Numpy Cheat Sheet

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Cheatography

by narand via cheatography.com/55079/cs/14658/

| Numbers | | | | | |
|--|------------------|---|---|------------------------------------|--|
| zeros (<i>tuple</i>) Gene | | nerates an array of zeros, the dimensions are given by <i>tuple</i> . | | | |
| ones (<i>tuple</i>) Generates an | | enerates an array filled with 1, the | array filled with 1, the dimensions are given by <i>tuple</i> . | | |
| | | | | | |
| np.random.* | | | | | |
| random(<i>tu</i> | uple) Uniform | <i>Uniformly samples numbers from</i> [0, 1] into an array of size <i>tuple</i> . | | | |
| random(*i | tuple) Samples | Samples values from a Gaussian distribution with mean 0 and variance 1 into an array of size tuple. | | | |
| Note: Each dimension is a separate argument. | | | | | |
| | | | | | |
| Instance methods of np.array | | | | | |
| mean() | | | Mean | | |
| var() | | | Variance | | |
| | | | | | |
| Matrices | | | | | |
| np.diag(<i>list</i>) Gene | | Generates a matrix with the di | Generates a matrix with the diagonal <i>list</i> and zeros elsewhere. | | |
| np.diag(<i>matrix</i>) Extracts | | Extracts the diagonal of the give | the diagonal of the given matrix or two-dimensional array. | | |
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