

PxWeb

PX meeting 2021

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PxWeb 2021 v1

New functionality



Reordering list of variables on Selection Page

- Want to get the «Must choose» variables first.
- Makes the content variable to be the first, then time, then variables that are mandatory and then the optional.
- For cnmm 2.3 and 2.4 only.
- Some producers want on/off setting:
<https://github.com/statisticssweden/PxWeb/issues/164>

Autopivot before the result page

- Goal: Less:



The table has been cropped

Maximum of 1000 rows and 30 columns can be displayed on screen.

- Make the table tall and slim
- For cnmm 2.3 and 2.4 only
- Off by default.

Logging of Feature Usage

- Get data on which features are actually the used
- So you may list features according to usage
- Or Change spesiffic table with heavy usage of one feature
- Off in web.config by default
- In V1 only support for CNMM,
- but support for Pxfiles is in github 😊



FeatureUsage logfile


```
1 2021-10-12 09:43:29,191 [48] INFO FeatureUsage - Feature=PIVOT_CCW, Variant=NULL, matrix=PR0101B3
2 2021-10-12 09:43:42,682 [48] INFO FeatureUsage - Feature=PIVOT, Variant=NULL, matrix=PR0101B3
3 2021-10-12 09:44:16,432 [48] INFO FeatureUsage - Feature=CHANGE_TEXT_CODE_PRESENTATION, Variant=NULL, matrix=PR0101B3
4 2021-10-12 09:45:35,112 [38] INFO FeatureUsage - Feature=PER_PART, Variant=OneVariableAllValues, matrix=PR0101B3
5 2021-10-12 09:46:21,801 [38] INFO FeatureUsage - Feature=DELETE_VARIABLE, Variant=NULL, matrix=PR0101B3
6 2021-10-12 10:58:04,186 [7] INFO FeatureUsage - Feature=HideRows, Variant=NoZero, matrix=PR0101B3
7 2021-10-12 11:13:57,528 [38] INFO FeatureUsage - Feature=HideRows, Variant=NoSymbols, matrix=PR0101B3
8
```




Main header


- Control the main header (H1)
 - Table name
 - Statistical area
- Admin setting
- Settings -> General -> Site -> Main header



**PxWeb 2021 v1**


[Home](#) / [Example](#) / [Population](#) / Population by marital status, sex and period



[Choose table](#)


Choose variable

Population by marital status, sex and period


Choose variables


 About table

**PxWeb 2021 v1**


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Population


[Choose table](#)

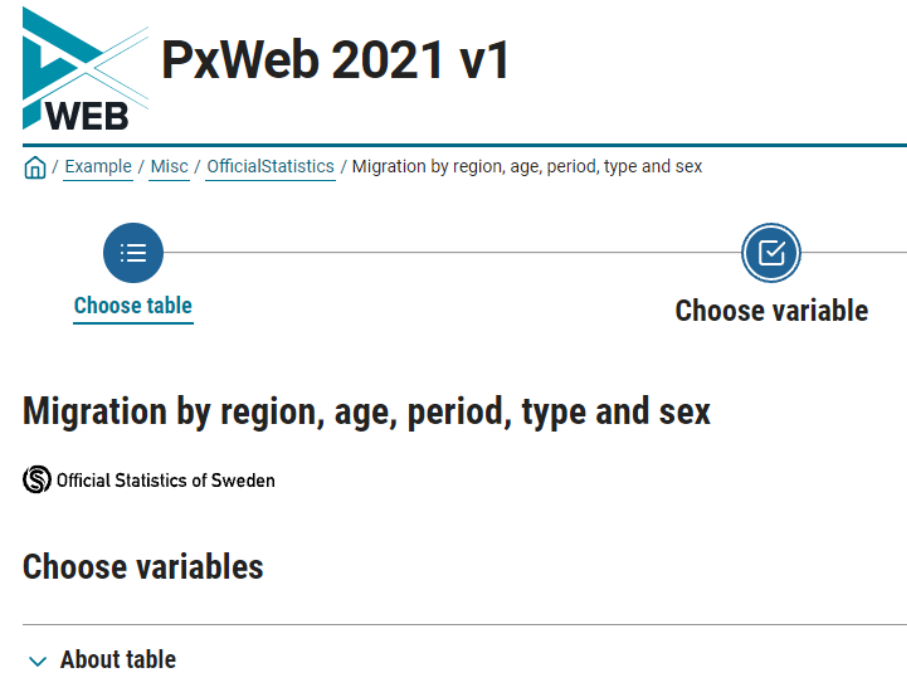

Choose variable

Population by marital status, sex and period

 About table

Official statistics

- Label tables as official statistics
- Admin setting
- Settings -> General -> Global -> Show information types -> Official statistics
- Px file keyword:
 - OFFICIAL-STATISTICS="YES";
- official_statistics_{language}.svg




PxWeb 2021 v1

[WEB](#)

[Home](#) / [Example](#) / [Misc](#) / [OfficialStatistics](#) / Migration by region, age, period, type and sex

[Choose table](#) [Choose variable](#)

Migration by region, age, period, type and sex

 Official Statistics of Sweden

Choose variables

[About table](#)

Improved security configuration

- Make it harder for hackers to attack your web site
- Hide information about your site:
 - IIS version
 - ASP.NET version
- IIS request filtering
 - Deny certain strings in URL:s
 - Deny certain HTTP verbs
 - Increased protection against SQL injection attacks



Added HTTP security headers

- Protects you against different kinds of attacks
- Implemented headers:
 - X-Content-Type-Options
 - X-XSS-Protection
 - Content-Security-Policy
 - X-Frame-Options
 - Referrer-Policy

*“Security headers are **directives** used by web applications to configure security defenses in web browsers”*

“Tells the browser how to behave during communication with the website”



- <https://securityheaders.com/>

Fixed issues

- #57 - Aggregations in subfolders need IIS restart to take effect
- #75 – Focus marker in Choose table view
- #76 - The skiplink doesn't work
- #77 - Incorrect headings
- #96 - Saved query to screen can fail under high memory pressure
- #97 – Reorder of the variables on the selection page
- #104 - Wrong date in JSON-STAT 1.0 output
- Other fixes that was not in the issue list on github



Demo



Developed after 2021 v1



Administration API

- Developed by Statistics Finland
- Clear cache
- Example request:
`https://{pxweb}/api/admin/v1/cache`
- Headers: APIKey: {API key value}
- IP-filter
- More endpoints?
 - Rebuild menu
 - Create search index
 - ...

Save as file bug fix

- Extra byte
- Firewall/proxy can deny request



New CSV formats in API

- Existing CSV:

"region","sex","Population 2013","Population 2014","Population 2015"

"00 Sweden","men",4814357,4872240,4930966

"00 Sweden","women",4830507,4875115,4920051

- CSV2:

"region","sex","year","observations","Population"

"00 Sweden","men","2013","Population",4814357

"00 Sweden","men","2014","Population",4872240

"00 Sweden","men","2015","Population",4930966

"00 Sweden","women","2013","Population",4830507

"00 Sweden","women","2014","Population",4875115

"00 Sweden","women","2015","Population",4920051

- CSV3 (Codes instead of text):

"Region","Kon","Tid","ContentsCode","TAB638"

"00","1","2013","BE0101N1",4814357

"00","1","2014","BE0101N1",4872240

"00","1","2015","BE0101N1",4930966

"00","2","2013","BE0101N1",4830507

"00","2","2014","BE0101N1",4875115

"00","2","2015","BE0101N1",4920051

Questions

