Averager

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Contents

Averager is a simple way to calculate averages of values.

```
>>> average([1, 2, 3])
2

>>> weighted_average([(1, 2), (2, 3)])
1.6
```

CHAPTER 1

Installation

Averager is available on PyPI:

```
$ python -m pip install averager
```

Averager officially supports Python 2.7 & 3.5+.

CHAPTER 2

API Reference

Simple utilities for calculating averages

averager.**average**(**values*)
Calculates an unweighted average

Parameters **values** – The values to find the average of

Returns The average of the inputs

Example

```
>>> average(1, 2, 3)
2
```

averager.**median**(**values*)
Calculates the median, or middle number

Parameters **values** – The values to find the median of

Returns The median of the inputs

Examples

```
>>> median(1, 2, 3)
2
```

```
>>> median(1, 2, 3, 4)
2.5
```

averager.**mode**(**values*)
Calculates the mode, or most common value

Parameters **values** – The values to find the mode of

Returns The mode(s) of the inputs (returned as a set if more than one)

Examples

```
>>> mode(1, 2, 2, 3)
2
```

```
>>> mode(1, 1, 2, 2)
{1, 2}
```

averager.**weighted_average**(**values*)

Calculates an weighted average

Parameters **values** – The values to find the average as an iterable of `(value, weight)` pairs

Returns The weighted average of the inputs

Example

```
>>> weighted_average((1, 2), (2, 3))
1.6
```

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