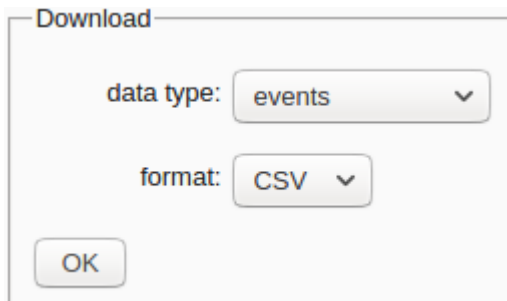


Data

Download

The data-download (Ctrl + Shift + U) operation shows the data download form.



You can download the events, expressions, and capacity profiles in CSV format only.

Upload

The data-upload (Ctrl + U) operation shows the data upload form. You can upload capacity profiles, events, and expressions from local CSV files and MySQL, Oracle and SQLite databases.

Because of the Single Origin Policy, uploading from a database requires that the model and the database are in the same domain, see [Same_origin_policy](#).

Model and databases must be in the same language.

Both for local CSV files and databases, uploading is synchronous.

After uploading, the events search button provides access to the database, for review and data quality checks. The search functionality requires that the database server runs [adminer](#) and that it is accessible on the intranet. The database search is not affected by the Single Origin Policy because the page with the data loads into a new browser window. Hence, you'll be able to search the databases regardless of the location of the model, even if the files are on your PC.

Database system

Some example upload forms are shown below.

MySQL

For uploading data from a MySQL database:

- the protocol must be selected (HTTPS for secure communication)
- the server URL can be left empty
- username and password
- the database name and table name
- the path to the folder with the ARTIS PHP files, as `/path/to/php/folder`, relative to the website root directory, this folder is on the database server and the input should be provided by your database

administrator

- (optional, for search only) the path to adminer.php, as /path/to/adminer.php, relative to the website root directory, this folder is on the database server and the input should be provided by your database administrator

Upload

data type:

system:

Database

protocol:

server URL:

username:

password:

database:

table:

php folder:

adminer.php:

OK

Oracle

For uploading data from an Oracle database:

- the protocol must be selected (HTTPS for secure communication)
- for Oracle only, the server URL must be supplied, even though the model and database are in the same domain, and the input should be provided by your Oracle database administrator
- username and password
- the database name and table name
- the path to the folder with the ARTIS php files, as /path/to/php/folder, relative to the website root directory. This folder is on the database server and the input should be provided by your database administrator
- (optional, for search only) the path to adminer.php, as /path/to/adminer.php, relative to the website root directory. This folder is on the database server and the input should be provided by your database administrator

Upload

data type:

system:

Database

protocol:

server URL

username:

password:

database:

table:

php folder:

adminer.php:

SQLite

For uploading data from an SQLite database:

- the protocol must be selected (HTTPS for secure communication)
- the server URL, username and password can be left empty
- the database name, that is the absolute path to the database, as /path/to/database.
- the table name
- the path to the directory with the ARTIS php files, as /path/to/php/folder, relative to the website root directory.
- (optional, for search only) the path to adminer.php, as /path/to/adminer.php, relative to the website root directory.

The paths to the directories and files on the database server should be provided by your database administrator.

Upload

data type:

system:

Database

protocol:

server URL:

username:

password:

database:

table:

php folder:

adminer:

OK

CSV

Uploading data from a local CSV file is straightforward, by a file browser.

Data type

Regardless of the database system, the data tables have the same layout. The tables must not have any empty rows.

Events

This screenshot shows a table with events from a CSV file.

	A	B	C	D	E	F	G	H
1	V6	1	component	mode	unplanned	01/11/17 12:00	01/12/17 12:00	0
2	V6	2	component	mode	unplanned	01/11/17 12:00	01/12/17 12:00	0
3	V6	3	component	mode	unplanned	01/11/17 12:00	01/12/17 12:00	0
4	G10	1	component	HGPI	planned	01/04/17 08:00	15/04/17 08:00	0
5	G10	1	component	MI	planned	01/04/20 08:00	30/04/20 08:00	0
6	G11	1	component	HGPI	planned	01/04/18 08:00	15/04/18 08:00	0
7	G11	1	component	MI	planned	01/04/21 08:00	30/04/21 08:00	0
8	G12	1	component	HGPI	planned	01/04/19 08:00	15/04/19 08:00	0
9	G12	1	component	MI	planned	01/04/22 08:00	30/04/22 08:00	0

Expressions

This screenshot shows a table with expressions from an SQLite database.

MySQL » Server » artis » Select: expressions

Select: expressions

[Select data](#) [Show structure](#) [Alter table](#) [New item](#)

 50 100 Select

`SELECT * FROM `expressions` LIMIT 50` [Edit](#)

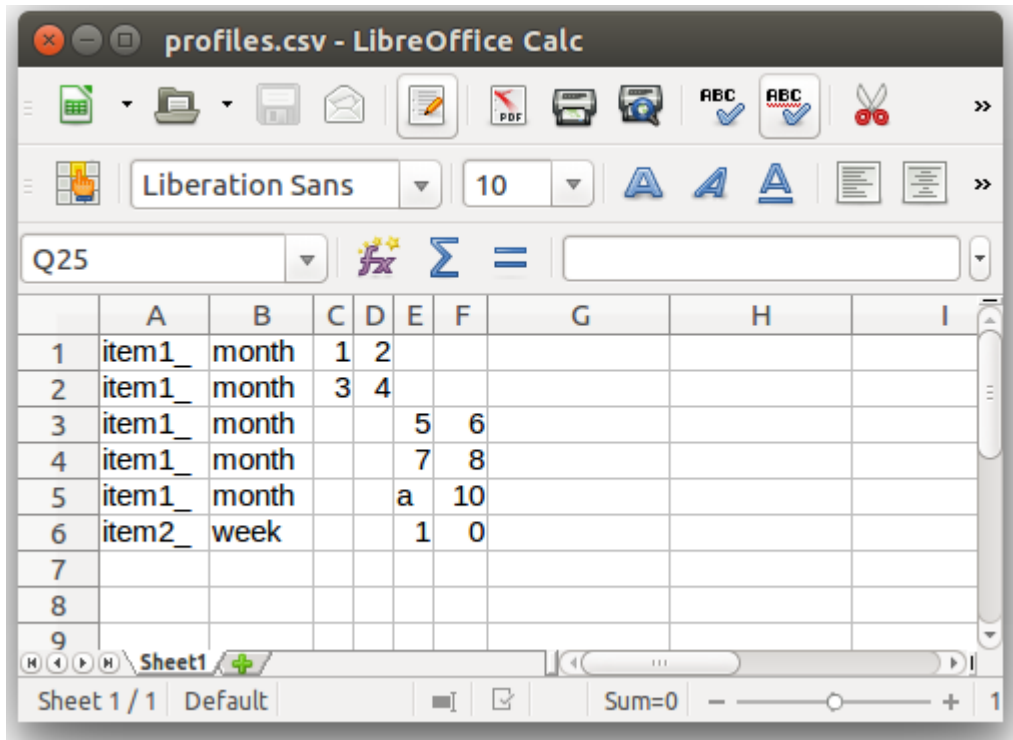
<input type="checkbox"/> Modify	name	expression
<input type="checkbox"/> edit	c1	$(0.9 + 0.1 * \text{Math.cos}(0)) * \text{trainCap}$
<input type="checkbox"/> edit	c2	$(0.9 + 0.1 * \text{Math.cos}(1 * \text{Math.PI} / 6)) * \text{trainCap}$
<input type="checkbox"/> edit	trainCap	1602 / 3
<input type="checkbox"/> edit	separatorCap	170
<input type="checkbox"/> edit	c3	$(0.9 + 0.1 * \text{Math.cos}(2 * \text{Math.PI} / 6)) * \text{trainCap}$
<input type="checkbox"/> edit	c4	$(0.9 + 0.1 * \text{Math.cos}(3 * \text{Math.PI} / 6)) * \text{trainCap}$
<input type="checkbox"/> edit	c5	$(0.9 + 0.1 * \text{Math.cos}(4 * \text{Math.PI} / 6)) * \text{trainCap}$
<input type="checkbox"/> edit	c6	$(0.9 + 0.1 * \text{Math.cos}(5 * \text{Math.PI} / 6)) * \text{trainCap}$

(8 rows) whole result

Save

Capacity profiles

This screenshot shows a table with capacity profiles from a CSV file.



The screenshot shows the LibreOffice Calc application window titled "profiles.csv". The spreadsheet contains a table with 9 rows and 10 columns (A-I). The data is as follows:

	A	B	C	D	E	F	G	H	I
1	item1_	month	1	2					
2	item1_	month	3	4					
3	item1_	month			5	6			
4	item1_	month			7	8			
5	item1_	month			a	10			
6	item2_	week			1	0			
7									
8									
9									

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