wr Documentation

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CONTENTS

wr is a weighted random implementation in Python.

`wr.choice` can be fed with a mapping (such as dictionaries) containing a returnable (what to return) and a integer representing their respective weight. The key can be anything hashable but the weight must be a integer.

Optionally you may feed `wr.choice` with a sequence of pairs.

CHAPTER

ONE

FUNCTIONS

wr.**choice**(*data*)

The main implementation of weighted random choice. (based on inplace algorithm)

Args: data (Mapping or sequence of pairs) in the form of: (returnable, weight)

Returns: For a mapping: A key of the passed in mapping. For a sequence of pairs: [0] (the first position) of a pair.

Usecase:

```
>>> print wr.choice({"hello": 80, "world": 20})
hello
```

CHAPTER

TWO

EXAMPLE

```
>>> import wr

>>> data = {'cat': 60, 'dog': 30, 'bird': 10}
>>> animal = wr.choice(data)
>>> print animal
cat # well, the cat had a good 60% shot at it.
```

CHAPTER

THREE

STRUCTURES

```
{something_to_return: weight, something_else_to_return: weight}
# Or as a sequence:
[(something_to_return, weight), (something_else_to_return, weight)]
```

CHAPTER

FOUR

INSTALLATION

Install wr with `pip install wr` or just download wr.py and place it in your project directory.

CHAPTER

FIVE

LICENSE

BSD

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