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# User guide for online data searches (STAT-TAB)

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# 1 Introduction

The STAT-TAB interactive database received a complete overhaul in 2023 and now features a modernised frontend built on .NET technology, new search capabilities and multilingual display options.

The homepage has been entirely revamped, with a fresh concept that incorporates a **facet search**. The facet search allows you to filter the collection of cubes by various criteria (theme, variable, source or year). Activating the filter limits the search results and displays only those matching the search criteria. The complete list of cubes can also be sorted by date (last updated) or alphabetically by title.

Another new feature is the possibility to **change language** (where available) at each stage right up to the final table.

## 2 Select cubes by facet search or keyword search

If no filter is applied, STAT-TAB lists all the cubes available in the database in the chosen language. This complete list of cubes can also be sorted by date (last updated) or alphabetically by title.

### 2.1 STAT-TAB facet search

The facet search allows you to filter the collection of cubes by various criteria (=facets) listed in the navigation pane on the left. Activating a filter limits the search results and displays only those matching the search criteria.

The facet search criteria are:

- **Topic** (select one):

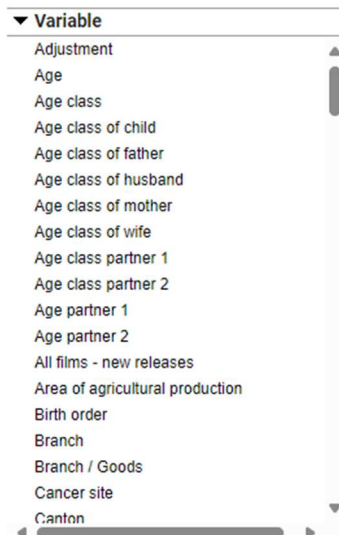
These match the official subject areas for Swiss public statistics:

<https://www.bfs.admin.ch/bfs/en/home/statistics.html>



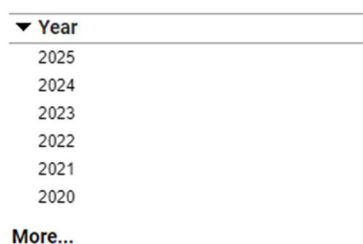
- **Variable** (multiple choice):

This is the list of variables available for the cubes listed on the page. Depending on your choice of variables, the number of results in this list rises or falls. Click "More..." for the full list.



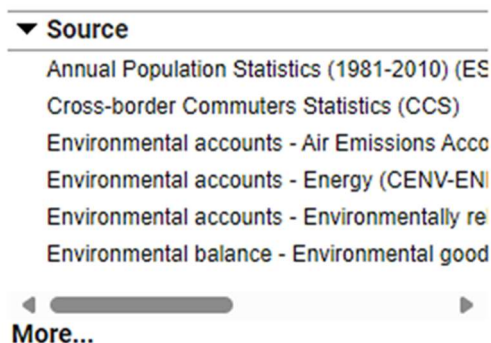
- **Year** (multiple choice):

This is the list of variables available for the cubes listed on the page. Depending on your choice of variables, the number of results in this list rises or falls. Click "More..." for the full list.



- **Source** (select one):

This is a list of the surveys, censuses, registers and other sources from which the data contained in the cubes listed on the page is derived. Click "More..." for the full list.



The facet search criteria narrow the query to help you locate specific statistical data within a smaller subset of cubes. You can narrow the search results further by doing a keyword search.

## 2.2 Keyword search

Another way to search for statistical data among the many cubes listed on the STAT-TAB homepage is by keyword.

For example, if you write 'sy', a selection of keywords will appear in a drop-down list. Select an appropriate keyword.

SY

Symbols

Syria

Syens

system

System

Click on the magnifying glass to start the search or enter another keyword (this only searches cubes also containing the previous keyword).

system, air

Aire

Airolo

air

Air

Once you activate the filter, a list of cubes with the keyword(s) will be displayed.

3 cubes available for "system, air"

system, air,

Order by

Last update

▲

Title

**Air emissions accounts of economy and households**

Unit of measure, Economy and households, Gas, Year

Size: 971Kb | Last update: 26.09.2024 08:30

**Foreign cross-border commuters by canton of work, country of residence, economic division and sex**

Canton of work, Country of residence, Economic division, Sex, Quarter

Size: 14341Kb | Last update: 05.08.2024 08:30

**Foreign cross-border commuters by employment status and economic division**

Employment status, Economic division, Quarter

Size: 236Kb | Last update: 05.08.2024 08:30

The two types of searches can be combined to narrow down the list of cubes in the search results. Important: Doing first a keyword search and then adding faceted search criteria will not be effective. To do a faceted search, restart your search using the facet search criteria (❶) and then refine it using the keyword search (❷).

The screenshot shows a search interface with two main sections. On the left, a sidebar contains a 'Topic' section with '01 - Population (82)' selected, and a 'Variable' section with a list of variables including 'Age', 'Age class', 'Age class of child', 'Age class of father', 'Age class of husband', 'Age class of mother', 'Age class of wife', 'Age class partner 1', 'Age class partner 2', 'Age partner 1', 'Age partner 2', 'Birth order', 'Canton', 'Canton (-) / District (>>) / Commune (.....)', 'Canton of destination', 'Canton of origin', 'Citizenship', 'Citizenship (category)', 'Citizenship (category) of child', and 'Citizenship (category) of father'. On the right, the main content area shows '63 cubes available for "canton"'. Below this, there is a search bar with 'canton,' entered and a magnifying glass icon. The results are ordered by 'Last update' and show a list of cubes. The first cube is 'Female first names of newborns by language region and canton', with a size of 8915Kb and a last update of 23.08.2024 08:30. The second cube is 'Male first names of newborns by language region and canton', with a size of 9321Kb and a last update of 23.08.2024 08:30. The third cube is 'Demographic balance by age and canton', with a size of 47188Kb and a last update of 22.08.2024 08:30. Each cube has a 'px' icon and a 'Stat-Tab' icon.

### 3 Selecting or downloading cubes

When you apply a filter, a list of cubes that match the query is displayed. A title and two icons is displayed for each cube.

This close-up shows a single cube entry. The title 'Demographic balance by age and canton' is highlighted with a red box. Below the title, the variables 'Year, Canton, Citizenship (category), Sex, Age, Demographic component' are listed. The size 'Size: 47188Kb' and the last update 'Last update: 22.08.2024 08:30' are also shown. To the right of the text are two icons: a 'px' icon and a 'Stat-Tab' icon, both of which are also highlighted with red boxes.

To open the cube, click on the title or on the STAT-TAB icon. This allows you to display some or all of the variables available in the cube. The advantage of this action is that it provides multiple options for presenting the results, as well as a variety of export formats.

Cube data can also be downloaded in PC Axis (PX) format using the 'px' icon. The PX-Win software is the desktop version of the same tabulation tool.

It is available at: <https://www.scb.se/en/services/statistical-programs-for-px-files/install-px-win/>

PX-Win lets you view the cube and do searches in much the same way as STAT-TAB. A user guide can be found in the PX-Win 'Help' menu.

Clicking on the STAT-TAB title or icon will display the different variables and values for the cube.



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

STAT-TAB - interactive tables (FSO)

[Deutsch](#)  
[français](#)  
[italiano](#)

[/ px-x-0102020000\\_104 / Demographic balance by age and canton](#)

## Demographic balance by age and canton

### Choose variables

About table

List view

**Year** Mandatory\*

Select all

Deselect all

☐ Beginning of word

Selected 1 of total 43

2023

2022

2021

2020

2019

2018

2017

2016

**Canton**

Select all

Deselect all

☐ Beginning of word

Selected 0 of total 28

Optional variable

Switzerland

Zürich

Bern / Berne

Luzern

Uri

Schwyz

Obwalden

Nidwalden

**Citizenship (category)**

Select all

Deselect all

Selected 0 of total 3

Optional variable

Citizenship (category) - total

Switzerland

Foreign country

**Create a custom table** by selecting your desired values per variable.

- Select one or several values from the list (by holding down the Ctrl or Shift key).
- For variables marked with an asterisk, it is necessary to select at least one value.

To search for a term or number in a variable, type the first few letters (or numbers) in the "Search" box and click the magnifying glass icon. There is also a 'start typing' function that allows you to search by typing the first few letters of a term. Finally, if you launch a second search without resetting the filters, the values you select will be added to those selected of the previous search.

'Hierarchical' variables contain values at multiple levels. If no specific selection is made, all levels will be displayed in the search results. There is a trick to select just one level. Here is an example with the variable 'Canton (-) / District (>>) / Commune (.....)':

Cantons: the – symbol

**Canton (-) / District (>>) / Commune (.....)**

☒ Select all

☐ Deselect all

☒ Beginning of word

Selected 243 of total 2,307

**Optional variable**

- Zürich
- Bern / Berne
- Luzern
- Uri
- Schwyz
- Obwalden
- Nidwalden

Districts: the >> symbol

**Canton (-) / District (>>) / Commune (.....)**

☒ Select all

☐ Deselect all

☐ Beginning of word

Selected 371 of total 2,307

**Optional variable**

- >> Bezirk Affoltern
- >> Bezirk Andelfingen
- >> Bezirk Bülach
- >> Bezirk Dielsdorf
- >> Bezirk Hinwil
- >> Bezirk Horgen
- >> Bezirk Meilen

Communes: the ..... symbol

**Canton (-) / District (>>) / Commune (.....)**

☒ Select all

☐ Deselect all

☐ Beginning of word

Selected 2138 of total 2,307

**Optional variable**

- .....0001 Aeugst am Albis
- .....0002 Affoltern am Albis
- .....0003 Bonstetten
- .....0004 Hausen am Albis
- .....0005 Hedingen
- .....0006 Kappel am Albis
- .....0007 Knonau

Cantons, districts, and communes – three distinct levels – are each preceded by a unique symbol. Enter this symbol in the search window and tick the 'Beginning of row' box. This displays values at the selected level only, as shown in the examples above.

Before the results (customised table) are displayed, you can click on 'Information' and 'Footnotes' at the bottom of the page to see more cube metadata, or 'marking tips' for tips on selecting values.

## 4 Displaying the search results

When you have finished selecting your values, click 'Show table'.



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STAT-TAB - interactive tables (FSO)

Deutsch

français

italiano

/ px-x-0102020000\_104 / Demographic balance by age and canton

### Demographic balance by age and canton

#### Choose variables

▼ About table

List view

**Year** Mandatory\*

Select all

Deselect all

☐ Beginning of word

Selected 1 of total 43

2023

2022

2021

2020

2019

2018

2017

2016

**Canton**

Select all

Deselect all

☐ Beginning of word

Selected 1 of total 28

Optional variable

Switzerland

Zürich

Bern / Berne

Luzern

Uri

Schwyz

Obwalden

Nidwalden

**Citizenship (category)**

Select all

Deselect all

Selected 1 of total 3

Optional variable

Citizenship (category) - total

Switzerland

Foreign country

**Sex**

Select all

Deselect all

Selected 1 of total 3

Optional variable

Sex - total

Male

Female

**Age**

Select all

Deselect all

☐ Beginning of word

Selected 1 of total 102

Optional variable

Age - total

0 years

1 year

2 years

3 years

4 years

5 years

6 years

**Demographic component**

Mandatory\*

Select all

Deselect all

☐ Beginning of word

Selected 1 of total 16

Population on 1 January

Live birth

Death

Natural change

Immigration incl. change of population typ

In-migration from another canton

Emigration

Show table

The resulting table will look like this:



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

STAT-TAB - interactive tables (FSO)

Deutsch

français

italiano

 / px-x-0102020000\_104 / Demographic balance by age and canton

Demographic balance by age and canton

Result

▼ About table

▼ Show result as...

▼ Edit and Calculate

▼ Save result as...

▼ Save your query

▼ Hide empty rows

↗ Fullscreen

|      |             |                                |             |             | Population on 1 January |
|------|-------------|--------------------------------|-------------|-------------|-------------------------|
| 2023 | Switzerland | Citizenship (category) - total | Sex - total | Age - total | 8,815,385               |

^ Footnotes

Meta information:

Last modified: new data set (2023)

Data updated: August 2024

Survey period: 1 January - 31 December

Spatial reference: cantons / 01.01.2022

Data source: 1981-2010 Annual Population Statistics (ESPOP), from 2011 Population and Households Statistics (STATPOP)

The demographic balance shows changes in the population size due to natural increase (births, deaths) and net migration (immigration, emigration, arrivals and departures between cantons) and any necessary statistical corrections.

ESPOP was a composite statistic based on the vital statistics (BEVNAT), the Statistics of the Foreign Resident Population (PETRA) and the Migration Statistics of the national population. In addition, it was also based on the Federal Population Census from 1990 and 2000. ESPOP used the demographic balancing equation. With this method, the population size is calculated as at 31 December of a particular calendar year by taking the population size as at 31 December of the previous year and adding births and immigration of the respective year and subtracting deaths and emigration.

## 4.1 Change the layout

The resulting table can be displayed using several predefined layouts using the 'Show result as' collapsible menu.

^ Show result as...

☐ Show table

☒ Table - Layout 2

☐ Sortable table

☐ Chart - Bar

☐ Chart - Bar stacked

☐ Chart - Bar stacked 100%

☐ Chart - Horizontal bar

☐ Chart - Horizontal bar stacked

☐ Chart - Horizontal bar stacked 100%

☐ Chart - Line

☐ Chart - Bar and line

☐ Chart - Population pyramid

☐ Chart - Pie

☐ Chart - Area

☐ Chart - Area stacked

☐ Chart - Area stacked 100%

☐ Chart - Point

☐ Chart - Radar

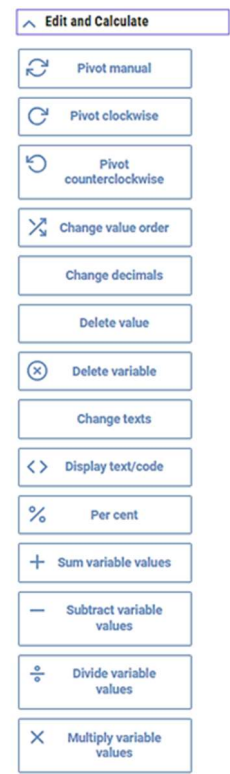
Show

9

do-e-00.02-px-01.pdf /

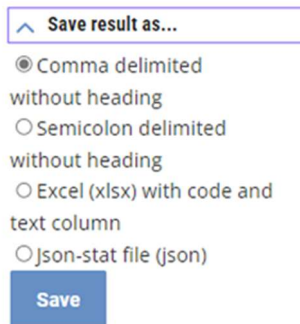
## 4.2 Edit and calculate

There are several ways to change the layout of the data in the table using the **'Edit and calculate'** collapsible menu, including 'pivot' and other layout options. You can also change how the individual values are displayed e.g. change the number of decimals, calculate percentages, calculate the sum of the variable (or of the values for one variable).



## 4.3 Save your results

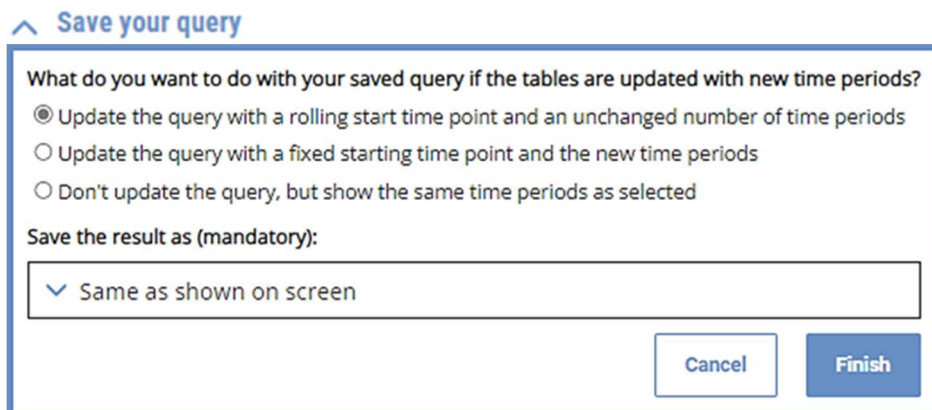
To export the resulting table, click '**Save result as**' and select your desired format.



A dialog box titled "Save result as..." with a dropdown arrow on the left. It contains five radio button options: "Comma delimited without heading" (selected), "Semicolon delimited without heading", "Excel (xlsx) with code and text column", and "Json-stat file (json)". A blue "Save" button is at the bottom.

## 4.4 Extract and save your query

You can save your query in one of three ways:

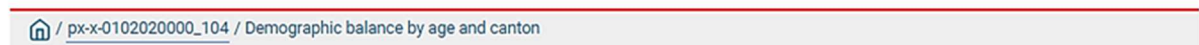


A dialog box titled "Save your query" with a dropdown arrow on the left. It contains a question: "What do you want to do with your saved query if the tables are updated with new time periods?". Below the question are three radio button options: "Update the query with a rolling start time point and an unchanged number of time periods" (selected), "Update the query with a fixed starting time point and the new time periods", and "Don't update the query, but show the same time periods as selected". Below these options is a label "Save the result as (mandatory):" followed by a dropdown menu showing "Same as shown on screen". At the bottom right are "Cancel" and "Finish" buttons.

Saving the query generates a link that you can copy and paste or send to yourself by email.

## 5 New search

To launch a new search for the same cube, click on the cube title or the number "px-x..." in the navigation bar.



The home icon takes you back to the STAT-TAB homepage.

## 6 More information

For questions regarding data or their availability, please contact the section responsible for the relevant topic. Contact details can be found under the 'Information' heading on the detailed page of each cube.

If you have any questions about how STAT-TAB works, please contact the Data Dissemination DD service:

Tel. +41 58 46 742 22

[data@bfs.admin.ch](mailto:data@bfs.admin.ch)