

Users Guide

Statbus

The web system for Statistical Business Register SBR

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Introduction

Welcome to the **Statbus User Guide**. This guide assumes you have a fully installed Statbus system, initially set up without any data. It will walk you through the process of loading and configuring Statbus to meet your specific requirements.

In case you have not yet installed the Statbus software please study the Installation Guide located at:

<https://github.com/statisticsnorway/statbus/blob/master/INSTALL.md>

For a general overview of the system and its architecture, see the project README at:

<https://github.com/statisticsnorway/statbus/blob/master/README.md>

Before getting started, it is essential to familiarize yourself with the system's two key elements: **activity categories** and **regions**. These form the backbone of Statbus, enabling powerful grouping and drill-down capabilities. To maximize the system's functionality, ensure that your business units are loaded using the same codes defined for activity categories and regions. Note that errors will occur if you attempt to load business units using the **NACE** standard when the system is configured for **ISIC** codes.

File Format Requirements

Statbus requires data in **UTF-8 encoded CSV files**. To ensure your files are correctly formatted:

- Use text editors like **Notepad++** or **Visual Studio Code** to verify or convert files to UTF-8 encoding.
- Be cautious with **Microsoft Excel**, as it may inadvertently save files in **UTF-8 BOM** format, which can lead to compatibility issues. Additionally, Excel may omit leading zeros in numeric fields, which are often critical for Statbus.

Data Loading Logic

When loading data, Statbus uses an **upsert logic**:

- If two rows with identical IDs are loaded, the second row will update (overwrite) the first.
- This ensures efficient data management but requires careful handling of your input files to avoid unintended overwrites.

Path Syntax in Hierarchies

Some data loads in Statbus utilize a **path hierarchy** syntax. This structure represents hierarchical relationships using a dot-separated format. Each level in the hierarchy is a numeric segment separated by dots, making it intuitive and widely applicable. For example:

- 1 represents the top level (e.g., "Europe").
- 1.047 might represent a sub-level (e.g., "Norway").
- 1.047.0301 represents a deeper sub-level (e.g., "Oslo").

This approach provides a clear, logical structure for organizing and accessing data within the system.

Key Concepts

Temporal Data: valid_from and valid_to

Statbus is a temporal database, meaning every record tracks exactly when it was valid using valid_from and valid_to dates. This allows the system to answer historical questions such as 'How many enterprises were active in Oslo during 2023?' without discarding old data. When editing a unit, always set the correct valid_from date for the change. Dates are inclusive: a unit active throughout 2023 would have valid_from: 2023-01-01 and valid_to: 2023-12-31.

Three Access Levels

Statbus offers three progressive levels of access, all protected by the same PostgreSQL Row Level Security:

Level 1 - Web Interface: Import, search, view, edit, and generate reports. This is what most users will use day-to-day.

Level 2 - REST API: Programmatic access using an API key. The web interface itself uses these same endpoints, so you can copy browser requests directly into scripts or tools such as Python and R.

Level 3 - Direct PostgreSQL: Full SQL access via psql, DBeaver, or similar clients. Security is enforced at the database layer regardless of which level you use.

The Command Palette

The Command Palette (keyboard shortcut: Ctrl + Shift + K) is a central control panel available from any screen in Statbus. It provides quick access to all import and upload sections, system settings, data reset options, and upgrade controls. Throughout this guide, many instructions refer to the Command Palette. Admin users see additional options such as managing users, configuring statuses and identifiers, and triggering system upgrades.

Loading Statbus with Classifications

Statbus includes some general, preloaded data that you do not need to upload manually. This data currently consists of the **activity categories** based on **ISIC Rev. 4** and **NACE Rev. 2.1**, as well as **2-digit country codes**.

To simplify Statbus, make it easier to use, and ensure it's tailored to your needs, we've designed a user-friendly wizard. This wizard streamlines the process, enabling you to focus on loading only the data that is unique to your country.

Step 1 Installation Country

In the very beginning of the loading steps, the NSO need to define their country, this setting is also later used to filter domestic units. Demo database is using UN, and any international use of Statbus can use UN with a country city hierarchy as shown in our demo,

Step 2 ISIC or NACE

The first step in the wizard requires you to select either the **ISIC** or **NACE** classification system.

This selection is mandatory, and you cannot proceed without making a choice.

Figure 1. Statbus loading wizard

Be aware there is description and help below the selections.

Step 3. Custom Activity codes (optional)

To customize activity codes, it's crucial to use the same standard (either **NACE** or **ISIC**) that you selected in **Step 2**. Typically, classifications (Steps 1–5) rely on the **path syntax** to define hierarchical relationships. However, it's important to note that the NACE standard includes periods (dots) within its own coding structure, which can sometimes cause confusion.

Statbus provides flexibility by allowing you to configure activity codes **with or without periods**:

- When loading **units later**, you can use NACE/ISIC codes without periods.
- However, when defining the **activity category tree**, the periods must always be included to represent parent/child relationships.

Key Rules for Custom Activity Categories

1. **Parent-Child Hierarchy:** As with regions, each child can only have **one parent**.
2. **Custom Levels:** You can add new levels under existing parents already present in the system.

3. **Descriptions and Localization:** You can modify descriptions of existing paths or codes to reflect different languages or provide custom labels (e.g., local translations).

Examples

Below are screenshots of two sample files for custom activity category configurations. Remember, this customization is optional, and it's recommended to use only one custom activity category file for your system.

```
C: > Users > RSB > Downloads > custom_activity_categories.example (13).csv
1 path,name
2 A,Farming and Fishing
3 A.01,Farming Forestry and Fishing
4 F.42.1.0.1,Rail double custom
5 F.43.3.0.1,Finishing work custom
6 J.63.1.2.2,Statbus UX
7 J.63.1.2.1,Statbus Software Custom
```

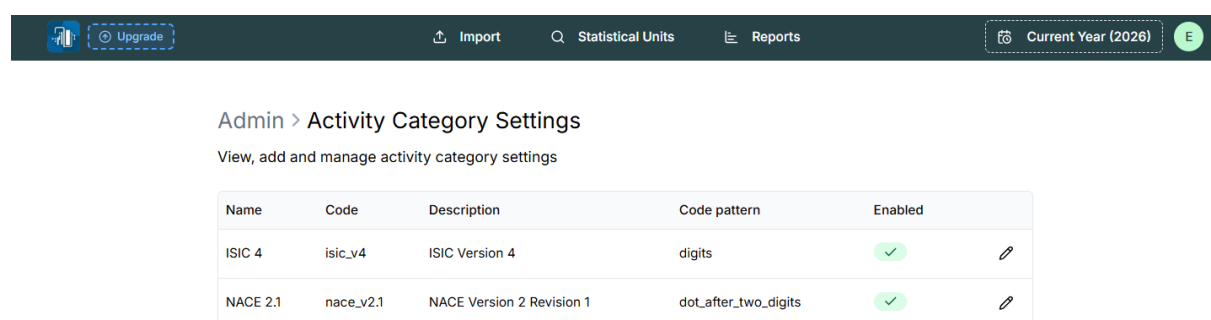
Figure 2. Sample changing text, and adding custom codes (ISIC)

```
1 path,name
2 A,الزراعة والحراجة وصيد الأسماك
3 A.01,أنشطة زراعة المحاصيل والإنتاج الحيواني والصيد والخدمات المتصلة
4 A.01.1,زراعة المحاصيل غير الدائمة
5 A.01.1.1,باستثناء الأرز) والمحاصيل البقولية والبذور الزيتية) زراعة الحبوب
6 A.01.1.2,زراعة الأرز
7 A.01.1.3,زراعة الخضار والبطيخيات والجذور والدرنات
8 A.01.1.4,زراعة قصب السكر
9 A.01.1.5,زراعة التبغ
10 A.01.1.6,زراعة محاصيل الألياف
11 A.01.1.9,زراعة المحاصيل الأخرى غير الدائمة
12 A.01.2,زراعة المحاصيل الدائمة
13 A.01.2.1,زراعة الأعشاب
14 A.01.2.2,زراعة الفواكه المدارية وشبه المدارية
15 A.01.2.3,زراعة الحمضيات)الموالج
16 A.01.2.4,زراعة الثمار التفاحية والثمار ذات النواة
17 A.01.2.5,زراعة أشجار وشجيرات الفاكهة الأخرى والجوزيات
18 A.01.2.6,زراعة الثمار الزيتية
```

Figure 3. Using a different language on existing codes (ISIC)

When loading units later, we strongly recommend loading activity categories at the **lowest level**. This allows you to fully leverage Statbus's reporting and drill-down capabilities, as well as streamline the process of creating samples.

Within the database, it's possible to adjust the code pattern. This is particularly useful when working with the **NACE standard**, if your activity categories do not include dots. To configure this, simply update the `code_pattern` field in the `activity_category_standard` table. By doing so, you can work with plain numeric codes in your unit files.



Name	Code	Description	Code pattern	Enabled	
ISIC 4	isic_v4	ISIC Version 4	digits	✓	
NACE 2.1	nace_v2.1	NACE Version 2 Revision 1	dot_after_two_digits	✓	

Figure 4. Defining weather activity codes in the csv files contain digits. This can be done inside Statbus Admin.

Once you have successfully loaded your custom activity categories, the wizard should display the updated configuration. Be sure to check the **status column** on the left-hand side, which shows the number of records loaded for each step.

Step 4. Upload Region / Geography Hierarchy

Uploading a region hierarchy is one of the more complex aspects of configuring Statbus. To ensure a smooth process, use region codes that are recognized and reported by your data sources.

While it is technically possible to configure Statbus with a flat structure or no hierarchy at all, this approach is not recommended. Future updates of this user guide may include guidance for such configurations.

Statbus supports hierarchies with **n levels**, offering flexibility to represent regions at varying levels of detail. For example, we’ve successfully tested configurations with 5 and 6 levels of hierarchy for countries. However, keep in mind that increasing the number of levels can lead to more detailed—and potentially less familiar—regional groupings.

In practice, you can report data at different levels within the same hierarchy. For instance, it’s acceptable to have one data source reporting at level 4 and another at level 5. However, consider this carefully when planning to drill down into your data, as it can affect the clarity of your reports.

To fully leverage Statbus’s grouping, drilling, and reporting capabilities, we strongly recommend loading business units (discussed later) at the **lowest level** of the hierarchy. This ensures you can take advantage of the system’s full analytical power.

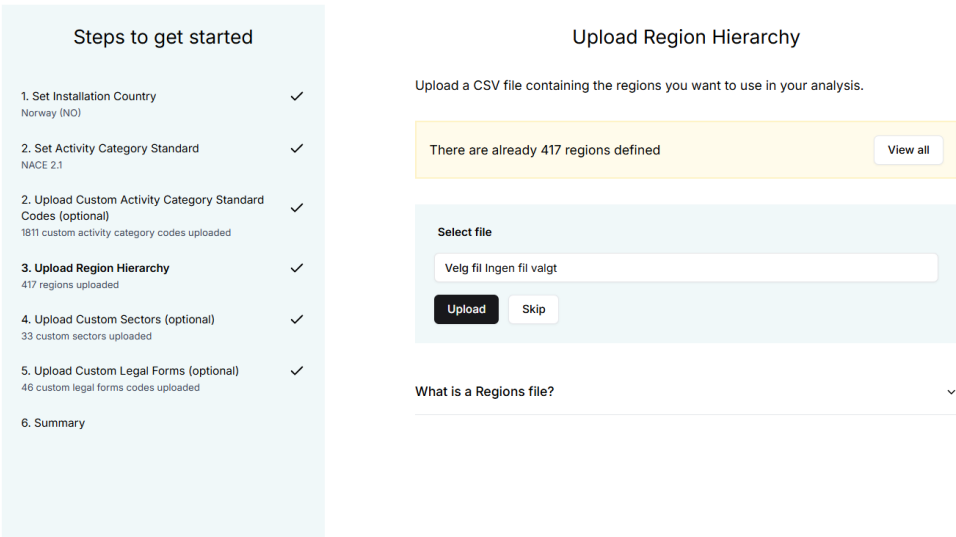


Figure 5. Upload Regional Hierarchy

Understanding the required csv format

Before you begin, ensure you understand the required CSV file format. The system includes sample files that can serve as templates. By downloading

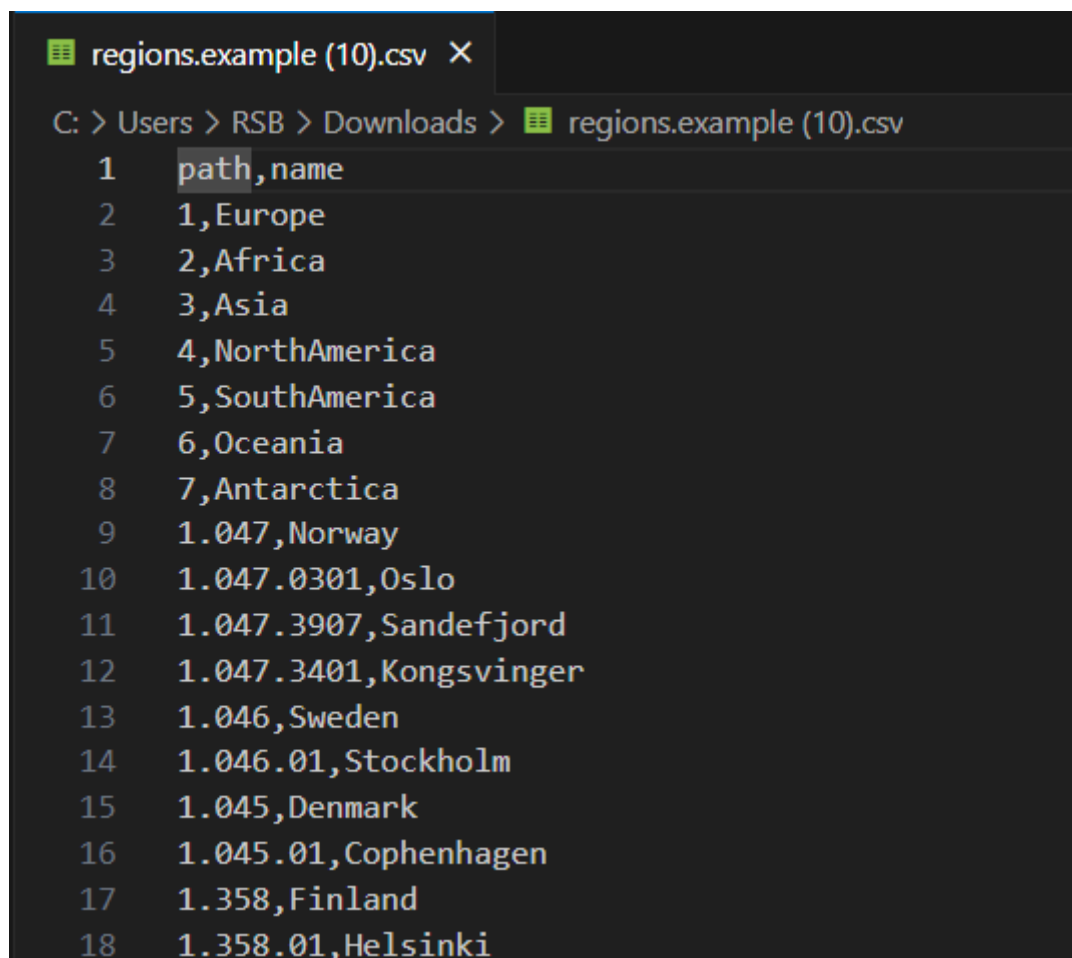
and uploading these sample files into your Statbus installation, you can set up the current version of the **demo-Statbus** for reference.

The demo version of Statbus uses **dummy test data** at a higher level of aggregation, designed to be simple and easy to understand. While Statbus is theoretically capable of handling data from multiple countries, each installation is currently designed to manage data for only one **National Statistical Office (NSO)**.

Key points to keep in mind:

- **Parent-Child Hierarchy:** Each region can have only **one parent** in the hierarchy.
- **Physical Region Codes:** When loading units later, ensure that you **do not use dots** in the `physical_region_code`.

By adhering to these guidelines and referencing the provided sample files, you can ensure a smooth setup and avoid common pitfalls.



The screenshot shows a file explorer window with the title bar 'regions.example (10).csv'. The address bar displays the path 'C: > Users > RSB > Downloads > regions.example (10).csv'. The file's contents are displayed as a list of 18 lines, each with a line number and a comma-separated value. The values represent a hierarchy of regions and their sub-units.

Line	Value
1	path,name
2	1,Europe
3	2,Africa
4	3,Asia
5	4,NorthAmerica
6	5,SouthAmerica
7	6,Oceania
8	7,Antarctica
9	1.047,Norway
10	1.047.0301,Oslo
11	1.047.3907,Sandefjord
12	1.047.3401,Kongsvinger
13	1.046,Sweden
14	1.046.01,Stockholm
15	1.045,Denmark
16	1.045.01,Copenhagen
17	1.358,Finland
18	1.358.01,Helsinki

Defining the Hierarchy

When defining your hierarchy in Statbus, keep the following key rules in mind:

- **Dot as a Level Indicator:** The . character denotes a new level in the hierarchy. For example:
 - Europe must be defined before its child, Sweden.
 - Sweden must be defined before its child, Stockholm.
- **Order Matters:** Ensure that parent regions are defined **before** their child regions in your data file.
- **Handling Names with Commas:** If a region name contains a comma, enclose the name in **double quotes** to ensure proper parsing.
 - For example: "New York, NY".
- **File Delimiters:** Always use a **comma** as the delimiter in your CSV files, as this is required by the Statbus system.
- **Column Names:** The column names in your CSV file must match the column names recognized by the Statbus system.
- **Path Formatting:**
 - The **path cannot start or end with a dot.**
 - Example: 1.047 is valid, but .1.047 or 1.047. are not.

By following these guidelines, you can ensure that your hierarchy is correctly structured and easily integrated into Statbus.

Step 5 Upload custom Sectors (optional)

Sectors in Statbus are an optional feature that can be used to categorize entities or organizations within an economy based on specific sectors. This classification system allows for greater flexibility in analyzing and organizing data.

Each row in the sectors file represents a unique sector or sub-sector and includes the following information:

- **Hierarchical Path:** Indicates the sector's position within a broader classification structure, using dot notation for hierarchy.
- **Name:** A descriptive label for the sector.
- **Description:** Additional details about the sector's scope, characteristics, or inclusion criteria. This can provide important context, such as distinctions between:
 - **Non-financial vs. financial entities.**
 - **Ownership types** (e.g., state-owned vs. privately owned).
 - **Economic activities** (e.g., market production vs. non-market activities).

Sectors are particularly valuable for **statistical offices** in:

- Maintaining an up-to-date **business registry**.
- Conducting targeted **business surveys**.
- Producing comprehensive **national statistics**.

This categorization also facilitates the comparison of economic data across countries by aligning with international standards.

Sample File

Statbus includes a sample sector file to help you get started. These files can be customized and loaded in **any language**, providing flexibility for diverse data environments.

A screenshot of the sample sector file follows on the next page, if you do not need this file, the step can be skipped as it is optional.

	A	B	C
1	path	name	description
2	DOMESTIC	Domestic sectorstop	Domestic sectorstop
3	DOMESTIC.A	Non-financial corporations	Non-financial corporations
4	DOMESTIC.B	Financial corporations	Financial corporations
5	DOMESTIC.C	General government	General government
6	DOMESTIC.D	Non-profit institutions serving hou	Non-profit institutions serving households
7	DOMESTIC.E	Households	Households
8	DOMESTIC.A.1110	Public unincorporated enterprises	Public unincorporated enterprises owned by central government
9	DOMESTIC.A.1120	Public incorporated enterprises ov	Public incorporated enterprises owned by central government
10	DOMESTIC.A.1510	Public unincorporated enterprises	Public unincorporated enterprises owned by local government
11	DOMESTIC.A.1520	Public incorporated enterprises ov	Public incorporated enterprises owned by local government
12	DOMESTIC.A.2100	Private non-financial incorporat	Private non-financial incorporated enterprises
13	DOMESTIC.A.2300	Private non-financial unincorpora	Private non-financial unincorporated enterprises
14	DOMESTIC.A.2500	Private non-profit institutions serv	Private non-profit institutions serving enterprises
15	DOMESTIC.B.3100	National bank	National bank
16	DOMESTIC.B.3200	Banks	Banks
17	DOMESTIC.B.3500	Mortgage companies	Mortgage companies
18	DOMESTIC.B.3600	Finance companies	Finance companies
19	DOMESTIC.B.3900	State lending institutions etc	State lending institutions etc

Figure 6. Sector file with hierarchy

Step 6. Legal forms (custom optional)

Legal forms are also optional to include. Here is the sample file that comes with the system:

	A	B	C
1	code	name	
2		1 Public limited company (SA)	
3		2 Limited Liability Company (SARL)	
4		3 Individual Company (EI)	
5		4 Cooperative	
6		5 Collective Name Company (SNC)	
7		6 Professional Civil Society (SCP)	
8		7 Simplified Public Limited Company (SAS)	
9		8 Public Company (EP)	
10		9 Autonomous Authority (RA)	
11		10 Limited Partnership (SCS)	
12		11 Limited Partnership by Share (SCA)	
13		12 Civil and Real Estate Society (SCI)	
14		13 Economic Interest Group (GIE)	
15		14 De facto or Participation Company (SFP)	
16		15 Permanent Establishment of Non-Resident Companies	
17		16 Limited Liability Company A Sole Shareholder (SARL AU)	
18		20 Other	
19			
20			
21			

Figure 7. Legal Forms

In your legal unit file(s) you will need to use the code, then you will get the correct responding name inside the system.

Once you have successfully loaded your custom classification, the wizard should display the updated configuration. Be sure to check the **status column** on the left-hand side, which shows the number of records loaded for each step.



Steps to get started

1. Set Activity Category Standard ISIC 4	✓
2. Upload Region Hierarchy 87 regions uploaded	✓
3. Upload Custom Sectors (optional) 33 custom sectors uploaded	✓
4. Upload Custom Legal Forms (optional) 17 custom legal forms codes uploaded	✓
5. Upload Custom Activity Category Standard Codes (optional) 6 custom activity category codes uploaded	✓
6. Summary	

Summary

The following steps need to be completed in order to have a fully functional Statbus. If you have not completed some of the steps, you can click the links to complete the steps.

- ✓ You have configured Statbus to use the activity category standard ISIC 4.
- ✓ You have uploaded 87 regions.
- ✓ You have uploaded 33 custom sectors.
- ✓ You have uploaded 17 custom legal forms.
- ✓ You have uploaded 6 custom activity categories.

[Start importing units](#)

Now, we are ready to move on to loading units. Be aware without loading a regional hierarchy, and selecting the correct activity category standard the advantage of Statbus is very limited.

Loading Units

Legal Units (Formal)

When loading **Legal Units**, Statbus will automatically create a corresponding **Statistical Enterprise**. If you later load **Establishments** associated with a Legal Unit, they will be linked to the already created Statistical Enterprise.

For **Informal Establishments** (those without Legal Units), Statbus will create a new Statistical Enterprise for each establishment during the load process.

Identifiers

Statbus comes with two default identifiers: `tax_ident` and `stat_ident`. If additional identifiers are needed, they must be added to the system **before** loading the units.

Loading Legal Units

When loading Legal Units, observe the following guidelines:

- The **physical_region_id** typically contains low-level region codes **without dots**.
- The **ISIC** activity categories should contain **only digits** (no periods).
- **Load at the lowest possible level** whenever possible to maximize grouping and reporting capabilities.

ID Requirements and Date Formatting

- **Unique IDs** are required for each unit.
- Date columns must be valid. For example, **2024** is not a valid date. Use **01.01.2024** instead.
- The **country code** must be the **2-digit country code**. Statbus includes a list of country codes and names, but if you are using units from different countries, ensure you use the appropriate **standard country codes**.

Data Source Codes

Statbus includes predefined **data_source_codes**. If you need additional codes, they must be added to the database **before** loading the units. Generally, **classifications and customizations** should be completed before loading units, but this guide focuses on the standard loading process to give you hands-on experience with the system.

Statistical Variables

The two default statistical variables are **turnover** and **employees**. For adding other variables, refer to the **customization** chapter.

If you are only loading Legal Units, you can skip the rest of the wizard. Once the load is complete, you'll be directed to the **Status Dashboard**. From any screen in Statbus, you can always click the **Statbus icon** in the upper-left corner to return to the dashboard.

	A	B	C	D	E	F	G	H	I	J	K	L
1	tax_ident	stat_ident	name	birth_date	physical_region_c	physical_region_c	primary_activity_c	legal_form_c	sector_code	employees	turnover	data_source_c
2	2212760144	1	NILE PEARL WA	01.10.2016	225613	UG	4752	4	6100	2	9000000	nlr
3	2812760140	2	EQUATOR GLOE	01.10.2016	225602	UG	5610	1	6100	2	2400000	nlr
4	2212760084	3	EQUATOR CIRCI	01.01.2018	225613	UG	5630	1	6100	1	300000	nlr
5	2612760138	4	LIRA FRESH FRU	01.01.2019	225613	UG	0122	1	4500	2	2000000	nlr
6	2812760130	5	ENTEBBE FUEL E	01.01.2018	225613	UG	5630	1	4500	2	900000	nlr
7	2312760075	6	ZEBRA HAVEN S	01.08.2022	225602	UG	1410	1	4500	0	360000	nlr
8	2407020166	7	KAMPALA DIGIT	01.10.2014	225602	UG	9200	1	6100	7	10000000	nlr
9	2602025168	8	MARINE SERVIC	01.10.2022	225602	UG	3314	4	6100	10	90000000	nlr
10	2612760118	9	NILE TEXTILES	01.10.2016	225602	UG	1311	1	6100	1	1200000	nlr
11	2815384160	11	KAMPALA Coffe	01.01.2018	225602	UG	462	4	6100	4	800000	nlr
12	2507020167	12	VICTORIA FRESH	01.01.2015	225602	UG	0123	1	6100	8	12000000	nlr
13	45000	13	Statistics Denm	01.11.2024	104501	DK	5820	1	6100	12	1200000	nlr
14	358000	14	Statistics Finla	01.11.2024	135801	FI	5820	1	6100	34	800000	nlr
15	46001	15	Statistics Swee	01.11.2024	104601	SE	7410	1	6100	65	12000000	nlr
16	5340521	16	Morocco Trade	01.11.2024	22121	MA	7410	1	6100	4	23000000	nlr
17	2220794	17	Office Picture C	01.11.2024	22122	MA	8211	1	6500	2	55000000	nlr
18	22501	18	Statistics Ethio	01.11.2024	225101	ET	712	1	6100	3	30000000	nlr
19	397611	19	Erdenes Tavan	01.11.2024	397601	MN	6312	1	6100	2	500000	nlr
20	397622	20	Oyu Tolgoi LLC	01.11.2024	397601	MN	1311	1	6100	6	3000000	nlr
21	2200019	21	Rainbow shopp	01.11.2024	39621	JO	0123	1	6100	1	5800000	nlr
22	3300598	22	Amman RIAD 1	01.08.2022	39621	JO	0123	1	6100	2	400000	nlr
23	4711111	230	Statistics Norw	01.11.2024	10470301	NO	63121	1	6100	1	750000	nlr
24	3998011	231	MANUAL Auto U	01.12.2024	399801	UZ	4730	1	6100	1	1200000	nlr

Formal Establishment Units

Formal establishment units are similar to legal units; however, they do not contain information on legal form or sector.

Each formal establishment must include a link (column) referencing the identifier of its corresponding legal unit.

A sample file of establishments is provided with the Statbus installation.

Informal Establishment Units

Informal establishment units are similar to formal establishments, but they must not have any link or connection to a legal unit.

This option is typically used for representing the informal sector and for census-related data.

Within Statbus, informal and formal establishments are displayed using different colors to distinguish between them.

Enterprise groups / power groups / groups of legal Units

Support for “power groups” (enterprise groups or groups of legal units) is currently under development and not yet fully implemented.

The project will continue to gather requirements to ensure future compatibility with EU standards.

Regarding merging functionality:

- The current version supports merging two legal units. – using time
- Improvements are needed to support merging of establishment units.
- Logging of merged units and removed statistical enterprises should be implemented.

The long-term goal is to:

- Display power groups in a top-down structure.
- Enable this new unit type in existing charts and reports.

Dashboard Overview

The **Status Dashboard** provides an overview of your system. In most cases, you will see additional "hits" in the **Data Quality** section at the bottom of the screen. These will guide you to any issues or problems that need attention.

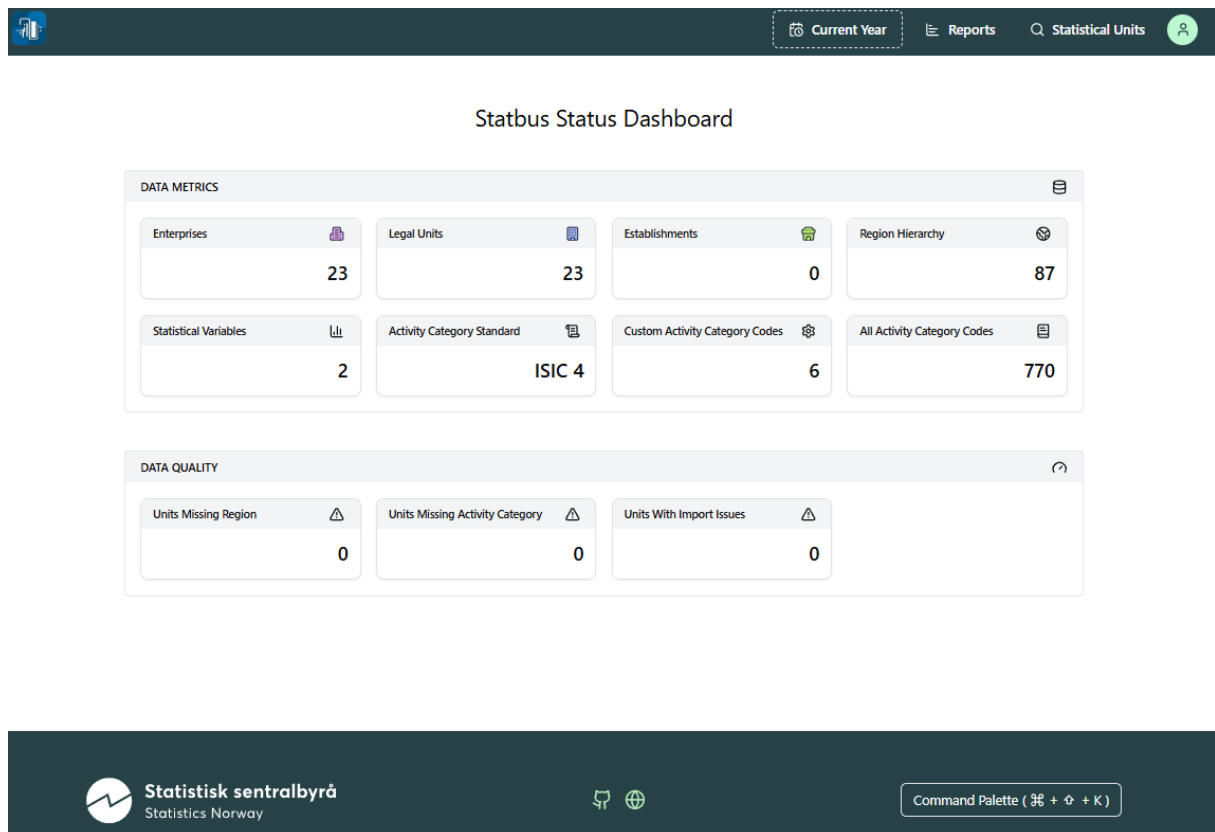


Figure 8. Data Dashboard Statbus landing page

From the Dashboard you can click on the Regional Hierarchy to see you Regional Hierarchy and the Activity Categories. You will also see the “behind the scenes codes”, that are used to match with the unit files.

			Current Year	Reports	Statistical Units	
--	--	--	--------------	---------	-------------------	--

Region Hierarchy

Filter by code
Reset Search

Code	Path	Name
1031	1.031	Netherlands
1033	1.033	France
1034	1.034	Spain
1041	1.041	Switzerland
1044	1.044	UnitedKingdom
1045	1.045	Denmark
104501	1.045.01	Copenhagen
1046	1.046	Sweden
1047	1.047	Norway
10473401	1.047.3401	Kongsvinger

Showing 1-10 of total 56 results
Page 1 of 6

Figure 9. Regional hierarchy, with search

For the Activity categories you can filter and search for custom and standard activity codes. Codes that you have only changed the text, will also appear as customized.

				Current Year	Reports	Statistical Units	
--	--	--	--	--------------	---------	-------------------	--

Activity Categories

Filter by code
Filter by name
Custom Filter
Reset Search

Code	Path	Custom	Name
	A	☒	Farming and Fishing
01	A.01	☒	Farming Forestry and Fishing
011	A.01.1	☐	Growing of non-perennial crops
0111	A.01.1.1	☐	Growing of cereals (except rice), leguminous crops and oil seeds
0112	A.01.1.2	☐	Growing of rice
0113	A.01.1.3	☐	Growing of vegetables and melons, roots and tubers
0114	A.01.1.4	☐	Growing of sugar cane
0115	A.01.1.5	☐	Growing of tobacco
0116	A.01.1.6	☐	Growing of fibre crops
0119	A.01.1.9	☐	Growing of other non-perennial crops

Showing 1-10 of total 770 results
Page 1 of 77

Figure 10. Handy way if looking for activity categories.

Statistical View

From the **Status Dashboard**, you can easily access your units by clicking on **Enterprises** (highlighted in pink). The filters in the top bar allow you to search by **Identifiers**, select **Activity Codes**, and apply other relevant criteria.

If you ever get lost or need to start fresh, simply click the **Reset Search** button to clear all filters.

Additionally, you can **export** all the displayed units, as well as the ones on the following pages, to a CSV file for further processing or analysis.

Current Year

Reports

Statistical Units

Search for statistical units

Find units by name

Identifiers

Unit Type

Enterprise

Sector

Region

Legal Form

Activity Category

Data Source

Number of people employed

Turnover

Import Issues

Reset Search

Name tax_ident stat_ident	Activity Section	Activity Category	Top Region	Region < Level 3 >	Employees	Turnover	Unit Counts	Sector	Data Sources	
Amman RIAD 13-14 9300598 22	A Farming and Fishing	0123 Growing of citrus fruits	3 Asia	39621 Amman	2	400 000	Legal Units: 1	6100 Central government	nlr	...
ENTEBBE FUEL ENTERPRISES 2812760130 9	I Accommodation and fo...	5630 Beverage serving activities	2 Africa	225613 Entebbe	2	900 000	Legal Units: 1	4500 Investment trusts and p...	nlr	...
EQUATOR CIRCLE CONSTRUCTION 2212760084 3	I Accommodation and fo...	5630 Beverage serving activities	2 Africa	225613 Entebbe	1	300 000	Legal Units: 1	6100 Central government	nlr	...
EQUATOR GLOBE SOLUTIONS 2812760140 2	I Accommodation and fo...	5610 Restaurants and mobile fo...	2 Africa	225602 Kampala	2	2 400 000	Legal Units: 1	6100 Central government	nlr	...
Erdenes Tavan Tolgoi JSC 397611 19	J Information and comm...	6312 Web portals	3 Asia	397601 Ulaanbaatar	2	500 000	Legal Units: 1	6100 Central government	nlr	...
KAMPALA Cofffe SUPPLIERS 2815364900 11	G Wholesale and retail tra...	462 Wholesale of agricultural ra...	2 Africa	225602 Kampala	4	800 000	Legal Units: 1	6100 Central government	nlr	...
KAMPALA DIGITAL CHARTS 2407020168 7	R Arts, entertainment and...	9200 Gambling and betting activ...	2 Africa	225602 Kampala	7	10 000 000	Legal Units: 1	6100 Central government	nlr	...
LIRA FRESH FRUIT EXPORTERS 2612760138 4	A Farming and Fishing	0122 Growing of tropical and su...	2 Africa	225613 Entebbe	2	2 000 000	Legal Units: 1	4500 Investment trusts and p...	nlr	...
MANUAL Auto Uzbekistan 3998011 231	G Wholesale and retail tra...	4730 Retail sale of automotive fu...	3 Asia	399801 Tajikent	1	1 200 000	Legal Units: 1	6100 Central government	nlr	...
MARINE SERVICES 2602025168 8	C Manufacturing	3314 Repair of electrical equipm...	2 Africa	225602 Kampala	10	90 000 000	Legal Units: 1	6100 Central government	nlr	...

Showing 1-10 of total 23 results

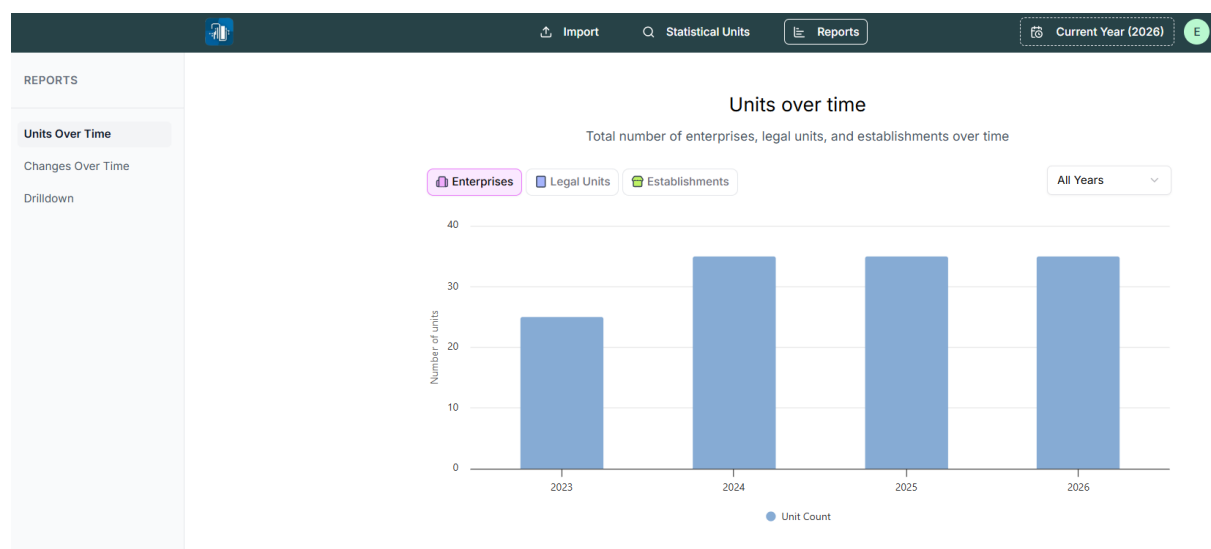
Page 1 of 3

Export as CSV

Report / Chart

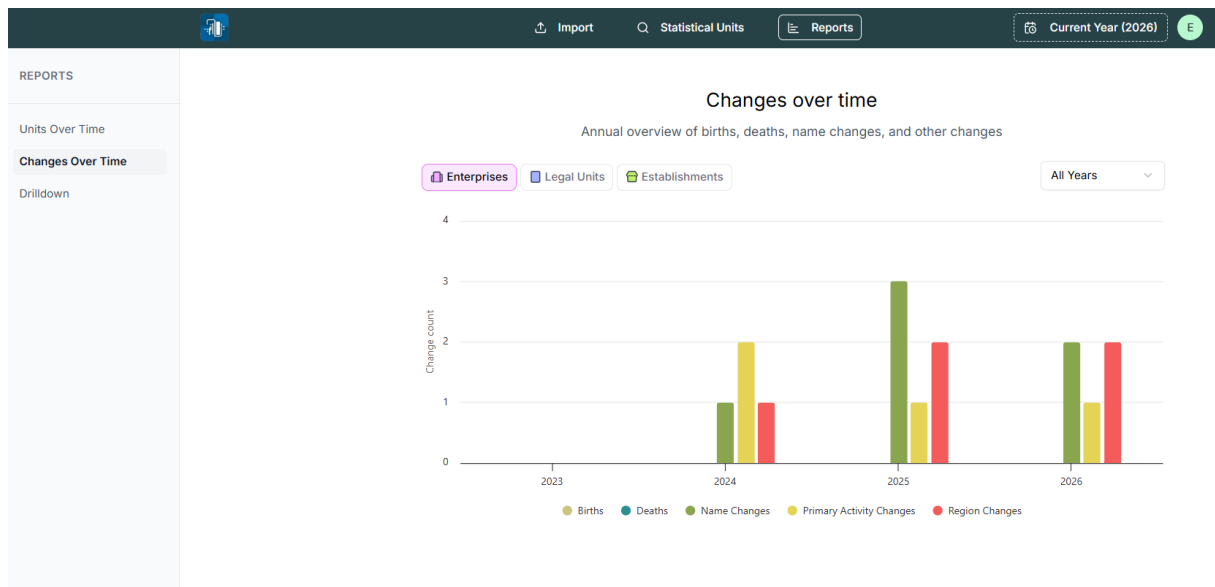
Counting - over time

One of the main strengths of Statbus is the use of time, and its timeline. The reports/charts enable the possibility to track your units over time, and monitor the number of units. Statbus will also provide the development of statistical variables, employees, female, male, turnover etc in these charts.



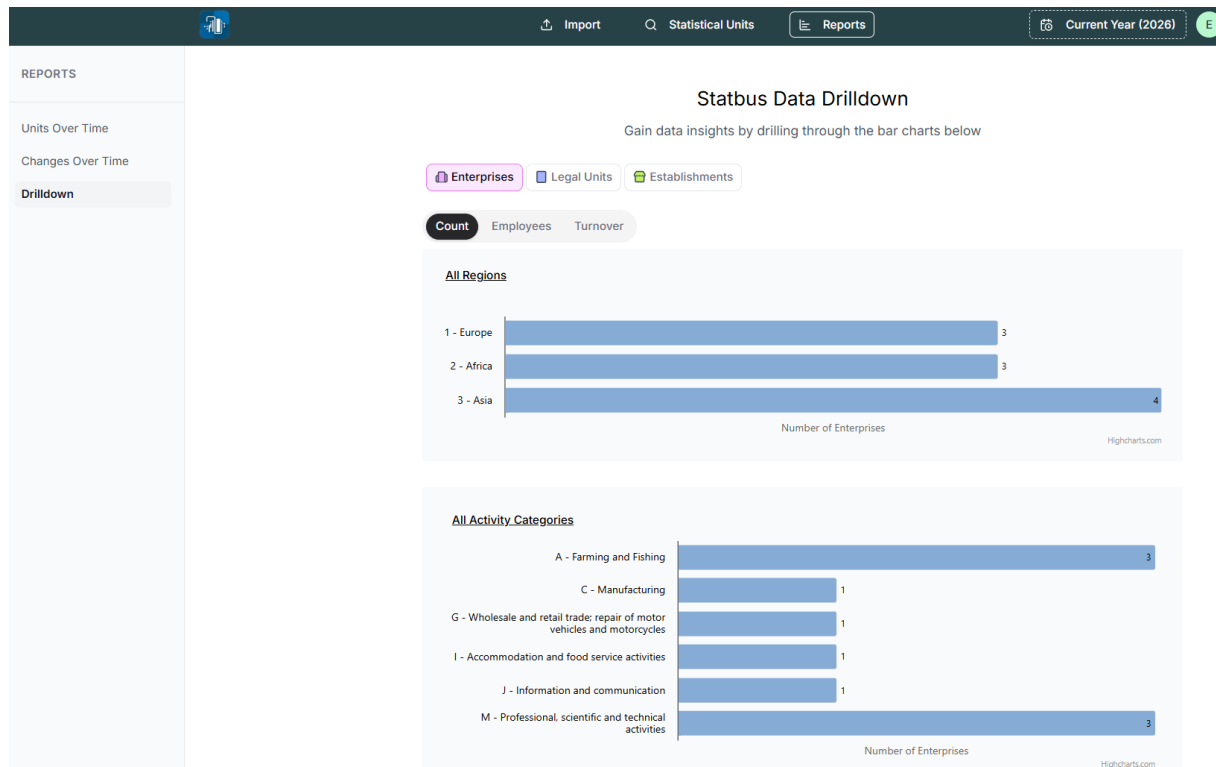
Changes - over time

Another frequently asked report is the changes over time. Changing a region / activity code, or a name of a unit will kick directly into the changes chart. Be aware that the chart calculates the changes according to previous period. Having only data as of 2026 into the system a change may not be visible as 2025 does not exist. The chart will provide you with both yearly and monthly numbers for all different unity-types.



Drilldown

Hidden under the **Reports** menu, you'll find a powerful drill-down chart that allows you to explore your units in more detail. The chart for **regions** is linked and connected to the **Activity Categories**, enabling you to drill down into activity categories within a region or explore regions under a specific activity category.



At any point, you can easily navigate back to the **View Statistical Units** from the drill-down chart. This will display all the units you've drilled down into, and you can continue applying additional filters in the **Statistical View**

The selections made in the drill-down chart will automatically carry over to your filters and view, ensuring a seamless transition as you explore the data.

Reloading

During the initial setup of Statbus, you may encounter loads with numerous errors and warnings. It is strongly recommended to gain confidence in the loading process before performing large-scale loads, as these can be time-consuming. A smaller load, with just a few hundred rows, is typically sufficient to verify that your units align with the correct classifications.

If a load fails completely, it's often best to start fresh. This ensures a clean slate and reduces the chances of lingering issues affecting future loads.

From Import you will see the status of current and previous loads. By clicking at the # of rows in the Processed Column you will see the detailed information of your load. This is key when detecting errors and warnings. Filters may be helpful for bigger loads.

Import > Jobs

More Filters 2

View

ID	Description	Status	Analysis	Analysis (r/s)	Processed	Processing (r/s)	Expires
3	Import Demo Informal Establishments (With Source Dates)	Finished	12 Rows	17.17 100% < 1s	12	4.75 100% 2s	in over 1 year
2	Import Demo Formal Establishments (With Source Dates)	Finished	26 Rows	30.47 100% < 1s	26	1.97 96% 12s	in over 1 year
1	Import Demo Legal Units (With Source Dates)	Finished	75 Rows	81.06 100% < 1s	75	6.32 92% 11s	in over 1 year

0 of 3 row(s) selected.

Rows per page 10 Page 1 of 1

Command Palette (⌘ + ⌘ + K)

Import Statistical Units Reports

Current Year (2026) E

Import > Jobs > Data for Job: 3

Description: Import Demo Informal Establishments (With Source Dates) | Table: import_demo_es_without_lu_wsd_data

Operation State Action Errors Invalid Codes Filter by name...

More Filters 42

View

Row Id	Operation	State	Action	Errors	Invalid Codes	Merge Status
1	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
2	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
3	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
4	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
5	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
6	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
7	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL
8	insert	processed	use	{}	{}	{"contact":"APPLIED","establishment":"APPLIED","stat_turnover":"APPLIED","stat_employees":"APPLIED","postal_location":"APPL

In Statbus 2.0 we are happy to launch the Excel / csv download of errors / warnings, this enables you with the possibility to load all the good records and continue to fix and improve the data that was rejected by the system. Using Excel XLSX, you also get extra help and support from Statbus as the code list and drop downs inside Excel are filled with valid values for region, sectors, activity categories. Save your Excel and continue with cloning the upload job, to load your edited and improved XLSX file.

The drop downs and code list in excel will be based on your classifications already loaded into Statbus, therefore as always, be sure to have good data quality when it comes to classifications, before spending significant time on your units.

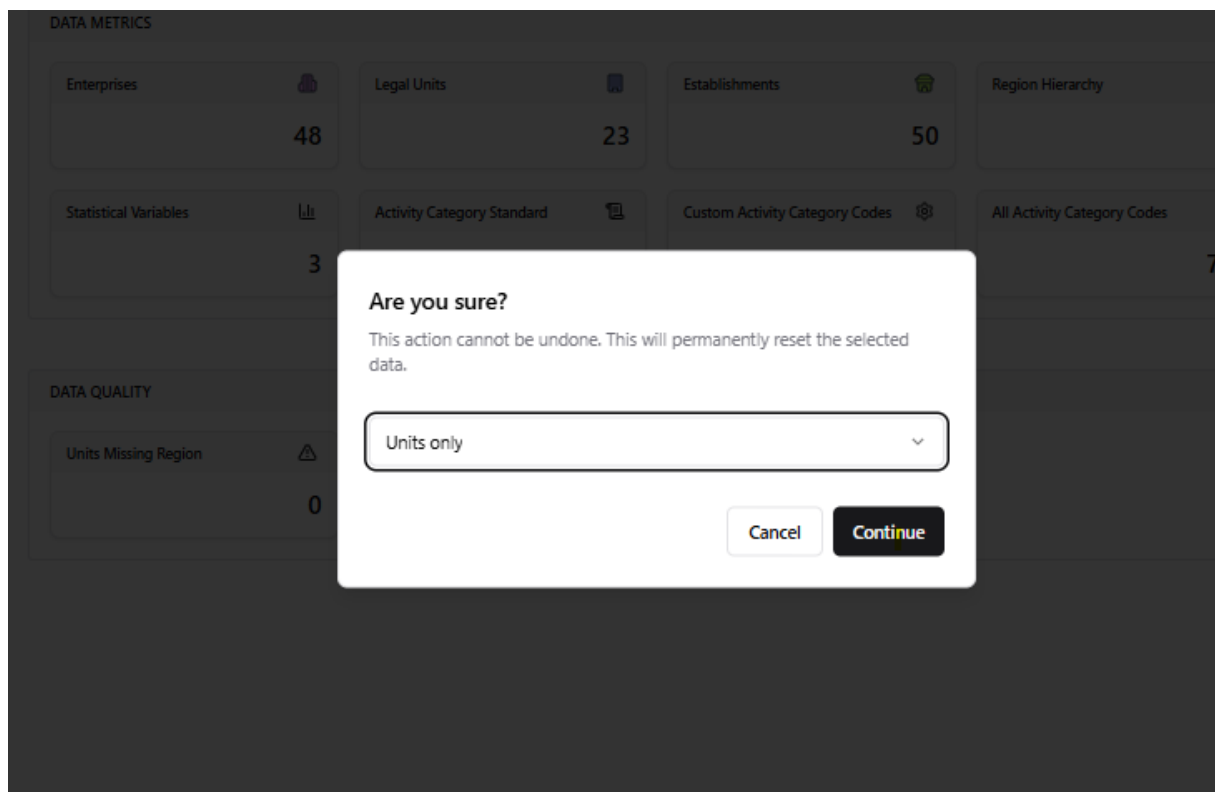
To assist in Excel the first 2 columns will show you the error message you got when the rows were rejected by Statbus. When reloading Statbus with the same Excel files these columns are ignored, and there is no need to delete these 2 columns. Be a bit aware of

the date format, that Excel may convert to a date format Statbus do not handle else this process looks quite good. The Data format 2026-12-31 is the recommended format.

Resetting

Units only:

If you believe the issue is isolated to the units and not the entire system, you can reset the data related to units only. To do this, use the **Ctrl + Shift + K** shortcut to open the **Command Palette** and select the option to delete **only the units**. This allows you to reset the problematic data without affecting other configurations in Statbus.



Units and Classifications:

If you need to start fresh with the load, select this option. It will reset the units and classifications, but your custom configurations will remain intact. This allows you to rebuild your units and classifications without losing your custom work.

Units, Classifications and Customization:

Selecting this option will reset everything—**units, classifications**, and all **customizations**. Statbus will revert to its initial state, and you will be prompted to go through the setup wizard again, starting from the very beginning. Use this option if you want to fully reset the system and begin with a clean slate.

Upload Establishments (Formal) optional

When uploading **formal establishments**, Statbus expects the input file to include a connection to an existing **legal_unit_id** that has already been loaded into the system.

In the example below, the formal establishment file uses the standard **tax_ident**, which points to the corresponding **legal_unit_tax_ident** that has already been defined.

If you customize the system with other identifiers, Statbus requires that these identifiers be prefixed with **legal_unit_**. For instance, if you configure the system to use a custom ID such as **your_ident**, the column in the establishment file should be named **legal_unit_your_ident**.

Important Considerations:

- Statbus aggregates key statistical variables, such as **employees** and **turnover**. Be cautious not to include these numbers in both the **legal_unit** and **establishment** uploads. If you do, the numbers will be **double-counted**.
- Formal establishments** can be linked to the same **legal_unit_id**, as shown in the example

	A	B	C	D	E	F	G	H	I	J
1	tax_ident	stat_ident	name	physical_reg	physical_cou	primary_acti	employees	turnover	legal_unit_tax_ident	data_source_code
2	92212760144	91000	NILE PEARL V	225613	UG	4752	0	0	2212760144	nlr
3	92812760140	91001	EQUATOR GL	225602	UG	5610	0	0	2812760140	nlr
4	92212760084	91002	EQUATOR CII	225613	UG	5630	0	0	2212760084	nlr
5	92612760138	91003	LIRA FRESH F	225613	UG	122	0	0	2612760138	nlr
6	92812760130	91004	ENTEBBE FUE	225613	UG	5630	0	0	2812760130	nlr
7	92312760075	91005	ZEBRA HAVEI	225602	UG	1410	0	0	2312760075	nlr
8	92407020166	91006	KAMPALA DIC	225602	UG	9200	0	0	2407020166	nlr
9	92602025168	91007	MARINE SERV	225602	UG	3314	0	0	2602025168	nlr
10	92612760118	91008	NILE TEXTILE	225602	UG	1311	0	0	2612760118	nlr
11	92815384160	91009	KAMPALA Co	225602	UG	462	0	0	2815384160	nlr
12	92507020167	91010	VICTORIA FRI	225602	UG	123	0	0	2507020167	nlr
13	945000	91011	Statistics Dei	104501	DK	5820	0	0	45000	nlr
14	9358000	91012	Statistics Fin	135801	FI	5820	0	0	358000	nlr
15	946001	91013	Statistics Sw	104601	SE	7410	0	0	46001	nlr
16	95340521	91014	Morocco Tra	22121	MA	7410	0	0	5340521	nlr
17	92220794	91015	Office Pictur	22122	MA	8211	0	0	2220794	nlr
18	922501	91016	Statistics Eth	225101	ET	712	0	0	22501	nlr
19	9397611	91017	Erdenes Tave	397601	MN	6312	0	0	397611	nlr
20	9397622	91018	Oyu Tolgoi LI	397601	MN	1311	0	0	397622	nlr
21	92200019	91019	Rainbow shc	39621	JO	123	0	0	2200019	nlr
22	93300598	91020	Amman RIAC	39621	JO	123	0	0	3300598	nlr
23	94711111	91021	Statistics No	10470301	NO	63121	0	0	4711111	nlr
24	93998011	91022	MANUAL Auti	399801	UZ	4730	0	0	3998011	nlr
25	947111112	91023	Statbus Stati	10473401	NO	63121	1	1	4711111	ntr
26	947111113	91024	Drill Updowr	10470301	NO	63122	2	2	4711111	me
27										
28										

Figure 11. Formal establishments (upload)

Upload Informal Establishments. Without legal units (optional)

Informal establishments do not have any connection to **legal units**. However, the upload file for informal establishments is structured similarly to the file for formal establishments, with the key difference being the absence of the **legal_unit_tax_ident** field. When uploading informal establishments, you must provide values for your statistical variables, such as **employees** and **turnover**.

Tips for Uploading Informal Establishments:

- **Tip 1:** Use the shortcut **Ctrl + Shift + K** or the **Command Palette** button to quickly jump to any upload section.
- **Tip 2:** If you don't see your new values after uploading, you may need to wait a bit. When menus are blinking the load is still running in the background

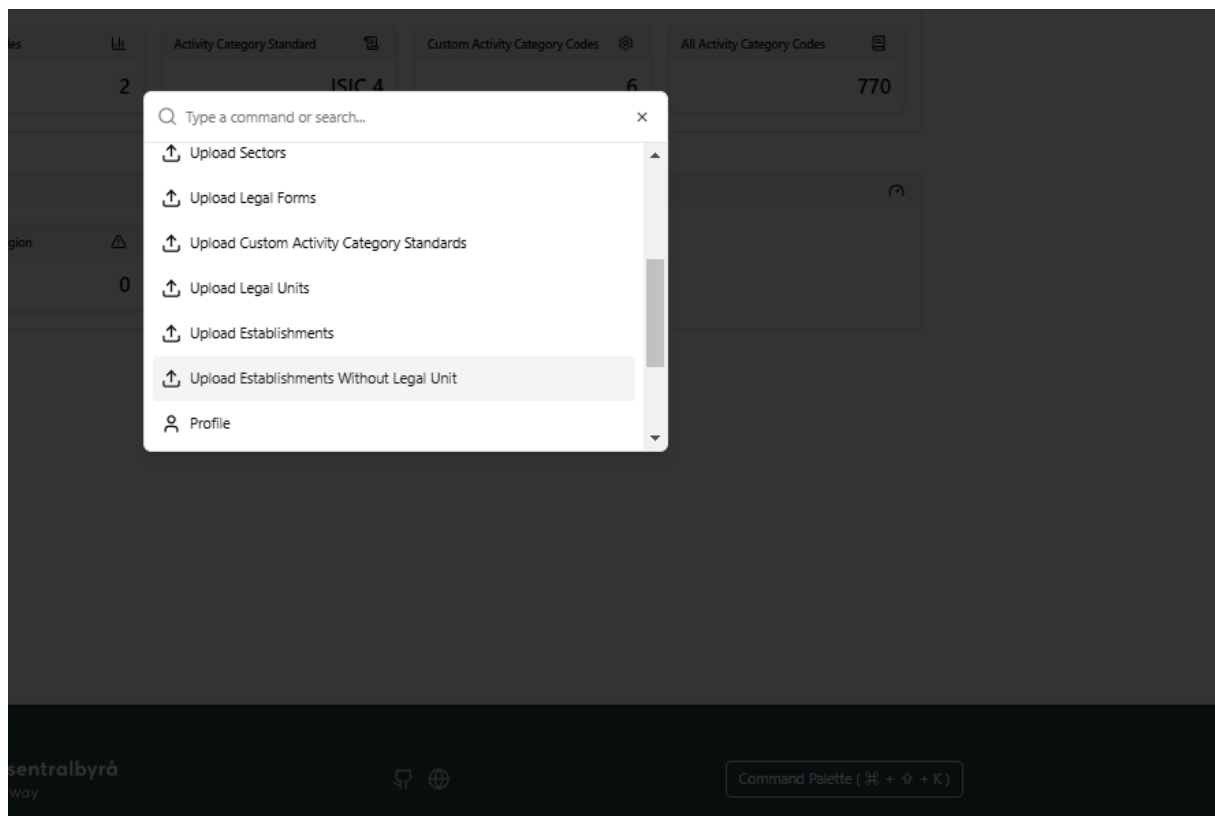


Figure 12. Uploading Informal establishments

After successfully uploading informal establishments, you can find your newly created **Statistical Enterprises** in the main view. The **unit counts** field will show the number of underlying units. For informal establishments, this count will display as zero for **Legal Units**. If there are multiple **Legal Units** under a Statistical Enterprise, or multiple **Establishments** under a Legal Unit, the **unit counts** field will reflect this information.

Current Year
Reports
Statistical Units

Search for statistical units

Identifiers
Unit Type
Enterprise
Sector
Region
Legal Form
Activity Category
Data Source
Number of people employed
Turnover
Import Issues

[Reset Search](#)

Name tax ident stat ident	Activity Section	Activity Category	Top Region	Region < Level 1 >	Employees	Turnover	Unit Counts	Sector	Data Sources	
Rainbow Street shopping 82200018 2019	A Farming and Fishing	0123 Growing of citrus fruits	3 Asia	3 Asia	5	300	Establishments: 1	nir		...
Statbus Drive 847111112 2023	J Information and comm...	63121 Statbus Software Custom	1 Europe	1 Europe	4	300	Establishments: 1	rnr		...
Statistics Denmark 45000 13	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	12	1 200 000	Legal Units: 1 Establishments: 1	6100 Central government	nir	...
Statistics Ethiopia 22501 18	M Professional, scientific a...	712 Technical testing and analy...	2 Africa	2 Africa	3	30 000 000	Legal Units: 1 Establishments: 1	6100 Central government	nir	...
Statistics Finland 358000 14	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	34	800 000	Legal Units: 1 Establishments: 1	6100 Central government	nir	...
Statistics Norway 4711111 230	J Information and comm...	63121 Statbus Software Custom	1 Europe	1 Europe	4	750 003	Legal Units: 1 Establishments: 3	6100 Central government	rnr nir	...
Statistics Sweden 46001 15	M Professional, scientific a...	7410 Specialized design activities	1 Europe	1 Europe	65	12 000 000	Legal Units: 1 Establishments: 1	6100 Central government	nir	...
Stats Denmark 845000 2011	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	2	1 200	Establishments: 1	nir		...
Stats Ethiopia 822501 2016	M Professional, scientific a...	712 Technical testing and analy...	2 Africa	2 Africa	2	1 200	Establishments: 1	nir		...
Stats Finland 8358000 2012	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	3	4 400	Establishments: 1	nir		...

Showing 21-30 of total 48 results

K
<
Page 3 of 5
>
X

[Export as CSV](#)

Figure 13. Main View Statbus loaded with both formal and informal establishments.

When accessing the **Report/Drill-Down**, you will see that the number of **Statistical Enterprises** has increased, along with the corresponding figures for **employees** and **turnover**. If all sources use consistent codes for **regions** and **activities**, Statbus will automatically group and aggregate the data accordingly.

Customizing Statbus

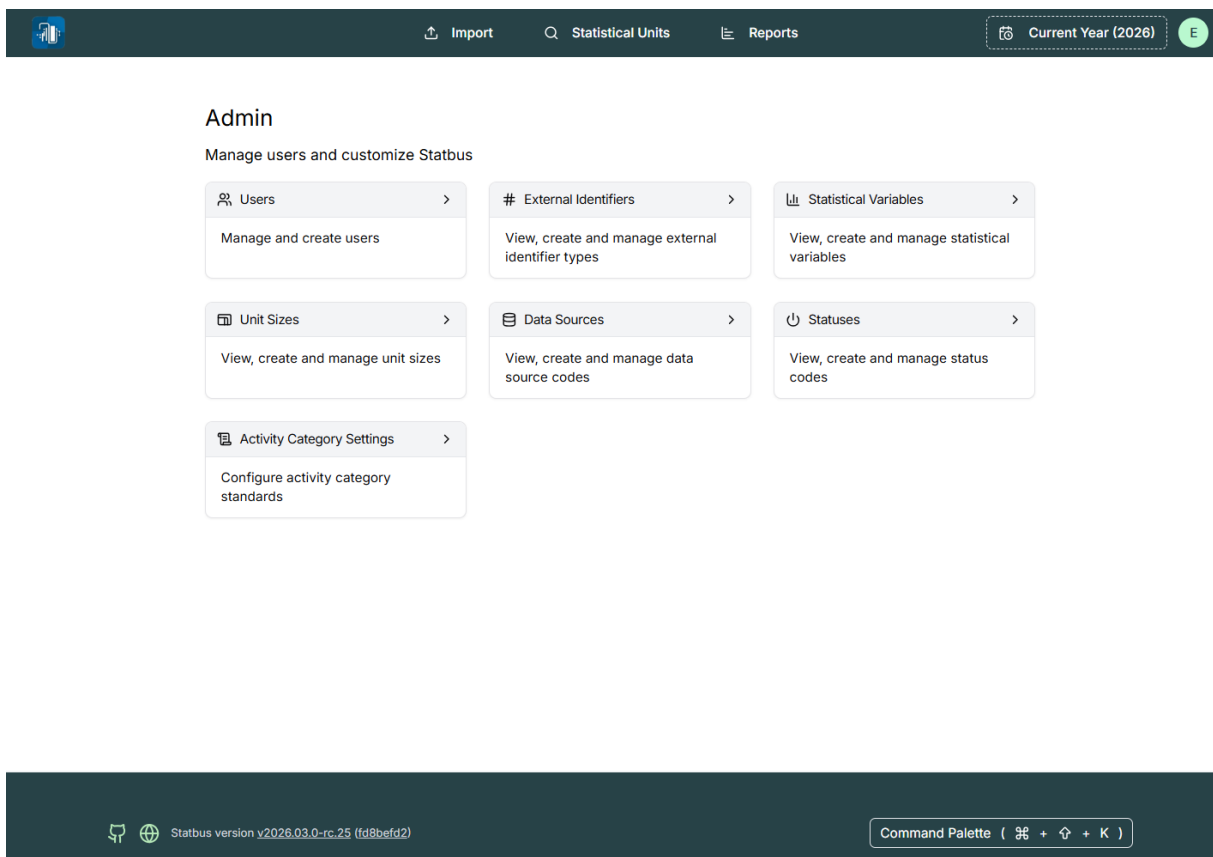
Custom Screens

Statbus 2.0 introduces customizing screens, making it a lot faster, simpler, and easy to customize Statbus. Most countries using Statbus will have a custom script running on install, but for changes, or a from scratch set-up these screens are very convenient.

Admin users can access the Custom Screens (Admin Settings) from the Command Palette.



From here you can perform changes to the setup -- including statuses, identifiers, data sources, and units -- as well as manage users.



Configure external identifiers:

All identifiers become searchable within Statbus

Upgrade

Import

Statistical Units

Reports

Current Year (2026)

Admin > External Identifier Types

View, create and manage external identifier types

+ Add new external ident

Name	Code	Description	Type	Labels	Priority	Enabled
Tax Identifier	tax_ident	Stable and country unique identifier used for tax reporting.	regular		1	✓
Statistical Identifier	stat_ident	Stable identifier generated by Statbus	regular		2	✓
MyDemo	demo_ident		regular		4	✓
Newvar	new_var		regular		7	✗
Person Identifier	person_ident	Personal identification number (national ID, passport, etc.)	regular		10	✗

After loading a file using **demo_ident**, you should in your Statbus View see the new identifier in the **identifiers** field as well as in the description of your Name-field inside Statbus. If you cannot find it, there may be a need to do a hard refresh Ctrl+F5 or alternatively refresh the Statistical View in the Command Palette Ctrl+Shift+K

Find units by name

+ Import Issues

Reset

Name
tax_ident | stat_ident | demo_ident

EQUATOR GLOBE SOLUTIONS

2612760140 | 2 | D101

Showing 1-1 of total 1 results

+ Identifiers

demo_ident: D101

+ Unit Type

Enterprise

+ Region

+ Activity Category

+ Data

Tax Identifier

Search by Tax Identifier

Statistical Identifier

Search by Statistical Identifier

MyDemo

D101

Clear

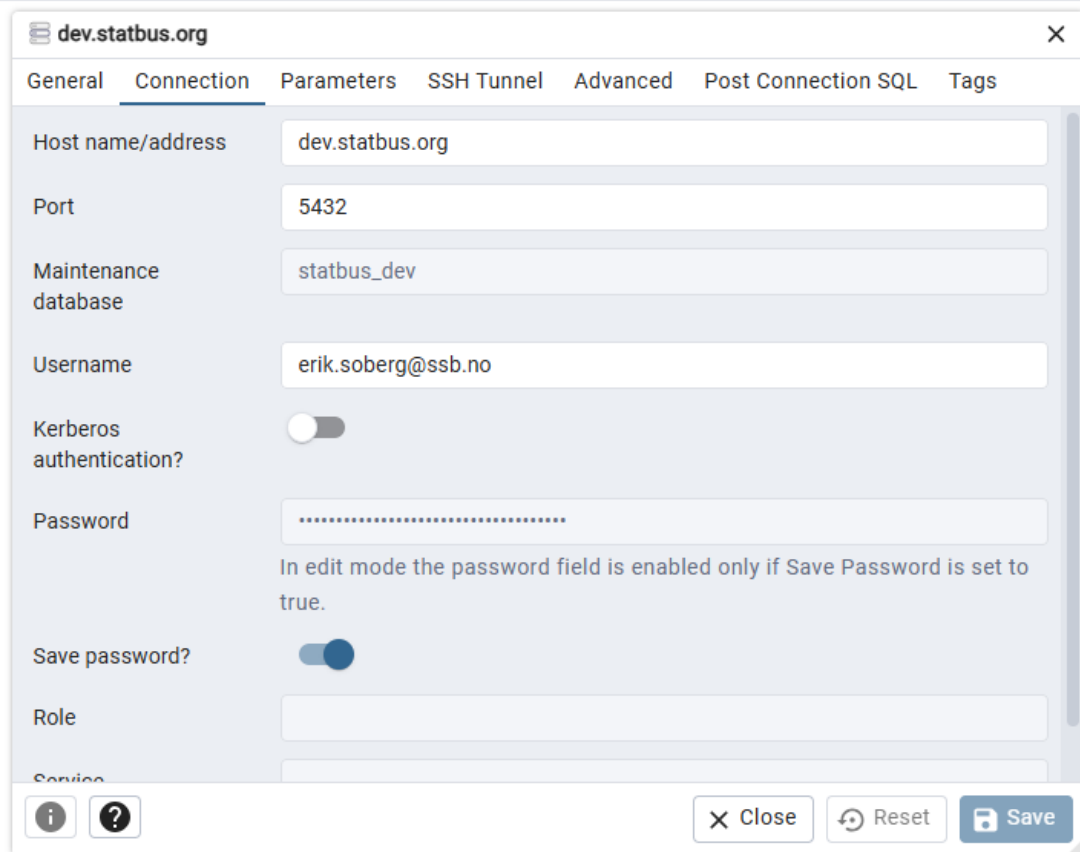
Category	Top Region	Region < Level 3 >	Employees
ts and mobile fo...	2 Africa	225602 Kampala	2

Page 1 of 1

Figure 14. demo_ident / MyDemo added as a custom identifier

Connection details PGAdmin

This part is only needed for users who want to dive into the Statbus database.



The image shows the PGAdmin 'Connection' dialog box for a connection named 'dev.statbus.org'. The dialog has several tabs: 'General', 'Connection' (which is selected), 'Parameters', 'SSH Tunnel', 'Advanced', 'Post Connection SQL', and 'Tags'. The 'Connection' tab contains the following fields and controls:

- Host name/address:** dev.statbus.org
- Port:** 5432
- Maintenance database:** statbus_dev
- Username:** erik.soberg@ssb.no
- Kerberos authentication?:** A toggle switch that is currently turned off.
- Password:** A text field filled with dots. Below it, a note states: 'In edit mode the password field is enabled only if Save Password is set to true.'
- Save password?:** A toggle switch that is currently turned on.
- Role:** An empty text field.
- Service:** An empty text field.

At the bottom of the dialog, there are three buttons: 'Close' (with an 'X' icon), 'Reset' (with a circular arrow icon), and 'Save' (with a floppy disk icon). There are also information and help icons on the bottom left.

dev.statbus.org

General

Connection

Parameters

SSH Tunnel

Advanced

Post Connection SQL

Tags

Connection Parameters

Name	Keyword	Value
SSL mode	sslmode	require
Connection timeout (seconds)	connect_timeout	10
Server name indication	sslsni	☒
SSL negotiation	sslnegotiation	direct

i

?

Close

Reset

Save

You will need a version of PGAdmin 4 9.12 or later to configure the database connections as described in this document.

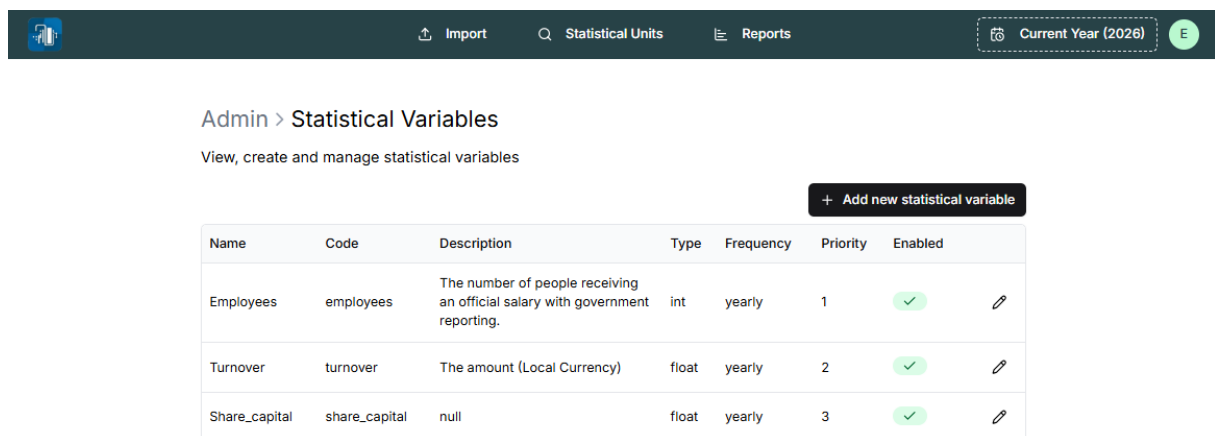
Additional statistical variables

The **stat_definitions** table defines the statistical variables within Statbus. To add custom variables, simply include them in this table. At present, we support **int** and **float** data types. Once defined in the table, and upon loading data such as female statistics, these variables will become visible in **filters**, **charts**, and **statistical views** within Statbus.

When adding a new variable, it is important to specify the following:

- **Code:** This must match the name of the variable in your CSV files when loading units.
- **Name:** This is the label that will be displayed in the Statbus application.
- **Frequency:** For now, use **yearly** as the default.
- **Priority:** This determines the order in which fields will appear within Statbus. If you need to adjust the display order (e.g., for **Share_capital**, **Males** and **Females**), simply adjust the priority.

If a default statistical variable is not being used, set the **enabled** field to **false**. However, if no data has been loaded for that variable, it will not appear in the application. It is important to note that variables marked as **enables = false** cannot be loaded.



The screenshot shows the Statbus application interface. At the top, there is a navigation bar with icons for Import, Statistical Units, and Reports, along with a 'Current Year (2026)' selector. Below the navigation bar, the page title is 'Admin > Statistical Variables' with a subtitle 'View, create and manage statistical variables'. A button '+ Add new statistical variable' is located in the top right corner of the table area. The table itself has the following data:

Name	Code	Description	Type	Frequency	Priority	Enabled	
Employees	employees	The number of people receiving an official salary with government reporting.	int	yearly	1	✓	
Turnover	turnover	The amount (Local Currency)	float	yearly	2	✓	
Share_capital	share_capital	null	float	yearly	3	✓	

Figure 15. Insert additional statistical variables, *Share_capital* is added as extra.

After defining the additional statistical variables (you can load or reload this information. As a rule, all variables are to be defined with lowercase characters in the definitions as well as in the csv input files.

An example of an additional file can contain some of the same columns, but it will be faster to load if you only have the extra fields. If you have all the additional fields available in one file initially, you should load everything in one go, after the extra variables are defined. This example also indicates that you could have multiple updates and sources for ie turnover and employees.

	A	B	C	D	
1	tax_ident	name	female	data_source_code	
2	2212760144	NILE PEARL WATER	2	mi	
3	2812760140	EQUATOR GLOBE SOLUTIONS	2	mi	
4	2212760084	EQUATOR CIRCLE CONSTRUCTION	1	mi	
5	2612760138	LIRA FRESH FRUIT EXPORTERS	2	mi	
6	2812760130	ENTEBBE FUEL ENTERPRISES	2	mi	
7	2312760075	ZEBRA HAVEN SAFARIS	0	mi	
8	2407020166	KAMPALA DIGITAL CHARTS	7	mi	
9	2602025168	MARINE SERVICES	5	mi	
10	2612760118	NILE TEXTILES	1	mi	
11	2815384160	KAMPALA Cofffe SUPPLIERS	4	mi	
12	2507020167	VICTORIA FRESH FARMS	8	mi	
13	45000	Statistics Denmark	6	mi	
14	358000	Statistics Finland	10	mi	
15	46001	Statistics Sweeden	10	mi	

Figure 16. An additional legal_unit file with number of Females.

Note: In the current version of Statbus, additional statistical variables are displayed using their code rather than the descriptive name configured in stat_definitions. This will be improved in a future release.

Current Year

Reports

Statistical Units

Search for statistical units

Find units by name

Identifiers

Unit Type

Enterprise

Region

Activity Category

Data Source

Number of people employed

Turnover

Females

Import Issues

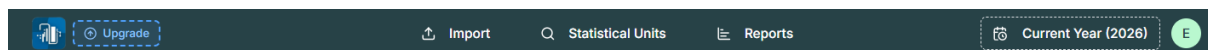
Reset Search

Name tax_ident stat_ident	Activity Section	Activity Category	Top Region	Region < Level 1 >	Employees	Turnover	Female	Unit Counts	Sector	Data Sources
Statistics Finland 358000 14	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	34	800 000	10	Legal Units: 1		nlr mi
Statistics Sweeden 46001 15	M Professional, scientific a...	7410 Specialized design activities	1 Europe	1 Europe	65	12 000 000	10	Legal Units: 1		nlr mi
VICTORIA FRESH FARMS 2507020167 12	A Farming and Fishing	0123 Growing of citrus fruits	2 Africa	2 Africa	8	12 000 000	8	Legal Units: 1		nlr mi
KAMPALA DIGITAL CHARTS 2407020166 7	R Arts, entertainment and...	9200 Gambling and betting activ...	2 Africa	2 Africa	7	10 000 000	7	Legal Units: 1		nlr mi
Statistics Denmark 45000 13	J Information and comm...	5820 Software publishing	1 Europe	1 Europe	12	1 200 000	6	Legal Units: 1		nlr mi
Oyu Tolgoi LLC 397622 20	C Manufacturing	1311 Preparation and spinning o...	3 Asia	3 Asia	6	3 000 000	6	Legal Units: 1		nlr mi

Figure 17. Statistical Units view after adding Female

Custom Data Sources

Data sources can be added in the table called `data_source`. Make sure to mark the new data source as custom and enabled. As for all other customizing inside Statbus we try to use the code in the csv files, but the Name will be appearing inside the Statbus application.



Admin > Data Sources

View, create and manage data sources

+ Add new data source

Name	Code	Custom	Enabled	
CustomCensus	custom_c	✓	✓	
National Legal Business Registry	nlr	✗	✓	
Census	census	✗	✓	
Survey Data	survey	✗	✓	
Manual Input	mi	✗	✓	
Other External Data Source	other	✗	✓	
National Tax Registry	ntr	✗	✓	

Unit Sizes and customizing them

Statbus comes with four default unit size codes:

- **tny** – displayed as **Tiny**
- **sml** – displayed as **Small**
- **med** – displayed as **Medium**
- **lrg** – displayed as **Large**

These codes are expected in the `unit_size_code` column of your units CSV file.

AE	AF	AG	AH	AI	
employees	turnover	data_source	status_code	unit_size_code	
2	9000000	nlr	passive	med	
2	2400000	nlr	active	med	
1	3300000	census	active	med	
2	2000000	nlr	active	tny	
2	900000	nlr	active	tny	
0	360000	nlr	active	tny	
7	100000	nlr	active	tny	
10	90000	nlr	active	tny	
1	1200000	nlr	active	tny	
4	800000	nlr	active	sml	
8	912000	nlr	active	sml	

Customizing Unit Size Codes

Administrators can customize unit size codes **before** loading units into Statbus. Customization options include:

- **Renaming existing codes** – Change how default codes appear in the Statbus interface (e.g., rename *tny* from "Tiny" to "Extra Small").
- **Adding new codes** – Introduce new codes with the name "XXL").
- **Replacing default codes entirely** – Disable the default codes and define your own from scratch.

To **disable default codes**, set their enabled status to FALSE.

Admin > Unit Sizes

View, create and manage unit sizes

+ Add new unit size

Name	Code	Custom	Enabled	
Tiny	tny	X	✓	
Small	sml	X	✓	
Medium	med	X	✓	
Large	lrg	X	✓	
XXL	xxl	✓	✓	

Status of Units and how to customize

Statbus comes only with **Active** and **Passive**, where active units are aggregated and counted, while the passive is not included in the counting. Feel free to add additional statuses, but be aware that you will need to decide which statuses you want to use for counting and aggregating.

Customizing Status Codes

As with unit sizes, you can fully customize status codes and their displayed names to match your organizational needs or to align with existing classification systems. This helps avoid misunderstandings or errors caused by inconsistent terminology or translations.

You can:

- **Rename existing codes** (e.g., rename active to Operating)
- **Add new codes** (e.g., br for "Bankrupt", new for "New")
- **Replace default codes** with your own set

Important Configuration: include_in_report

Each status code has a setting called include_in_report, which determines whether units with that status should be counted and aggregated in reports.

Statbus comes only with Active and Passive, where active units are aggregated and counted, while the passive is not included in the counting. Feel free to add additional statuses, but be aware that you will need to decide which statuses you want to use for counting and aggregating.

As always in Statbus, Name is what you will see in the application, while the Codes (with lowercases are the ones you use in your csv files.

Admin > Statuses

View, create and manage statuses

+
Add new status

Name	Code	Custom	Assigned by default	Used for counting	Priority	Enabled	
Active	active	☐	☒	☒	1	☐	
Passive	passive	☐	☐	☐	2	☐	
En veilleuse	veill	☒	☐	☐	3	☒	
Active	act	☒	☒	☒	3	☒	
Inactive	inact	☒	☐	☐	4	☒	
Cessation	cess	☒	☐	☒	4	☒	
Fusion-Absrption	fus-abs	☒	☐	☒	5	☒	
Radlee	rad	☒	☐	☐	6	☒	


Note: Units (both establishments and legal entities) marked with a status where `include_in_report = FALSE` will **not** contribute to the totals at the statistical enterprise level.

Best Practices

Naming Conventions

- The **code** is used in your CSV files and should be written in **lowercase**.
- The **name** is what appears in the Statbus interface and should start with an **uppercase** letter.
- Additional identifiers such as **extra_ident**, we use ***_ident**, not to mix with Statbus internal identifiers using the naming with “*ID”.

Deleting default options

Instead of physically deleting default options from the database, it is recommended to disable them using the provided fields such as active or archived. This approach has the same functional effect—removing the options from menus and usage—while preserving visibility into which settings have been modified since the initial Statbus installation.

Keeping default entries in place but marked as inactive helps with:

- **Transparency** – Easily track changes and customizations.
- **Maintenance** – Future updates and patches to Statbus assume default fields still exist, even if they are not in use.
- **Stability** – Avoid potential errors caused by missing expected fields or references.

Note: Statbus will ignore rows where CUSTOM = TRUE, meaning these entries are treated as user-defined and won't be overwritten or affected by system updates.

Customize script

The Statbus team recommends scripting your customizations to maintain better control, consistency, and traceability over time. This approach is especially helpful during the initial setup, particularly when applying many custom changes.

 **Important:** Always perform all customizations **before** loading any unit data into Statbus.

Why Script Your Customizations?

- **Efficiency** – Speeds up deployment and reconfiguration.
- **Repeatability** – Easily reapply changes across environments (e.g., test, staging, production).

- **Auditability** – Maintain a clear history of changes.

Best Practices

- Store your customization script in a **version-controlled system** like Git or GitHub.
- Follow your organization's internal IT policies for access control, backups, and documentation.
- Clearly comment and document each change within the script for future reference.

Example script may look like:

```
Select 'Sample.sql to be executed inside the database' "Statbus", now() "AT";

--Adding our extra identifier in addition to Statbus tax_ident and stat_ident
INSERT INTO external_ident_type (code, name, priority)
VALUES
('extra_ident', 'ExtraId', 3);

--adding our unique datasources
INSERT INTO data_source_custom (code, name)
VALUES
('taxdept', 'Dept of Tax'),
('censN2025', 'Census North 2025'),
('censS2025', 'Census South 2025');

--defining male and female addition to Statbus turnover and employees
delete from stat_definition where id >2;           --cleaning up earlier custom
INSERT INTO stat_definition (code, type,frequency, name, priority)
VALUES
('female', 'int', 'yearly', 'Female', 3),
('male', 'int', 'yearly', 'Male', 4);

--tbc
--unit sizes if needed
--status codes if needed

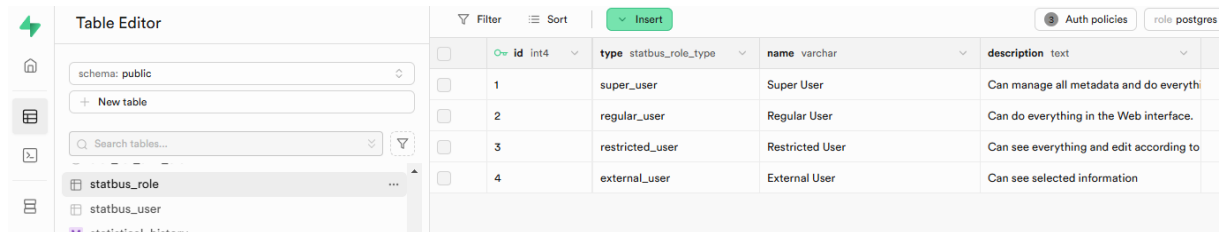
Select 'Done Custom' "StatbusStatus", now() "AT";
```

User access rights

User access rights in Statbus are managed through the **statbus_user** and **statbus_role** tables. Statbus supports four main roles: **super_user**, **regular_user**, **restricted_user**, and **external_user**.

For users who need more than one role, additional user accounts can be created. For example, if a user is responsible for system administration and configuration, you could create an account such as **super_erik** with the **super_user** role. In addition, you could create a second account, **regular_erik**, with the **regular_user** role, ensuring that Erik

can perform regular tasks without full access to the system's administrative features. However, please note that switching between multiple roles requires logging in as different users.

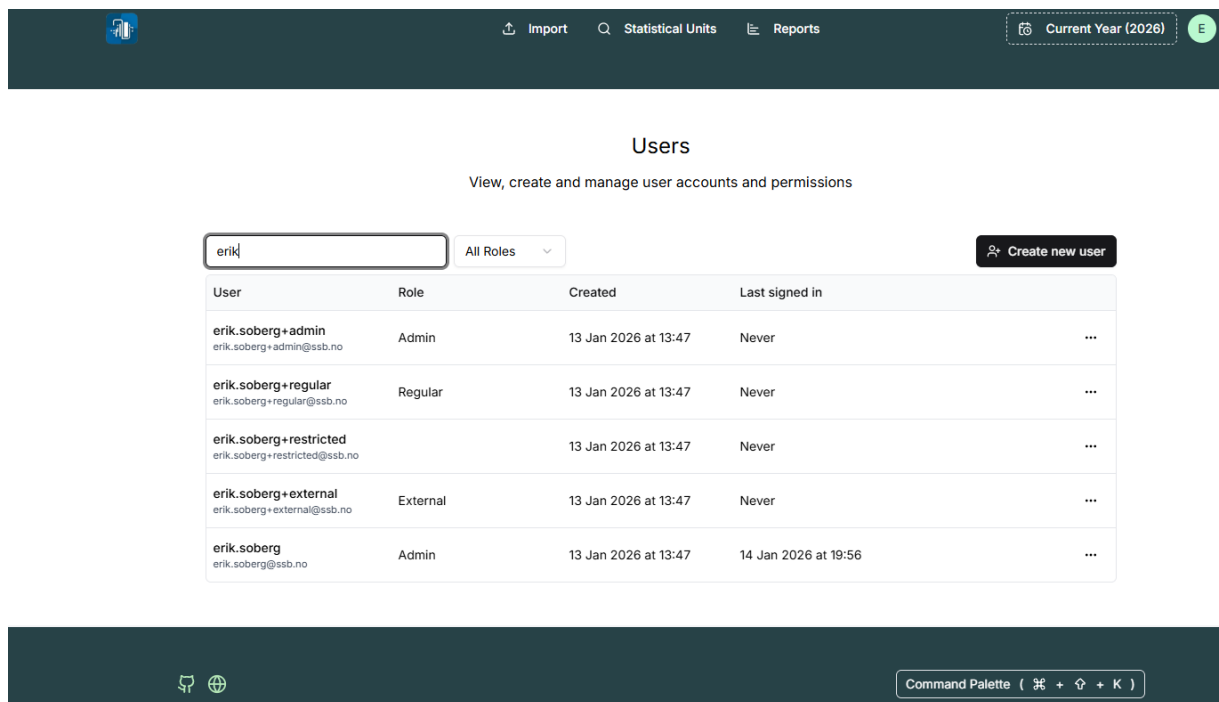


The screenshot shows the 'Table Editor' interface. On the left, there's a sidebar with a search bar and a list of tables: 'statbus_role', 'statbus_user', and 'statistical history'. The main area displays a table with columns: 'id' (int4), 'type' (statbus_role_type), 'name' (varchar), and 'description' (text). The table contains four rows representing different user roles.

	id	type	name	description
☐	1	super_user	Super User	Can manage all metadata and do everyth
☐	2	regular_user	Regular User	Can do everything in the Web interface.
☐	3	restricted_user	Restricted User	Can see everything and edit according to
☐	4	external_user	External User	Can see selected information

Admin Users will have access to create new users:

This option is available to admin users via the Command Palette: Manage Users:



The screenshot shows the 'Users' management interface. At the top, there's a dark header bar with icons for Import, Statistical Units, Reports, and a 'Current Year (2026)' selector. Below the header, the title 'Users' is centered, followed by the subtitle 'View, create and manage user accounts and permissions'. A search bar contains the text 'erik', and a dropdown menu shows 'All Roles'. A 'Create new user' button is on the right. Below these elements is a table listing existing users.

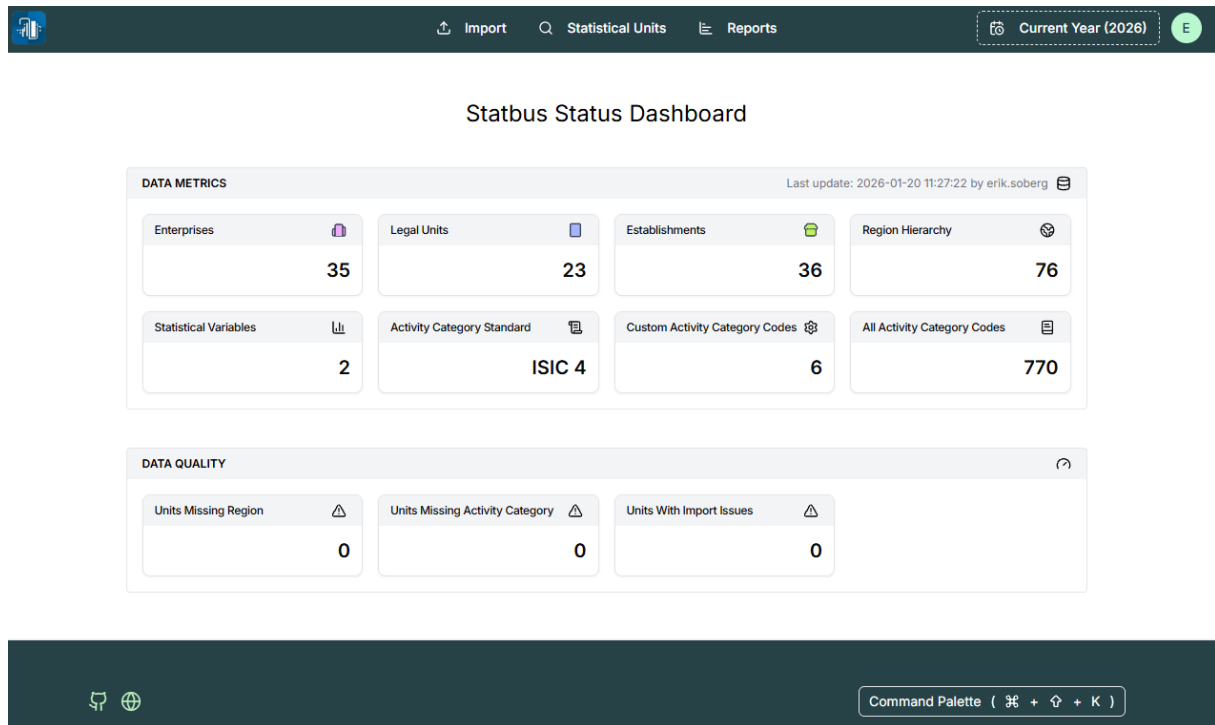
User	Role	Created	Last signed in	
erik.soberg+admin erik.soberg+admin@ssb.no	Admin	13 Jan 2026 at 13:47	Never	...
erik.soberg+regular erik.soberg+regular@ssb.no	Regular	13 Jan 2026 at 13:47	Never	...
erik.soberg+restricted erik.soberg+restricted@ssb.no		13 Jan 2026 at 13:47	Never	...
erik.soberg+external erik.soberg+external@ssb.no	External	13 Jan 2026 at 13:47	Never	...
erik.soberg erik.soberg@ssb.no	Admin	13 Jan 2026 at 13:47	14 Jan 2026 at 19:56	...

At the bottom, there's a dark footer bar with a 'Command Palette' button and a keyboard shortcut icon.

Using Statbus

Dashboard

Initially the main front displays the dashboard. Note the dashboard use the timeline and will display the status as of the year selected. An empty dashboard may indicate the year selected is not what you wanted.



Units and filters

By clicking the dashboard you get into the Statistical view where filters can be applied. The Reset Search is a good tip, when getting lost in too many of the filters. Depending on the customization, new buttons will appear on the screen. Typically, countries have ie. Male and Female employees configured into their Statbus installation

stat

Identifiers

Unit Type

Enterprise

Activity Category

Region

Sector

Legal Form

Domestic

Status

Unit Size

Data Source

Last Edit By

Employees

Turnover

Import Issues

Reset Search

Column Settings

Name

Tax Identifier | Statistical Identifier

Statbus Features 11 | 1023

J

Information and com...

63121

Statbus Software Custom

63122

Statbus UX

1

Europe

1

Europe

-

-

Unit Counts

6100

Central government

1

Public limited compan...

Farm Lane 56, City, Jinja

NO

Statistics Denmark 45000 | 13

J

Information and com...

5820

Software publishing

5820

Software publishing

1

Europe

1

Europe

35

21 025

Enterprises: 1
Legal Units: 1
Establishments: 1

6100

Central government

1

Public limited compan...

Statistical St 12, Castle, Copenhagen

DK

Statistics Ethiopia 22501 | 18

M

Professional, scientifi...

712

Technical testing and an...

712

Technical testing and an...

2

Africa

2

Africa

35

21 025

Enterprises: 1
Legal Units: 1
Establishments: 1

6100

Central government

1

Public limited compan...

Statistical Rd 12, Tower, Addis Ababa

ET

Statistics Finland 358000 | 14

F

Construction

43301

Finishing work custom

5820

Software publishing

1

Europe

1

Europe

35

21 025

Enterprises: 1
Legal Units: 1
Establishments: 1

6100

Central government

1

Public limited compan...

Statistical Ave 34, Tower, Helsinki

FI

Statistics Norway K 471110 | 230

J

Information and com...

63122

Statbus UX

63122

Statbus UX

1

Europe

1

Europe

26

20 136

Enterprises: 1
Legal Units: 1
Establishments: 1

4500

Investment trusts and ...

1

Public limited compan...

Oterveien , castle City, Kongsvinger

NO

Statistics Norway O 471110 | 232

J

Information and com...

63121

Statbus Software Custom

63122

Statbus UX

1

Europe

1

Europe

29

20 069

Enterprises: 1
Legal Units: 1
Establishments: 2

4500

Investment trusts and ...

1

Public limited compan...

Akersveien 26, Oslo, Oslo

NO

Unit details

When selecting one of the enterprises (pink color) you will see the aggregate of all units below the enterprise. To see the underlying units see, the Links and external references option, below the history. A statistical enterprise is a view/formula and can therefore be edited.

Statistics Norway O

Manage settings for Statistics Norway O

Identification

Contact

Demographic

Classifications

Statistical variables

History

Links and external references

Inspect

History

Statistical history for the unit

Statistics Norway O

2.4

32

24k

1.8

24

18k

1.2

16

12k

0.6

8

6k

0

0

0

2023

2024

2025

Employees

Turnover

Establishments

* Indicates value with no defined end date

Valid from	Name	Primary Activity	Region	Status
2023-01-01	Statistics Norway o	63122 Statbus UX	10470301 Oslo	Active
2024-01-01	Statistics Norway o	63121 Statbus Software Custom	10470301 Oslo	Active

Links and References

This view shows the relationship from enterprises down to legal unit(s) to establishments. Statbus also shows aggregation at each level. Be aware that units that are not active will not be calculated in aggregates if the unit is not active in time.

[Import](#) [Statistical Units](#) [Reports](#) to Current Year (2026)

Statistics Norway O

Manage settings for Statistics Norway O

Identification

Contact

Demographic

Classifications

Statistical variables

History

Links and external references

Inspect

Links and external references

Relationships (links) between units of different types within the SBR

VIEW DETAILS ☐

Statistics Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	Σ 29	Σ 20 069

PRIMARY ACTIVITY
63121 - Statbus Software Custom

Statistics Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	25 Σ 29	20 025 Σ 20 069

PRIMARY ACTIVITY
63121 - Statbus Software Custom

Statbus Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	2	20

PRIMARY ACTIVITY
63122 - Statbus UX

Drill Up Norway AS

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	2	24

PRIMARY ACTIVITY
63122 - Statbus UX

The information for this enterprise is derived from the primary legal unit [Statistics Norway O](#).

If you need to update this information, update the primary legal unit.

Active Passive Units

In the below screenshot, the establishment drill **Up Norway AS** has been set to Passive and this is marked, with an icon in addition to giving the numbers a *ghosted* look. This will give users heads up when they struggle to get the aggregation to sum up correctly.

Also, be aware when customizing Statbus countries have additional Status options than active passive, which is fine. Statbus just need to know which statuses should be included in the counting and aggregation.

Import

Statistical Units

Reports

Current Year (2026)

E

Statistics Norway O

Manage settings for Statistics Norway O

Identification

Contact

Demographic

Classifications

Statistical variables

History

Links and external references

Inspect

Links and external references

Relationships (links) between units of different types within the SBR

VIEW DETAILS

Statistics Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	Σ 27	Σ 20 045
PRIMARY ACTIVITY			
63121 - Statbus Software Custom			

Statistics Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	25	20 025
		Σ 27	Σ 20 045
PRIMARY ACTIVITY			
63121 - Statbus Software Custom			

Statbus Norway O

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	2	20
PRIMARY ACTIVITY			
63122 - Statbus UX			

Drill Up Norway AS

REGION	COUNTRY	EMPLOYEES	TURNOVER
Oslo	Norway	2	24
PRIMARY ACTIVITY			
63122 - Statbus UX			

The information for this enterprise is derived from the primary legal unit [Statistics Norway O](#).

If you need to update this information, update the primary legal unit.

Edit Legal Units or Establishments

As mentioned, the editing possibilities for enterprises are not possible, so be sure you enter the editing screens via a legal unit or an establishment. Editing the system also requires that your user role has editing permissions. (And external or restricted user will not have editing permissions.)



Import

Statistical Units

Reports

Current Year (2026)

E

Drill Up Norway AS

Manage settings for Drill Up Norway AS

Identification

Contact

Demographic

Classifications

Statistical variables

History

Links and external references

Inspect

This is **not** the primary establishment for the legal unit [Statistics Norway O](#).

Set as primary establishment

Identification

Identification information such as name, id(s) and physical address

NAME ⓘ

Drill Up Norway AS

DATA SOURCE

Select data source

VALID FROM

2026-01-01

VALID TO

yyyy-mm-dd

EDIT COMMENT

Optional comment

Cancel

Save

TAX IDENTIFIER

947111113

STATISTICAL IDENTIFIER

91024

Physical Location ⓘ

ADDRESS PART 1

Akersveien 26

ADDRESS PART 2

Important dates:

For edits the logic inside Statbus is **from** - **inclusive**. Setting only the year 2023 to *Passive* you should be From: **2023-01-01** Inclusive: **2023-12-31**, days are inclusive!

DATA SOURCE

Select data source

VALID FROM

2023-01-01

VALID TO

2023-12-31

EDIT COMMENT

Contact

Demographic

Classifications

Statistical variables

History

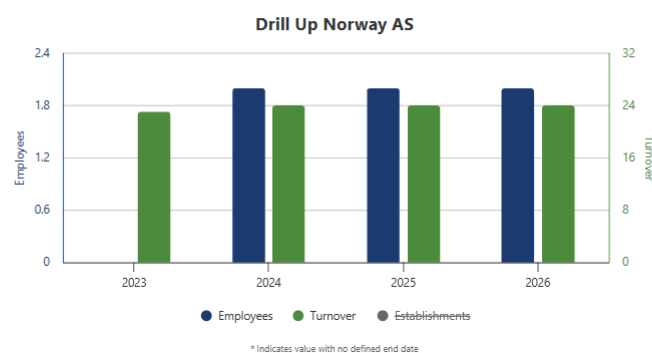
Links and external references

Inspect

This is **not** the primary establishment for the legal unit [Statistics Norway O](#).

Set as primary establishment

Statistical history for the unit



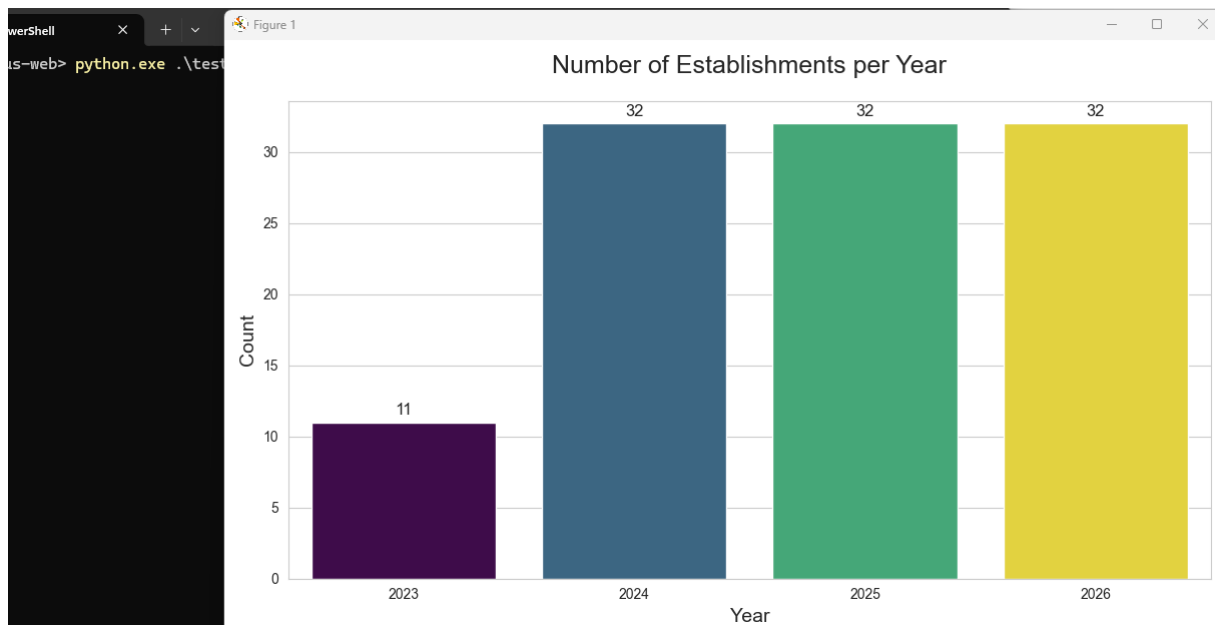
Valid from	Name	Primary Activity	Region	Status
2023-01-01	Drill UpSet Norway AS	0115 Growing of tobacco	10470301 Oslo	Active
2024-01-01	Drill Up Norway AS	63122 Statbus UX	10470301 Oslo	Passive
2025-01-01	Drill Up Norway AShey	63122 Statbus UX	10473907 Sandefjord	Active
2026-01-01	Drill Up Norway AS	63122 Statbus UX	10470301 Oslo	Active



Command Palette (+ + K)

Connecting With Python or R

It is possible to connect and use the underlying **api** to get same results as the Statbus application. Obviously, you will need a proper installation of Python and R. When connection you will need a token, you will find this token in the Statbus application under your profile. Best practice is to never send username and password in open readable text. Be however aware that if you send your token to somebody else, this is the same as giving away your username and password. Best practice is to keep your token in one env file, and not mixing it with your code, that you may want to share at some point.



Samples will be updated and available at github, be aware that samples using R require R-studio.

For full integration documentation, see:

<https://github.com/statisticsnorway/statbus/blob/master/doc/INTEGRATE.md>

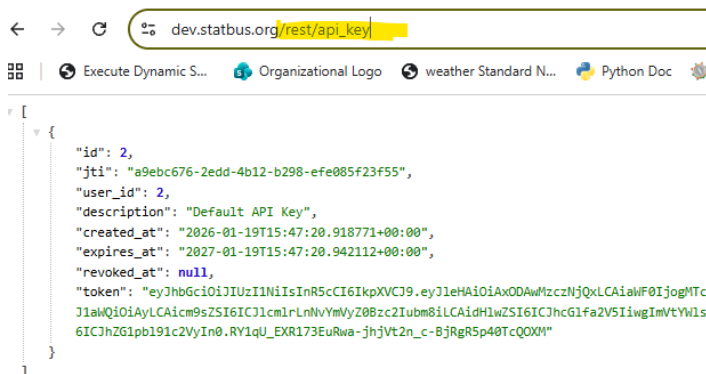
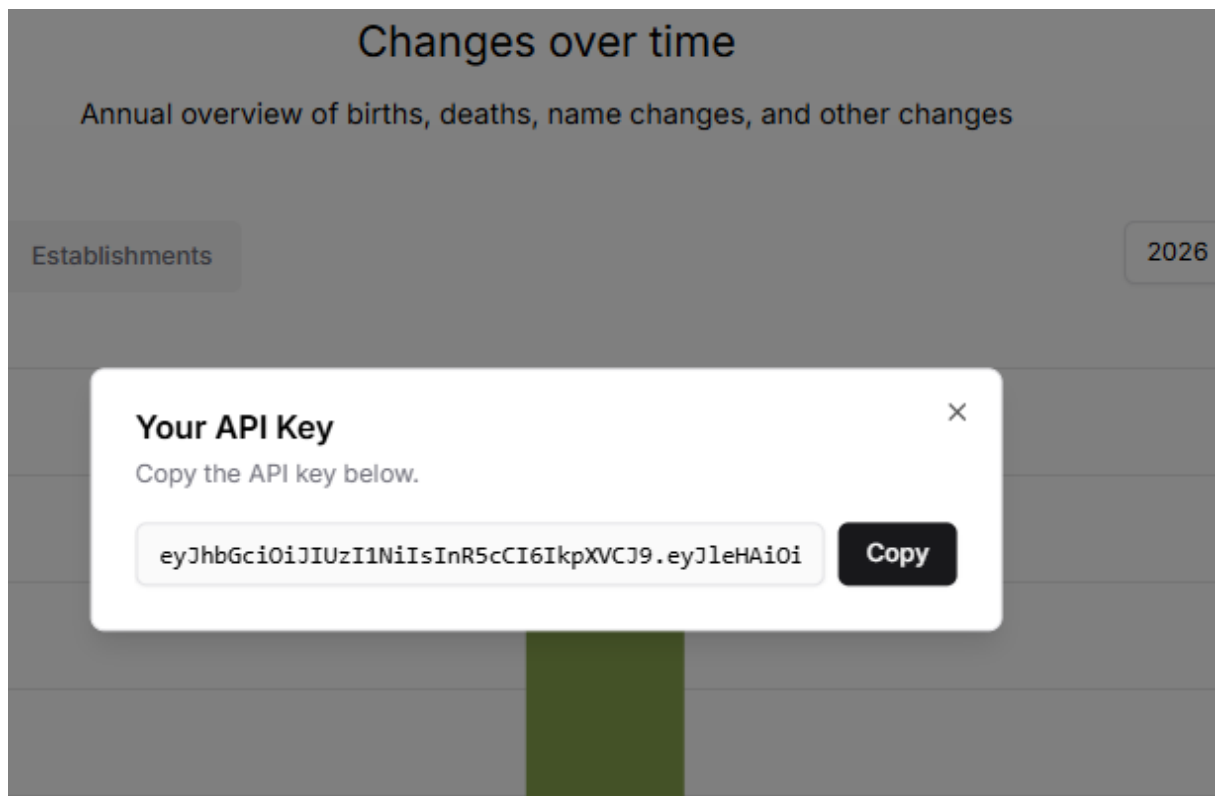
For REST API (Level 2) usage specifically, see:

<https://github.com/statisticsnorway/statbus/blob/master/doc/INTEGRATE.md#rest-api-level-2>

API key

To identify your **api** key, look for the api-key in the Command Palette:

The key contains username and password, so do NOT share the key, and keep the key in an environment file outside of your program, so it's not shared by accident. The key will be reset whenever a new Statbus installation is done and the key is valid for approximately 1 year.



Upgrades of Statbus

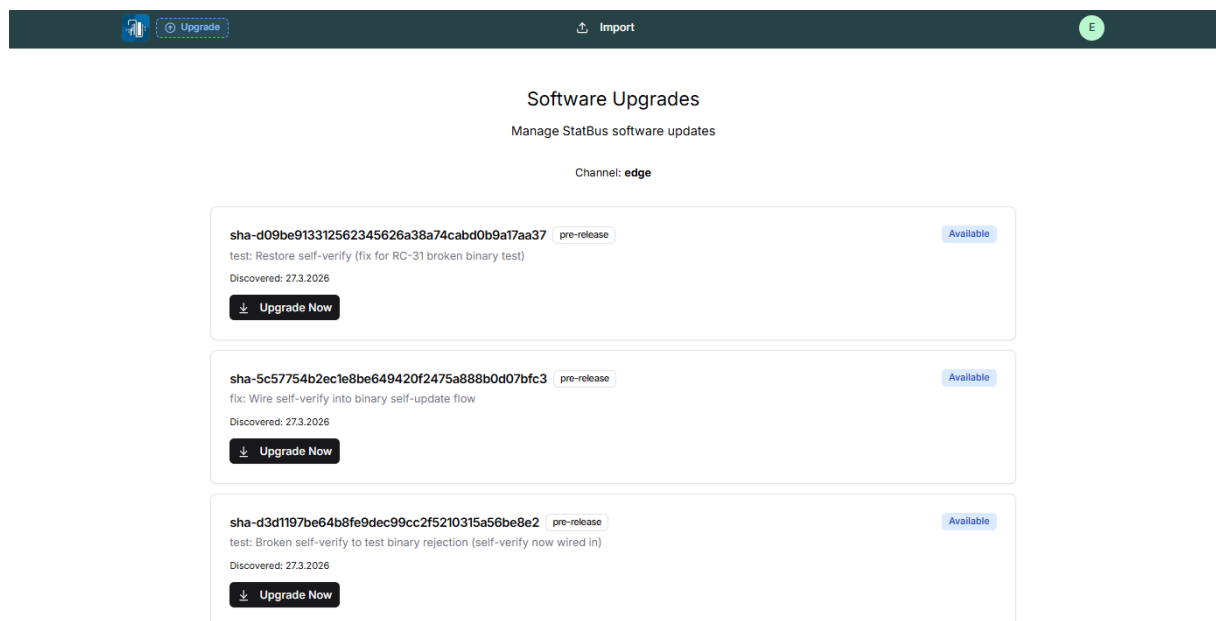
To simplify the process of upgrading Statbus across multiple countries, we have developed a remote update mechanism. The system periodically connects to GitHub to check for newer, tagged versions that are ready for installation.

Updates will not occur frequently; during the first one to two years, they are expected approximately every six months. When an update is available, an **“Upgrade Statbus”** button will be displayed. This will install a pre-built version of Statbus, including the necessary database migration scripts.

Before performing an upgrade, the system checks for sufficient disk space and creates a backup of the database to ensure recovery in case the upgrade fails.

The upgrade option is also accessible via the command palette for admin users, although it will typically display “No upgrades available” when no updates are found.

After an update has been executed, the screen may appear as shown below:



Current available fields – variable list

Valid Statbus headers / column names are:

birth_date
code
death_date
description
employees
legal_form_code
legal_unit_stat_ident
legal_unit_tax_ident
name
path
physical_address_part1
physical_address_part2
physical_address_part3
physical_country_iso_2
physical_postal_code
physical_postal_place
physical_region_code
physical_region_path
postal_address_part1
postal_address_part2
postal_address_part3
postal_country_iso_2
postal_postal_code
postal_postal_place
postal_region_code
postal_region_path
primary_activity_category_code
secondary_activity_category_code
sector_code
data_source_code
stat_ident
tag_path
tax_ident
turnover
valid_to
valid_from

In addition to custom defined fields.