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## numpy.random.rand

[numpy.random.](#) **rand** (*d0, d1, ..., dn*)

Random values in a given shape.

Create an array of the given shape and populate it with random samples from a uniform distribution over [\[0, 1\)](#).

**Parameters:** *d0, d1, ..., dn : int, optional*

The dimensions of the returned array, should all be positive. If no argument is given a single Python float is returned.

**Returns:** *out : ndarray, shape (d0, d1, ..., dn)*

Random values.

### See also:

[random](#) ([numpy.random.random.html#numpy.random.random](#))

### Notes

This is a convenience function. If you want an interface that takes a shape-tuple as the first argument, refer to `np.random.random_sample`.

### Examples

```
>>> np.random.rand(3,2)
array([[ 0.14022471,  0.96360618], #random
       [ 0.37601032,  0.25528411], #random
       [ 0.49313049,  0.94909878]]) #random
```

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