# wr Documentation

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*wr is a weighted random implementation in Python.*

`wr.choice` can be fed both mappings (such as dictionaries) and sequences of pairs containing what to return and a integer representing their respective weight. It returns a the key of in case of mappings based on the weights defined in the key's corresponding value.

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): (returnable, weight)

**Returns:** For Mappings: A key For sequences of pairs: [0] 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

GNU Lesser General Public License

# PYTHON MODULE INDEX