
coincidence

Release 0.6.6

Helper functions for pytest.

Dominic Davis-Foster

May 15, 2024

Contents

1	Installation	1
1.1	from PyPI	1
1.2	from Anaconda	1
1.3	from GitHub	1
2	coincidence	3
2.1	PEP_563	3
2.2	pytest_report_header	3
3	coincidence.fixtures	5
3.1	fixed_datetime	5
3.2	path_separator	5
3.3	tmp_pathplus	6
4	coincidence.params	7
4.1	count	7
4.2	whitespace_perms	7
4.3	testing_boolean_values	8
4.4	param	8
4.5	parametrized_versions	9
5	coincidence.regressions	11
5.1	AdvancedDataRegressionFixture	11
5.2	AdvancedFileRegressionFixture	12
5.3	SupportsAsDict	13
5.4	advanced_data_regression	13
5.5	advanced_file_regression	13
5.6	check_file_regression	13
5.7	check_file_output	14
6	coincidence.selectors	15
6.1	min_version	16
6.2	max_version	16
6.3	only_version	16
6.4	not_windows	16
6.5	only_windows	16
6.6	not_pypy	17
6.7	only_pypy	17
6.8	not_macos	17
6.9	only_macos	17
6.10	not_docker	17
6.11	not_linux	17

6.12	only_linux	18
6.13	only_docker	18
6.14	platform_boolean_factory	18
7	coincidence.utils	19
7.1	generate_truthy_values	19
7.2	generate_falsy_values	19
7.3	is_docker	19
7.4	with_fixed_datetime	20
8	Changelog	21
8.1	0.6.0	21
8.2	0.5.0	21
8.3	0.4.3	21
8.5	0.4.1	21
8.7	0.4.0	21
8.9	0.3.1	21
8.11	0.3.0	22
8.13	0.2.3	22
8.15	0.2.0	22
8.17	0.1.2	22
8.18	0.1.1	23
8.19	0.1.0	23
	Python Module Index	25
	Index	27

Installation

1.1 from PyPI

```
$ python3 -m pip install coincidence --user
```

1.2 from Anaconda

First add the required channels

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

Then install

```
$ conda install coincidence
```

1.3 from GitHub

```
$ python3 -m pip install git+https://github.com/python-coincidence/coincidence@master --user
```


coincidence

Helper functions for pytest.

Data:

<code>PEP_563</code>	<code>True</code> if the current Python version implements PEP 563 – Postponed Evaluation of Annotations.
----------------------	--

Functions:

<code>pytest_report_header(config)</code>	Prints the start time of the pytest session.
---	--

PEP_563 = False

Type: `bool`

`True` if the current Python version implements **PEP 563** – Postponed Evaluation of Annotations.

Note: This is currently set to `False` until the future of typing PEPs has been determined. No released versions of Python currently have **PEP 563** enabled by default.

Changed in version 0.6.0: Temporarily set to `False` regardless of version.

pytest_report_header (*config*)

Prints the start time of the pytest session.

Return type `str`

coincidence.fixtures

Pytest fixtures.

To enable the fixtures add the following to `conftest.py` in your test directory:

```
pytest_plugins = ("coincidence", )
```

See the [pytest documentation](#) for more information.

Functions:

<code>fixed_datetime(monkeypatch)</code>	Pytest fixture to pretend the current datetime is 2:20 AM on 13th October 2020.
<code>path_separator(request)</code>	Parametrized pytest fixture which returns the current filesystem path separator and skips the test for the other.
<code>tmp_pathplus(tmp_path)</code>	Pytest fixture which returns a temporary directory in the form of a <code>PathPlus</code> object.

fixture `fixed_datetime`

Scope: function

Pytest fixture to pretend the current datetime is 2:20 AM on 13th October 2020.

See also: The `with_fixed_datetime()` contextmanager.

Attention: The monkeypatching only works when datetime is used and imported like:

```
import datetime
print(datetime.datetime.now())
```

Using `from datetime import datetime` won't work.

Return type `Iterator`

fixture `path_separator`

Scope: function

Parametrized pytest fixture which returns the current filesystem path separator and skips the test for the other.

This is useful when the test output differs on platforms with `\` as the path separator, such as windows.

New in version 0.4.0.

Return type `str`

fixture tmp_pathplus

Scope: function

Pytest fixture which returns a temporary directory in the form of a `PathPlus` object.

The directory is unique to each test function invocation, created as a sub directory of the base temporary directory.

Use it as follows:

```
pytest_plugins = ("coincidence", )

def test_something(tmp_pathplus: PathPlus):
    assert True
```

Return type `PathPlus`

coincidence.params

pytest.mark.parametrize decorators.

Functions:

<code>count(stop[, start, step])</code>	Returns a <code>pytest.mark.parametrize</code> decorator which provides a list of numbers between <code>start</code> and <code>stop</code> with an interval of <code>step</code> .
<code>whitespace_perms([ratio])</code>	Returns a <code>pytest.mark.parametrize</code> decorator which provides permutations of whitespace.
<code>testing_boolean_values([extra_truthy, ...])</code>	Returns a <code>pytest.mark.parametrize</code> decorator which provides a list of strings, integers and booleans, and the boolean representations of them.
<code>param(*values[, marks, id, idx, key])</code>	Specify a parameter in <code>pytest.mark.parametrize</code> calls or parametrized fixtures.
<code>parametrized_versions(*versions[, reasons])</code>	Return a list of parametrized version numbers.

count (*stop*, *start*=0, *step*=1)

Returns a `pytest.mark.parametrize` decorator which provides a list of numbers between `start` and `stop` with an interval of `step`.

The single parametrized argument is `count`.

Parameters

- **stop** (*int*) – The stop value passed to `range`.
- **start** (*int*) – The start value passed to `range`. Default 0.
- **step** (*int*) – The step passed to `range`. Default 1.

Return type `MarkDecorator`

whitespace_perms (*ratio*=0.5)

Returns a `pytest.mark.parametrize` decorator which provides permutations of whitespace.

For this function whitespace is only `_\n\t\r`.

Not all permutations are returned, as there are a lot of them; instead a random selection of the permutations is returned. By default ½ of the permutations are returned, but this can be configured using the `ratio` argument.

The single parametrized argument is `char`.

Parameters **ratio** (*float*) – The ratio of the number of permutations to select to the total number of permutations. Default 0.5.

Return type `MarkDecorator`

testing_boolean_values (*extra_truthy=()*, *extra_falsy=()*, *ratio=1*)

Returns a `pytest.mark.parametrize` decorator which provides a list of strings, integers and booleans, and the boolean representations of them.

The parametrized arguments are `boolean_string` for the input value, and `expected_boolean` for the expected output.

Optionally, a random selection of the values can be returned using the `ratio` argument.

Parameters

- **extra_truthy** (*Sequence*) – Additional values to treat as `True`. Default `()`.
- **extra_falsy** (*Sequence*) – Additional values to treat as `False`. Default `()`.
- **ratio** (*float*) – The ratio of the number of values to select to the total number of values. Default `1`.

Return type `MarkDecorator`

param (**values*, *marks=()*, *id=None*, *idx=None*, *key=None*)

Specify a parameter in `pytest.mark.parametrize` calls or `parametrized fixtures`.

Examples:

```
@pytest.mark.parametrize("test_input, expected", [
    ("3+5", 8),
    param("6*9", 42, marks=pytest.mark.xfail),
    param("2**2", 4, idx=0),
    param("3**2", 9, id="3^2"),
    param("sqrt(9)", 3, key=itemgetter(0)),
])
def test_eval(test_input, expected):
    assert eval(test_input) == expected
```

New in version 0.4.0.

Parameters

- ***values** (*~T*) – Variable args of the values of the parameter set, in order.
- **marks** (*Union[MarkDecorator, Collection[Union[MarkDecorator, Mark]]]*) – A single mark or a list of marks to be applied to this parameter set. Default `()`.
- **id** (*Optional[str]*) – The id to attribute to this parameter set. Default `None`.
- **idx** (*Optional[int]*) – The index of the value in `*values` to use as the id. Default `None`.
- **key** (*Optional[Callable[[Tuple[~T, ...]], str]]*) – A callable which is given values (as a `tuple`) and returns the value to use as the id. Default `None`.

Return type `ParameterSet`

Overloads

- `param(values: object, marks = (), id: Optional[str] = ...)`
- `param(values: object, marks = (), idx: Optional[int])`
- `param(values, marks = (), key: Optional[Callable[[Tuple[~T, ...]], str]])`

parametrized_versions (*versions, reasons=())

Return a list of parametrized version numbers.

Examples:

```
@pytest.mark.parametrize(
    "version",
    parametrized_versions(
        3.6,
        3.7,
        3.8,
        reason="Output differs on each version.",
    ),
)
def test_something(version: str):
    pass
```

```
@pytest.fixture(
    params=parametrized_versions(
        3.6,
        3.7,
        3.8,
        reason="Output differs on each version.",
    ),
)
def version(request):
    return request.param

def test_something(version: str):
    pass
```

New in version 0.4.0.

Parameters

- ***versions** (Union[str, float, Tuple[int, ...]]) – The Python versions to parametrize.
- **reasons** (Union[str, Iterable[Optional[str]]]) – The reasons to use when skipping versions. Either a string value to use for all versions, or a list of values which correspond to *versions. Default ().

Return type List[ParameterSet]

coincidence.regressions

Regression test helpers.

To enable the fixtures in this module add the following to `conftest.py` in your test directory:

```
pytest_plugins = ("coincidence", )
```

Classes:

<code>AdvancedDataRegressionFixture(datadir, ...)</code>	Subclass of <code>DataRegressionFixture</code> with support for additional types.
<code>AdvancedFileRegressionFixture(datadir, ...)</code>	Subclass of <code>FileRegressionFixture</code> with UTF-8 by default and some extra methods.
<code>SupportsAsDict</code>	<code>typing.Protocol</code> for classes like <code>collections.namedtuple()</code> and <code>typing.NamedTuple</code> which implement an <code>_asdict()</code> method.

Functions:

<code>advanced_data_regression(datadir, ...)</code>	Pytest fixture for performing regression tests on lists, dictionaries and namedtuples.
<code>advanced_file_regression(datadir, ...)</code>	Pytest fixture for performing regression tests on strings, bytes and files.
<code>check_file_regression(data, file_regression)</code>	Check the given data against that in the reference file.
<code>check_file_output(filename, file_regression)</code>	Check the content of the given text file against the reference file.

class `AdvancedDataRegressionFixture` (*datadir, original_datadir, request*)

Bases: `DataRegressionFixture`

Subclass of `DataRegressionFixture` with support for additional types.

The following types and their subclasses are supported:

- `collections.abc.Mapping`, `typing.Mapping` (including `dict` and `typing.Dict`)
- `collections.abc.Sequence`, `typing.Sequence` (including `list`, `typing.Tuple` etc.)
- `collections.OrderedDict`, `typing.OrderedDict`
- `collections.Counter`, `typing.Counter`
- `types.MappingProxyType` (cannot be subclassed)
- `_pytest.capture.CaptureResult` (the type of `capsys.readouterr()`)
- Any type which implements the `SupportsAsDict` protocol (including `collections.namedtuple()` and `typing.NamedTuple`)

check (*data_dict*, *basename=None*, *fullpath=None*)

Checks data against a previously recorded version, or generates a new file.

Parameters

- **data_dict** (`Union[Sequence, SupportsAsDict, Mapping, MappingProxyType, CaptureResult]`)
- **basename** (`Optional[str]`) – The basename of the file to test/record. If not given the name of the test is used. Default `None`.
- **fullpath** (`Optional[str]`) – The complete path to use as a reference file. This option will ignore `datadir` fixture when reading *expected* files, but will still use it to write *obtained* files. Useful if a reference file is located in the session data dir, for example. Default `None`.

Note: `basename` and `fullpath` are exclusive.

class AdvancedFileRegressionFixture (*datadir*, *original_datadir*, *request*)

Bases: `FileRegressionFixture`

Subclass of `FileRegressionFixture` with UTF-8 by default and some extra methods.

New in version 0.2.0.

Methods:

<code>check</code> (<i>contents</i> [, <i>encoding</i> , <i>extension</i> , ...])	Checks the contents against a previously recorded version, or generates a new file.
<code>check_bytes</code> (<i>contents</i> , <i>**kwargs</i>)	Checks the bytes contents against a previously recorded version, or generates a new file.
<code>check_file</code> (<i>filename</i> [, <i>extension</i> , <i>newline</i>])	Check the content of the given text file against the reference file.

check (*contents*, *encoding='UTF-8'*, *extension='.txt'*, *newline=None*, *basename=None*, *fullpath=None*, *binary=False*, *obtained_filename=None*, *check_fn=None*)

Checks the contents against a previously recorded version, or generates a new file.

Parameters

- **contents** (`Union[str, StringList]`)
- **extension** (`str`) – The extension of the reference file. Default `'.txt'`.
- ****kwargs** – Additional keyword arguments passed to `pytest_regressions.file_regression.FileRegressionFixture.check()`.

See also: `check_file_regression()`

check_bytes (*contents*, ***kwargs*)

Checks the bytes contents against a previously recorded version, or generates a new file.

Parameters

- **contents** (`bytes`)
- ****kwargs** – Additional keyword arguments passed to `pytest_regressions.file_regression.FileRegressionFixture.check()`.

check_file (*filename*, *extension=None*, *newline='\n'*, ***kwargs*)
 Check the content of the given text file against the reference file.

Parameters

- **filename** (`Union[str, Path, PathLike]`)
- **extension** (`Optional[str]`) – The extension of the reference file. If `None` the extension is determined from `filename`. Default `None`.
- **newline** (`Optional[str]`) – Controls how universal newlines mode works. See `open()`. Default `'\n'`.
- ****kwargs** – Additional keyword arguments passed to `pytest_regressions.file_regression.FileRegressionFixture.check()`.

See also: `check_file_output()`

protocol SupportsAsDict

Bases: `Protocol`

`typing.Protocol` for classes like `collections.namedtuple()` and `typing.NamedTuple` which implement an `_asdict()` method.

This protocol is `runtime checkable`.

Classes that implement this protocol must have the following methods / attributes:

`_asdict()`

Return a new dict which maps field names to their corresponding values.

Return type `Dict[str, Any]`

`__non_callable_proto_members__ = {}`

Type: `set`

fixture advanced_data_regression

Scope: function

Pytest fixture for performing regression tests on lists, dictionaries and namedtuples.

Return type `AdvancedDataRegressionFixture`

fixture advanced_file_regression

Scope: function

Pytest fixture for performing regression tests on strings, bytes and files.

New in version 0.2.0.

Return type `AdvancedFileRegressionFixture`

check_file_regression (*data*, *file_regression*, *extension='.txt'*, ***kwargs*)

Check the given data against that in the reference file.

Parameters

- **data** (`Union[str, StringList]`)
- **file_regression** (`FileRegressionFixture`) – The file regression fixture for the test.

- **extension** (`str`) – The extension of the reference file. Default `'.txt'`.
- ****kwargs** – Additional keyword arguments passed to `pytest_regressions.file_regression.FileRegressionFixture.check()`.

See also: `AdvancedFileRegressionFixture.check()`

Return type `bool`

check_file_output (`filename`, `file_regression`, `extension=None`, `newline='\n'`, `**kwargs`)

Check the content of the given text file against the reference file.

Parameters

- **filename** (`Union[str, Path, PathLike]`)
- **file_regression** (`FileRegressionFixture`) – The file regression fixture for the test.
- **extension** (`Optional[str]`) – The extension of the reference file. If `None` the extension is determined from `filename`. Default `None`.
- **newline** (`Optional[str]`) – Controls how universal newlines mode works. See `open()`. Default `'\n'`.
- ****kwargs** – Additional keyword arguments passed to `pytest_regressions.file_regression.FileRegressionFixture.check()`.

See also: `AdvancedFileRegressionFixture.check_file()`

Return type `bool`

coincidence.selectors

Pytest decorators for selectively running tests.

Functions:

<code>min_version(version[, reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current Python version is less than the required one.
<code>max_version(version[, reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current Python version is greater than the required one.
<code>only_version(version[, reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current Python version not the required one.
<code>not_windows([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current platform is Windows.
<code>only_windows([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test unless the current platform is Windows.
<code>not_pypy([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current Python implementation is PyPy.
<code>only_pypy([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test unless the current Python implementation is PyPy.
<code>not_macos([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current platform is macOS.
<code>only_macos([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test unless the current platform is macOS.
<code>not_docker([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if running on Docker.
<code>not_linux([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test if the current platform is Linux.
<code>only_linux([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test unless the current platform is Linux.
<code>only_docker([reason])</code>	Factory function to return a <code>@pytest.mark.skipif</code> decorator which will skip a test unless running on Docker.
<code>platform_boolean_factory(condition, platform)</code>	Factory function to return decorators such as <code>not_pypy()</code> and <code>only_windows()</code> .

min_version (*version*, *reason=None*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current Python version is less than the required one.

Parameters

- **version** (`Union[str, float, Tuple[int, ...]]`) – The version number to compare to `sys.version_info`.
- **reason** (`Optional[str]`) – The reason to display when skipping. Default 'Requires Python <version> or greater.'

Return type `MarkDecorator`

max_version (*version*, *reason=None*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current Python version is greater than the required one.

Parameters

- **version** (`Union[str, float, Tuple[int, ...]]`) – The version number to compare to `sys.version_info`.
- **reason** (`Optional[str]`) – The reason to display when skipping. Default 'Not needed after Python <version>.'

Return type `MarkDecorator`

only_version (*version*, *reason=None*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current Python version not the required one.

Parameters

- **version** (`Union[str, float, Tuple[int, ...]]`) – The version number to compare to `sys.version_info`.
- **reason** (`Optional[str]`) – The reason to display when skipping. Default 'Not needed on Python <version>.'

Return type `MarkDecorator`

not_windows (*reason='Not required on Windows'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current platform is Windows.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Not required on Windows'.

Return type `MarkDecorator`

only_windows (*reason='Only required on Windows'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test unless the current platform is Windows.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Only required on Windows'.

Return type `MarkDecorator`

not_pypy (*reason='Not required on PyPy'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current Python implementation is PyPy.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Not required on PyPy'.

Return type `MarkDecorator`

only_pypy (*reason='Only required on PyPy'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test unless the current Python implementation is PyPy.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Only required on PyPy'.

Return type `MarkDecorator`

not_macos (*reason='Not required on macOS'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current platform is macOS.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Not required on macOS'.

Return type `MarkDecorator`

only_macos (*reason='Only required on macOS'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test unless the current platform is macOS.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Only required on macOS'.

Return type `MarkDecorator`

not_docker (*reason='Not required on Docker'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if running on Docker.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Not required on Docker'.

Return type `MarkDecorator`

not_linux (*reason='Not required on Linux'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test if the current platform is Linux.

New in version 0.2.0.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Not required on Linux'.

Return type `MarkDecorator`

only_linux (*reason='Only required on Linux'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test unless the current platform is Linux.

New in version 0.2.0.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Only required on Linux'.

Return type `MarkDecorator`

only_docker (*reason='Only required on Docker'*)

Factory function to return a `@pytest.mark.skipif` decorator which will skip a test unless running on Docker.

Parameters **reason** (`str`) – The reason to display when skipping. Default 'Only required on Docker'.

Return type `MarkDecorator`

platform_boolean_factory (*condition, platform, versionadded=None, *, module=None*)

Factory function to return decorators such as `not_pypy()` and `only_windows()`.

Parameters

- **condition** (`bool`) – Should evaluate to `True` if the test should be skipped.
- **platform** (`str`)
- **versionadded** (`Optional[str]`) – Default `None`.
- **module** (`Optional[str]`) – The module to set the function as belonging to in `__module__`. If `None` `__module__` is set to `'coincidence.selectors'`. Default `None`.

Return type `Tuple[Callable[...MarkDecorator], Callable[...MarkDecorator]]`

Returns 2-element tuple of `not_function`, `only_function`.

`coincidence.utils`

Test helper utilities.

Functions:

<code>generate_truthy_values([extra_truthy, ratio])</code>	Returns an iterator of strings, integers and booleans which should be considered <code>True</code> .
<code>generate_falsy_values([extra_falsy, ratio])</code>	Returns an iterator of strings, integers and booleans which should be considered <code>False</code> .
<code>is_docker()</code>	Returns whether the current Python instance is running in Docker.
<code>with_fixed_datetime(fixed_datetime)</code>	Context manager to set a fixed datetime for the duration of the <code>with</code> block.

generate_truthy_values (*extra_truthy=()*, *ratio=1*)

Returns an iterator of strings, integers and booleans which should be considered `True`.

Optionally, a random selection of the values can be returned using the `ratio` argument.

Parameters

- **extra_truthy** (`Iterable[Union[str, int, ~_T]]`) – Additional values which should be considered `True`. Default `()`.
- **ratio** (`float`) – The ratio of the number of values to select to the total number of values. Default `1`.

Return type `Iterator[Union[str, int, ~_T]]`

generate_falsy_values (*extra_falsy=()*, *ratio=1*)

Returns an iterator of strings, integers and booleans which should be considered `False`.

Optionally, a random selection of the values can be returned using the `ratio` argument.

Parameters

- **extra_falsy** (`Iterable[Union[str, int, ~_T]]`) – Additional values which should be considered `True`. Default `()`.
- **ratio** (`float`) – The ratio of the number of values to select to the total number of values. Default `1`.

Return type `Iterator[Union[str, int, ~_T]]`

is_docker ()

Returns whether the current Python instance is running in Docker.

Return type `bool`

with_fixed_datetime (*fixed_datetime*)

Context manager to set a fixed datetime for the duration of the with block.

Parameters **fixed_datetime** (*datetime*)

See also: The *fixed_datetime* fixture.

Attention: The monkeypatching only works when datetime is used and imported like:

```
import datetime
print(datetime.datetime.now())
```

Using `from datetime import datetime` won't work.

Return type *Iterator*

Changelog

0.6.0

`coincidence.PEP_563()` is temporarily set to `False` for all versions until the future of typing PEPs has been determined. No released versions of Python currently have **PEP 563** enabled by default.

0.5.0

- `coincidence.regressions.AdvancedDataRegressionFixture()` – Add support for `pathlib` and `domdf_python_tools.paths.PathPlus`.

0.4.3

Bugs Fixed

- `coincidence.utils.with_fixed_datetime()` – Correctly handle monkeypatching of datetime in PyPy.

0.4.1

Bugs Fixed

- `coincidence.PEP_563()` – Is now `True` on Python ≥ 3.11 , per the deferral of **PEP 563**.

0.4.0

Additions

Fixtures

- `coincidence.fixtures.path_separator`

Functions

- `coincidence.params.param()`
- `coincidence.params.parametrized_versions()`

0.3.1

Bugs Fixed

`coincidence.regressions` – Ensure the custom YAML representers are only configured if PyYAML can be imported.

0.3.0

`coincidence.regressions.AdvancedDataRegressionFixture`

- Handle `toml.decoder.InlineTableDict` the `toml` module is available.
- Improve handling of custom subclasses, especially for nested types.

0.2.3

Bugs Fixed

Disabled the entry point as it was resulting in a confused plugin loading order and did not work.

The way of enabling the plugin reverts to:

```
# conftest.py
pytest_plugins = ("coincidence", )
```

0.2.0

- Switched to `whey` as the build backend.
- Added support for PyPy 3.7
- ~~Added an entry point for `pytest` to avoid the need to enable the plugin in `confTest`.~~ (reverted in 0.2.3)

Additions

Classs

- `coincidence.regressions.AdvancedFileRegressionFixture`

Fixtures

- `coincidence.regressions.advanced_file_regression`

Functions

- `coincidence.selectors.not_linux()`
- `coincidence.selectors.only_linux()`

0.1.2

- `coincidence.regressions.AdvancedDataRegressionFixture.check()` – Add support for `_pytest.capture.CaptureResult`.

0.1.1

- `coincidence.regressions.AdvancedDataRegressionFixture` – Add a fake version when PyYAML cannot be imported.

0.1.0

Initial release.

Python Module Index

C

- `coincidence`, [3](#)
- `coincidence.fixtures`, [5](#)
- `coincidence.params`, [7](#)
- `coincidence.regressions`, [11](#)
- `coincidence.selectors`, [15](#)
- `coincidence.utils`, [19](#)

Symbols

`__non_callable_proto_members__`
(*SupportsAsDict* attribute), 13
`_asdict()` (*SupportsAsDict* method), 13

A

`AdvancedDataRegressionFixture` (class in *coincidence.regressions*), 11
`AdvancedFileRegressionFixture` (class in *coincidence.regressions*), 12

C

`check()` (*AdvancedDataRegressionFixture* method), 12
`check()` (*AdvancedFileRegressionFixture* method), 12
`check_bytes()` (*AdvancedFileRegressionFixture* method), 12
`check_file()` (*AdvancedFileRegressionFixture* method), 12
`check_file_output()` (in module *coincidence.regressions*), 14
`check_file_regression()` (in module *coincidence.regressions*), 13
coincidence
 module, 3
coincidence.fixtures
 module, 5
coincidence.params
 module, 7
coincidence.regressions
 module, 11
coincidence.selectors
 module, 15
coincidence.utils
 module, 19
`count()` (in module *coincidence.params*), 7

G

`generate_falsy_values()` (in module *coincidence.utils*), 19
`generate_truthy_values()` (in module *coincidence.utils*), 19

I

`is_docker()` (in module *coincidence.utils*), 19

M

`max_version()` (in module *coincidence.selectors*), 16
`min_version()` (in module *coincidence.selectors*), 15
module
 coincidence, 3
 coincidence.fixtures, 5
 coincidence.params, 7
 coincidence.regressions, 11
 coincidence.selectors, 15
 coincidence.utils, 19

N

`not_docker()` (in module *coincidence.selectors*), 17
`not_linux()` (in module *coincidence.selectors*), 17
`not_macos()` (in module *coincidence.selectors*), 17
`not_pypy()` (in module *coincidence.selectors*), 17
`not_windows()` (in module *coincidence.selectors*), 16

O

`only_docker()` (in module *coincidence.selectors*), 18
`only_linux()` (in module *coincidence.selectors*), 18
`only_macos()` (in module *coincidence.selectors*), 17
`only_pypy()` (in module *coincidence.selectors*), 17
`only_version()` (in module *coincidence.selectors*), 16
`only_windows()` (in module *coincidence.selectors*), 16

P

`param()` (in module *coincidence.params*), 8
`parametrized_versions()` (in module *coincidence.params*), 9
PEP_563 (in module *coincidence*), 3
`platform_boolean_factory()` (in module *coincidence.selectors*), 18
`pytest_report_header()` (in module *coincidence*), 3
Python Enhancement Proposals
 PEP 563, 3, 21

S

SupportsAsDict (protocol in *coincidence.regressions*), 13

T

`testing_boolean_values()` (*in module*
coincidence.params), [7](#)

W

`whitespace_perms()` (*in module*
coincidence.params), [7](#)

`with_fixed_datetime()` (*in module*
coincidence.utils), [19](#)