NumPy v1.26.0 manual
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numpy.random.mtrand.RandomState.random_sample(size=None)
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numpy.random.mtrand.RandomState.ranf(size=None)
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numpy.random.mtrand.RandomState.choice(a, size=None, replace=True, p=None)
numpy.random.mtrand.RandomState.bytes(length)
numpy.random.mtrand.RandomState.shuffle(x)
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numpy.random.mtrand.RandomState.beta(a, b, size=None)
numpy.random.mtrand.RandomState.binomial(n, p, size=None)
numpy.random.mtrand.RandomState.chisquare(df, size=None)
numpy.random.mtrand.RandomState.dirichlet(alpha, size=None)
numpy.random.mtrand.RandomState.exponential(scale=1.0, size=None)
numpy.random.mtrand.RandomState.f(dfnum, dfden, size=None)
numpy.random.mtrand.RandomState.gamma(shape, scale=1.0, size=None)
numpy.random.mtrand.RandomState.geometric(p, size=None)
numpy.random.mtrand.RandomState.gumbel(loc=0.0, scale=1.0, size=None)
numpy.random.mtrand.RandomState.hypergeometric(ngood, nbad, nsamp, size=None)
numpy.random.mtrand.RandomState.laplace(loc=0.0, scale=1.0, size=None)
numpy.random.mtrand.RandomState.logistic(loc=0.0, scale=1.0, size=None)
numpy.random.mtrand.RandomState.lognormal(mean=0.0, sigma=1.0, size=None)
numpy.random.mtrand.RandomState.logseries(p, size=None)
numpy.random.mtrand.RandomState.multinomial(n, pvals, size=None)
numpy.random.mtrand.RandomState.multivariate_normal(mean, cov, size=None, check_valid='warn', tol=1e-8)
numpy.random.mtrand.RandomState.negative_binomial(n, p, size=None)
numpy.random.mtrand.RandomState.noncentral_chisquare(df, nonc, size=None)
numpy.random.mtrand.RandomState.noncentral_f(dfnum, dfden, nonc, size=None)
numpy.random.mtrand.RandomState.normal(loc=0.0, scale=1.0, size=None)
numpy.random.mtrand.RandomState.pareto(a, size=None)
numpy.random.mtrand.RandomState.poisson(lam=1.0, size=None)
numpy.random.mtrand.RandomState.power(a, size=None)
numpy.random.mtrand.RandomState.rayleigh(scale=1.0, size=None)
numpy.random.mtrand.RandomState.standard_cauchy(size=None)
numpy.random.mtrand.RandomState.standard_exponential(size=None)
numpy.random.mtrand.RandomState.standard_gamma(shape, size=None)
numpy.random.mtrand.RandomState.standard_normal(size=None)
numpy.random.mtrand.RandomState.standard_t(df, size=None)
numpy.random.mtrand.RandomState.triangular(left, mode, right, size=None)
numpy.random.mtrand.RandomState.uniform(low=0.0, high=1.0, size=None)
numpy.random.mtrand.RandomState.vonmises(mu, kappa, size=None)
numpy.random.mtrand.RandomState.wald(mean, scale, size=None)
numpy.random.mtrand.RandomState.weibull(a, size=None)
numpy.random.mtrand.RandomState.zipf(a, size=None)
numpy.random.Random
numpy.random.seed(seed=None)
numpy.random.get_state(legacy=False)
numpy.random.set_state(state)
numpy.random.rand(d0, d1, ..., dn)
numpy.random.randn(d0, d1, ..., dn)
numpy.random.randint(low, high=None, size=None, dtype=bool)
numpy.random.random_integers(low, high=None, size=None)
numpy.random.random_sample(size=None)
numpy.random.random(size=None)
numpy.random.ranf(size=None)
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numpy.random.gamma(shape, scale=1.0, size=None)
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numpy.random.gumbel(loc=0.0, scale=1.0, size=None)
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numpy.random.logistic(loc=0.0, scale=1.0, size=None)
numpy.random.lognormal(mean=0.0, sigma=1.0, size=None)
numpy.random.logseries(p, size=None)
numpy.random.multinomial(n, pvals, size=None)
numpy.random.multivariate_normal(mean, cov, size=None, check_valid='warn', tol=1e-8)
numpy.random.negative_binomial(n, p, size=None)
numpy.random.noncentral_chisquare(df, nonc, size=None)
numpy.random.noncentral_f(dfnum, dfden, nonc, size=None)
numpy.random.normal(loc=0.0, scale=1.0, size=None)
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numpy.random.standard_cauchy(size=None)
numpy.random.standard_exponential(size=None)
numpy.random.standard_gamma(shape, size=None)
numpy.random.standard_normal(size=None)
numpy.random.standard_t(df, size=None)
numpy.random.triangular(left, mode, right, size=None)
numpy.random.uniform(low=0.0, high=1.0, size=None)
numpy.random.vonmises(mu, kappa, size=None)
numpy.random.wald(mean, scale, size=None)
numpy.random.weibull(a, size=None)
numpy.random.zipf(a, size=None)
numpy.random.RandomSeed(seed=None)
numpy.random.getstate()
numpy.random.setstate(state)
numpy.random.getrandbits(k)
numpy.random.randbytes(n)
numpy.random.randrange(stop, start=0, step=1)
numpy.random.randint(a, b)
numpy.random.choice(seq)
numpy.random.shuffle(x, random=None)
numpy.random.sample(population, k, counts=None)
numpy.random.random()
numpy.random.uniform(a, b)
numpy.random.triangular(low, high, mode)
numpy.random.betavariate(alpha, beta)
numpy.random.expovariate(lambda)
numpy.random.gammavariate(alpha, beta)
numpy.random.gauss(mu, sigma)
numpy.random.lognormvariate(mu, sigma)
numpy.random.normalvariate(mu, sigma)
numpy.random.vonmisesvariate(mu, kappa)
numpy.random.paretovariate(alpha)
numpy.random.weibullvariate(alpha, beta)
numpy.random.SystemRandom([seed])
numpy.random.SystemRandom.getrandbits(k)
numpy.random.SystemRandom.randbytes(n)
numpy.random.SystemRandom.randrange(stop, start=0, step=1)
numpy.random.SystemRandom.randint(a, b)
numpy.random.SystemRandom.choice(seq)
numpy.random.SystemRandom.shuffle(x, random=None)
numpy.random.SystemRandom.sample(population, k, counts=None)
numpy.random.SystemRandom.random()
numpy.random.SystemRandom.uniform(a, b)
numpy.random.SystemRandom.triangular(low, high, mode)
numpy.random.SystemRandom.betavariate(alpha, beta)
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numpy.random.SystemRandom.normalvariate(mu, sigma)
numpy.random.SystemRandom.vonmisesvariate(mu, kappa)
numpy.random.SystemRandom.paretovariate(alpha)
numpy.random.SystemRandom.weibullvariate(alpha, beta)
numpy.random.Numpy.random.Random
numpy.random.Numpy.random.Random.getrandbits(k)
numpy.random.Numpy.random.Random.randbytes(n)
numpy.random.Numpy.random.Random.randrange(stop, start=0, step=1)
numpy.random.Numpy.random.Random.randint(a, b)
numpy.random.Numpy.random.Random.choice(seq)
numpy.random.Numpy.random.Random.shuffle(x, random=None)
numpy.random.Numpy.random.Random.sample(population, k, counts=None)
numpy.random.Numpy.random.Random.random()
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numpy.random.Numpy.random.Random.betavariate(alpha, beta)
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numpy.random.Numpy.random.Random.lognormvariate(mu, sigma)
numpy.random.Numpy.random.Random.normalvariate(mu, sigma)
numpy.random.Numpy.random.Random.vonmisesvariate(mu, kappa)
numpy.random.Numpy.random.Random.paretovariate(alpha)
numpy.random.Numpy.random.Random.weibullvariate(alpha, beta)
numpy.random.Numpy.random.Random.getstate()
numpy.random.Numpy.random.Random.setstate(state)