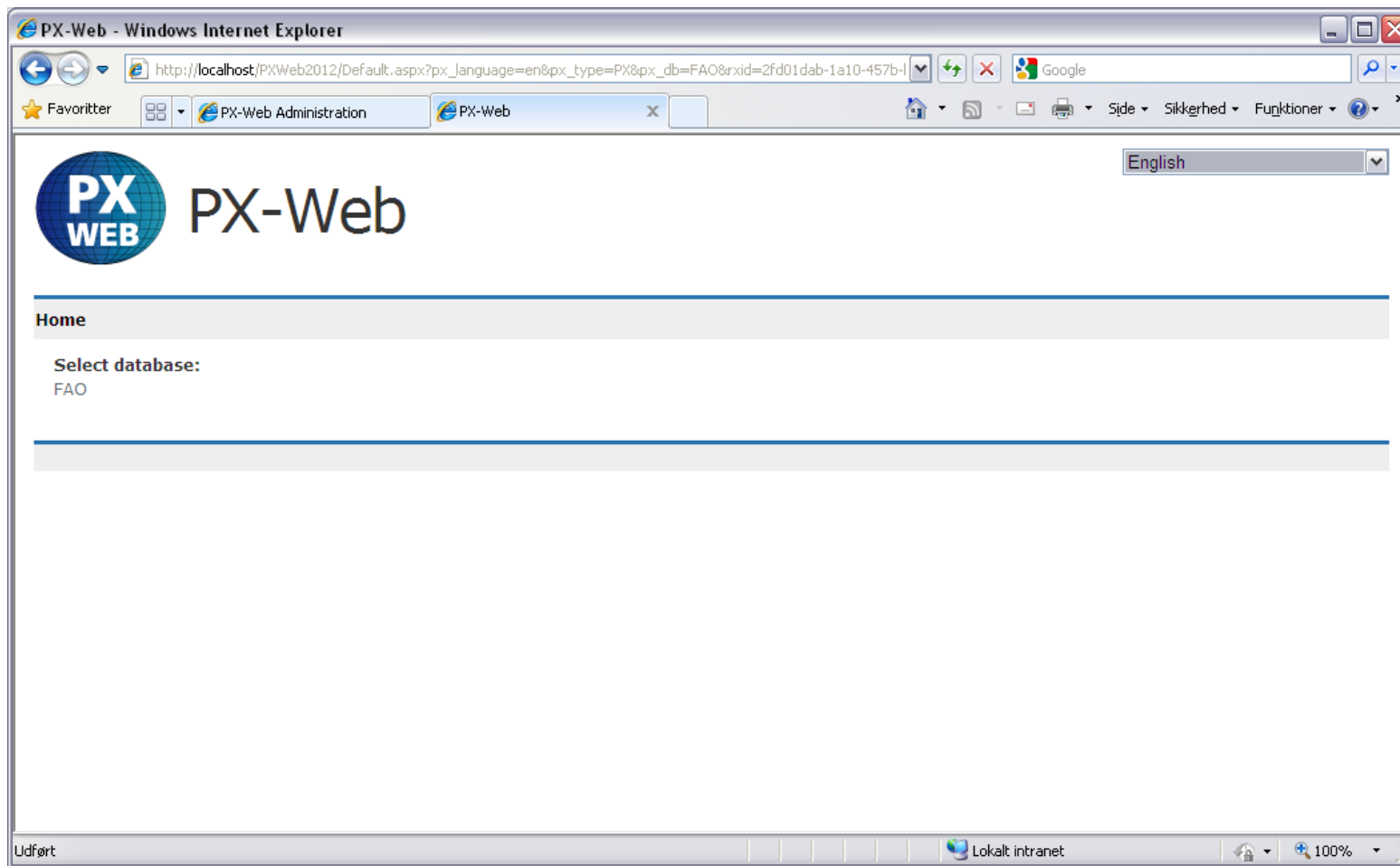
- Simple text-file or XML
- Compact
- Aimed specifically for statistical presentation

```
200811613365535605645BEF1A07[1].px - Notepad
File Edit Format View Help
LANGUAGE="en";
CREATION-DATE="20080116 13:36";
SUBJECT-AREA="Population and elections";
SUBJECT-CODE="02";
MATRIX="BEF1A07";
TITLE="Population 1. January by sex and time";
CONTENTS="Population 1. January";
UNITS="Number";
STUB="sex";
HEADING="time";
VALUES("sex")="Men","women";
VALUES("time")="2005","2006","2007";
TIMEVAL("time")=TLIST(A1),"2005","2006","2007";
CODES("sex")="M","K";
CODES("time")="2005","2006","2007";
DOMAIN("sex")="KOEN";
ELIMINATION("sex")=YES;
DECIMALS=0;
SHOWDECIMALS=0;
LAST-UPDATED="20070220 09:30";
SOURCE="www.statbank.dk/BEF1A07";
DATABASE="StatBank Denmark";
REFPERIOD="år";

DATA=
2677292 2685846 2696662
2734113 2741613 2750422;
```



PX-Web for Internet dissemination





Features of PX-Web

- Powerfull statistical dissemination system
- Support many languages
- Easy to implement and get started
- Minimal system requirements
- [Example](#)

PX-Web, disseminating dynamic tables on Internet

The same way of accessing statistics from a lot of different Statistical Offices

Powered by
PX-WEB

The image shows a collage of various statistical web portals and data tables. The main focus is the 'Statistik halmstad.se' page, which displays a table of population data for 1999 and 2001. Other visible portals include SCB, Eustat, Statistics Iceland, and various regional and national statistical offices.

Statistik halmstad.se

Hitta rätt:
 » Det här gör vi
 » Självbetjäning
 » Vår organisation

» Database - Subject area - Table - Variables and values

Förvärvsarbetande natt- och dagbefolkning 1999-2001 by näringsgren, tid, sysselsatta and antal.

	1999		2001	
	bostad i området antal	arbetsplats i området antal	bostad i området antal	arbetsplats i området antal
Jordbruk, skogsbruk och fiske	807	2	857	2
Tillverkning och utvinning	6729	18	6679	18
Energiproduktion, vattenförsörjning, avfallshantering	290	1	304	1

This page was created by PX-Web. A member of the PC-Axis family.

Henda söa er gjord við PX-Web. Límur av PC-Axis fjölskyldu.

[PC-Axis](#)

[PX-Edit](#)

[PX-Make](#)

[PX-Web 2012](#)

[PX-Web 2013](#)

[PX-Web examples](#)



PX-Web examples

PX-Web data bases in some countries/organisations

- ▶ [National Statistical Service of the Republic of Armenia](#) (PX-Web 2012)
- ▶ [ASEANstats](#) (PX-Web 2012)
- ▶ [Eustat, Basque](#)
- ▶ [Croatian Bureau of Statistics](#)
- ▶ [Statistics Estonia](#)
- ▶ [Statistics Faroe Islands](#)
- ▶ [Statistics Finland](#)
- ▶ [National Statistics Office of Georgia](#) (PX-Web 2012)
- ▶ [Statistics Greenland](#)
- ▶ [Statistics Iceland](#)
- ▶ [Statistics Latvia](#)
- ▶ [Statistics Lithuania](#)
- ▶ [Macedonia Statistics](#)
- ▶ [Statistical Office of the Slovak Republic](#)
- ▶ [Statistical Office of the Republic of Slovenia](#)
- ▶ [Statistics Switzerland](#)
- ▶ [New Zealand](#)
- ▶ [UNECE](#)

Swedish PX-Web examples

- ▶ [Jordbruksverket \(Swedish Board of Agriculture\)](#)
- ▶ [Karlstads kommun](#)
- ▶ [Konjunkturinstitutet \(PX-Web2012\)](#)
- ▶ [Linköpings kommun](#)



Try it yourself

Suggested excersices

1. Go to www.scb.se/pc-axis and select *Products > PX-Web 2012 > Examples*
2. Choose an example of your interest
3. Make a typical user selection (select data for a table, re-arrange, calculate)
4. Save as a PX-file on the local pc (remember where it is stored!)
5. Open the file in PX-Edit