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# **wr Documentation**

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# CONTENTS



*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.



# 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
```





## 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.
```



# STRUCTURES

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



# INSTALLATION

Install wr with `pip install wr` or just [download wr.py](#) and place it in your project directory.



# LICENSE

GNU Lesser General Public License





# PYTHON MODULE INDEX

## W

`wr` (*Any*), ??