
domdf*spreadsheettools*

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Tools for creating and formatting spreadsheets with Python and OpenPyXL.

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INSTALLATION

from PyPI

```
$ pip install domdf_spreadsheet_tools
```

from Anaconda

First add the required channels

```
$ conda config --add channels http://conda.anaconda.org/domdfcoding
```

```
$ conda config --add channels http://conda.anaconda.org/conda-forge
```

Then install

```
$ conda install domdf_spreadsheet_tools
```

from GitHub

```
$ pip install git+https://github.com//domdf_spreadsheet_tools@master
```

1.1 domdf_spreadsheet_tools

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 - `domdf_spreadsheet_tools`

Tools for creating and formatting spreadsheets with Python and OpenPyXL

```
domdf_spreadsheet_tools.append_to_xlsx(csv_input_file, xlsx_output_file, sheet_title=None,  
                                       separator=',', overwrite=False, use_io=False,  
                                       toFloats=False)
```

Add CSV file to xlsx file as a new worksheet

Parameters

- **csv_input_file** (*str or pathlib.Path or os.PathLike*) – filepath of CSV file to
- **xlsx_output_file** (*str or pathlib.Path or os.PathLike*) – filepath of xlsx file
- **sheet_title** (*str, optional*) – Title of sheet to append. Default is the value of `csv_input_file`
- **separator** (*str, optional*) – Separator for reading CSV file. Default ,

- **overwrite** (*bool*, *optional*) – Whether to overwrite the xlsx output file (i.e. create a new file containing just the new sheet). Default `False`
- **use_io** (*bool*, *optional*) – Whether to use the io module. Default `False`
- **toFloats** (*bool*, *optional*) – Whether to read strings with thousand separators as floats. Default `False`

Return type `None`

`domdf_spreadsheet_tools.format_header(ws, alignment_list, start_row=1, end_row=1)`

Format the alignment of the header rows of a worksheet

Parameters

- **ws** (`openpyxl.worksheet.worksheet.Worksheet`) – The worksheet to format
- **alignment_list** (`Dict[str, str]`) – dictionary of alignments (left, right, center) for each column letter
- **start_row** (*int*, *optional*) – The row to start formatting on. Default `1`
- **end_row** (*int*, *optional*) – The row to end formatting on. Default `1`

`domdf_spreadsheet_tools.format_sheet(ws, number_format_list=None, width_list=None, alignment_list=None)`

Format columns of an xlsx worksheet

Parameters

- **ws** (`openpyxl.worksheet.worksheet.Worksheet`) – The worksheet to format
- **number_format_list** (`Optional[Dict[str, str]]`) – dictionary of number format strings for each column letter
- **width_list** (`Optional[Dict[str, float]]`) – dictionary of widths for each column letter
- **alignment_list** (`Optional[Dict[str, str]]`) – dictionary of alignments (left, right, or center) for each column letter

`domdf_spreadsheet_tools.make_column_property_dict(indict, outdict=None, offset_dict=None, repeat=1, length=1)`

Generate property lists from integer values

Parameters

- **indict** (*dict*) – Property values to add to the property dict
- **outdict** (*dict*) – Dictionary of properties for each column letter
- **offset_dict** –
- **repeat** (*int*, *optional*) – Default `1`
- **length** (*int*, *optional*) – Default `1`

TODO: Finish this docstring; check usage in GunShotMatch

Returns

Return type

1.1.1 domdf_spreadsheet_tools

1.2 Downloading source code

PyMS source code resides on publicly accessible GitHub servers, and can be accessed from the following URL:
https://github.com/domdfcoding/domdf_spreadsheet_tools/

If you have `git` installed, you can clone the repository with the following command:

```
$ git clone https://github.com/domdfcoding/domdf_spreadsheet_tools/  
> Cloning into 'pyms'...  
> remote: Enumerating objects: 47, done.  
> remote: Counting objects: 100% (47/47), done.  
> remote: Compressing objects: 100% (41/41), done.  
> remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126  
> Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.  
> Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a 'zip' file by clicking:

Clone or download -> Download Zip

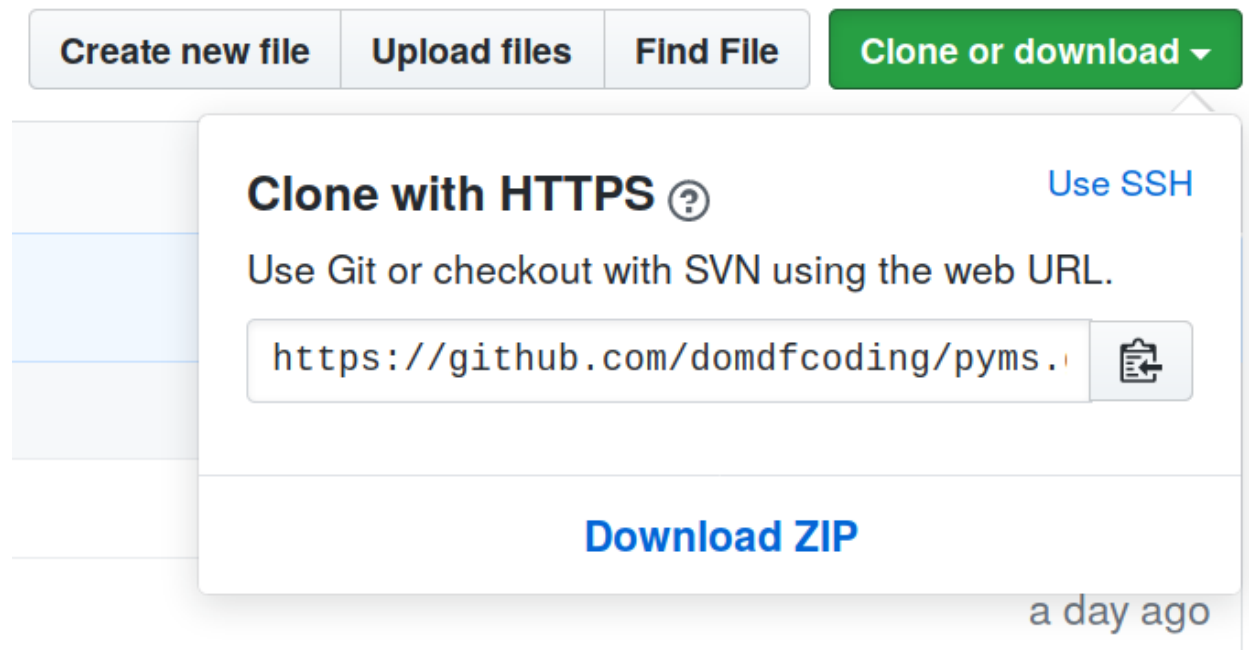


Fig. 1: Downloading a 'zip' file of the source code

1.3 Building from source

To build the domdf_spreadsheet_tools package from source using setuptools, run the following command:

```
$ python3 setup.py sdist bdist_wheel
```

setuptools is configured using the file setup.py.

Different formats are available for built distributions

Format	Description	Notes
gztar	gzipped tar file (.tar.gz)	default on Unix
bztar	bzipped tar file (.tar.bz2)	
xztar	bzipped tar file (.tar.bz2)	
tar	tar file (.tar)	
zip	zip file (.zip)	default on Windows
wininst	self-extracting ZIP file for Windows	
msi	Microsoft Installer	

setup.py

```
1  #!/usr/bin/env python
2  # This file is managed by `git_helper`. Don't edit it directly
3  """Setup script"""
4
5  # 3rd party
6  from setuptools import find_packages, setup
7
8  from __pkginfo__ import * # pylint: disable=wildcard-import
9
10 setup(
11     author=author,
12     author_email=author_email,
13     classifiers=classifiers,
14     description=short_desc,
15     entry_points=entry_points,
16     extras_require=extras_require,
17     include_package_data=True,
18     install_requires=install_requires,
19     license=__license__,
20     long_description=long_description,
21     name=pypi_name,
22     packages=find_packages(exclude=("tests", "doc-source")),
23     project_urls=project_urls,
24     py_modules=py_modules,
25     python_requires=">=3.6",
26     url=web,
27     version=__version__,
28     keywords=keywords,
29     zip_safe=False,
```

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View the Function Index or browse the [Source Code](#).

[Browse the GitHub Repository](#)

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