

# Simulation Report



Date Created (YYYY-MM-DD): 2010-04-27

Equation:  $x+3*\sin(y)$

## Variables

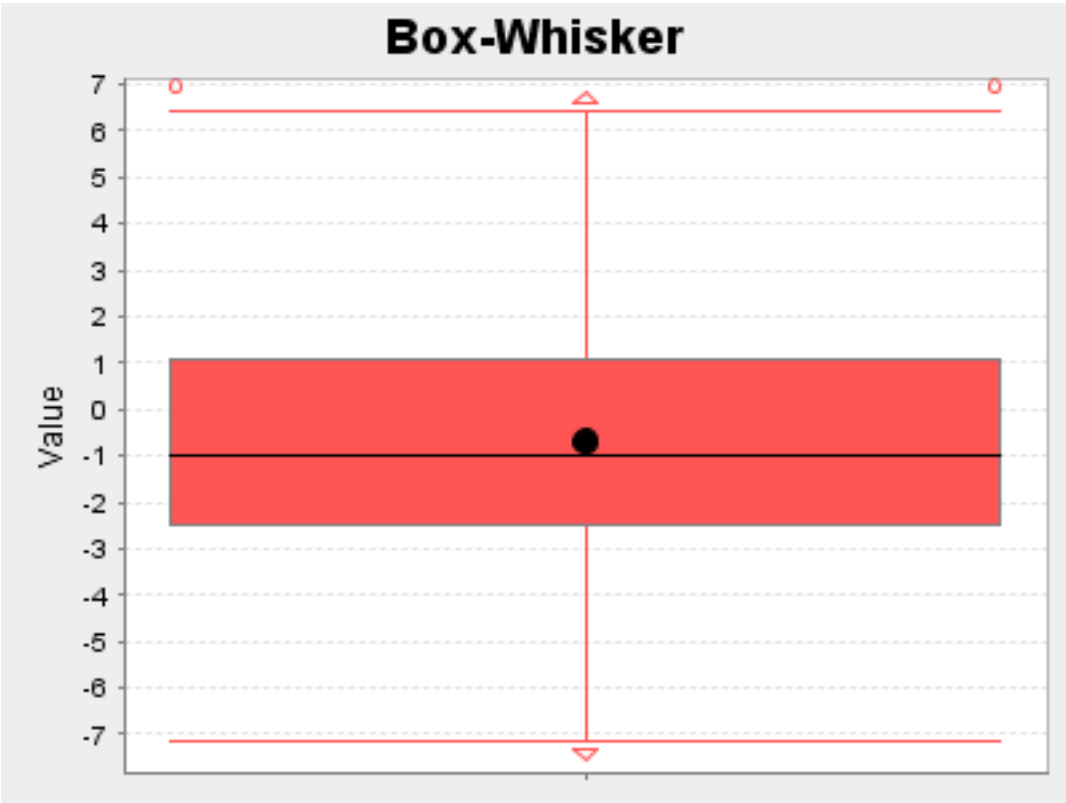
x (Student's T: DOF=3.0)
y (Pareto: alpha=4.0, beta=5.0)

## Correlation Coefficients

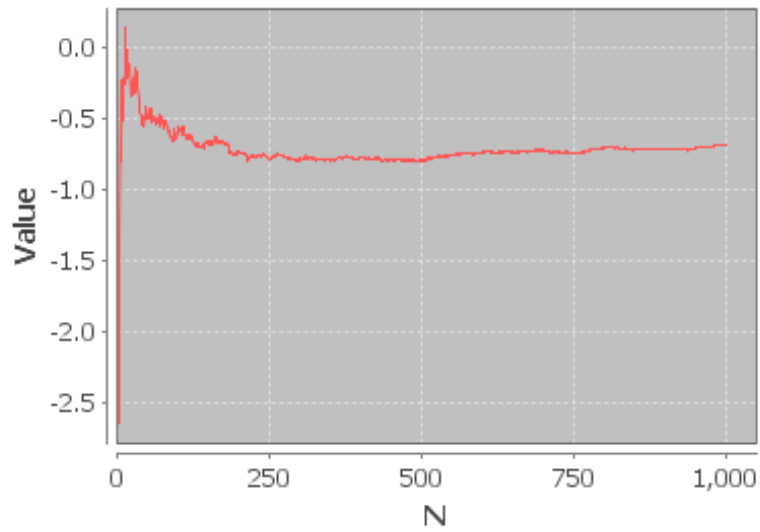
	x	y
x	1.0	0.0
y	0.0	1.0

## Statistics

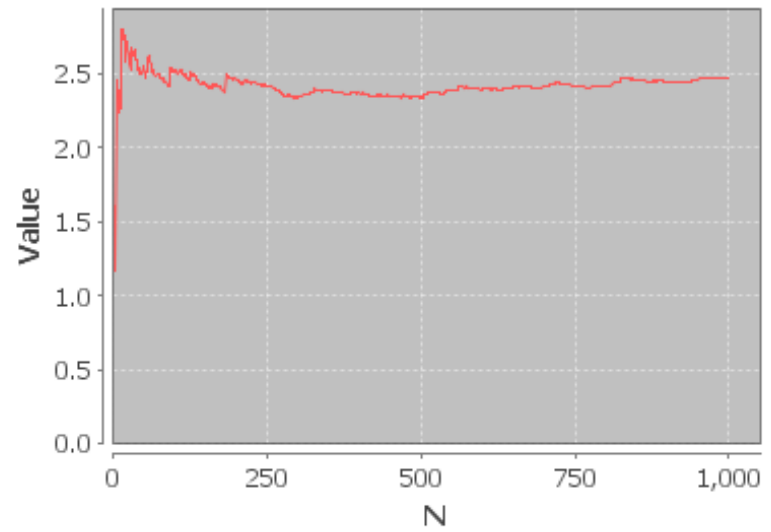
Simulation	Orthogonal Latin Hypercube
N:	1000
Mean:	-0.68364
Variance:	6.09197
Std. Dev.:	2.46819
Divisions by Zero:	0.000 %
Kurtosis:	0.55694
Skewness:	0.12903
Q1:	-2.48769
Median:	-1.01293
Q3:	1.09367



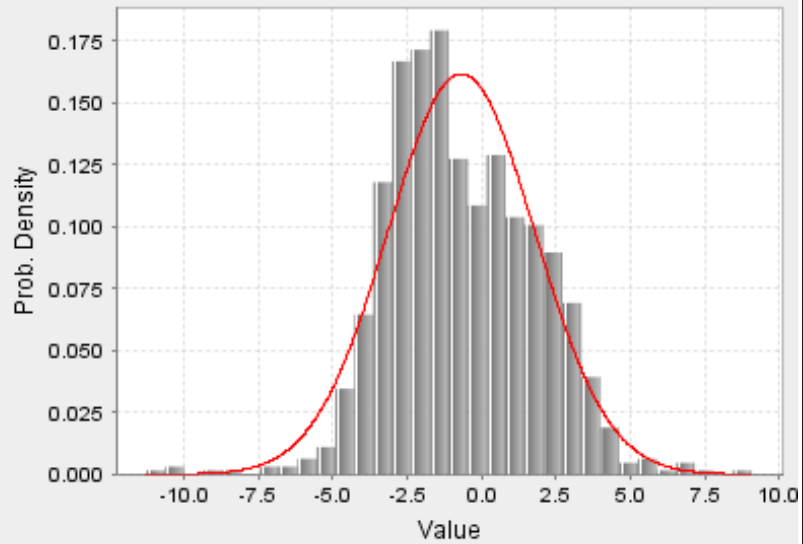
### Mean Convergence



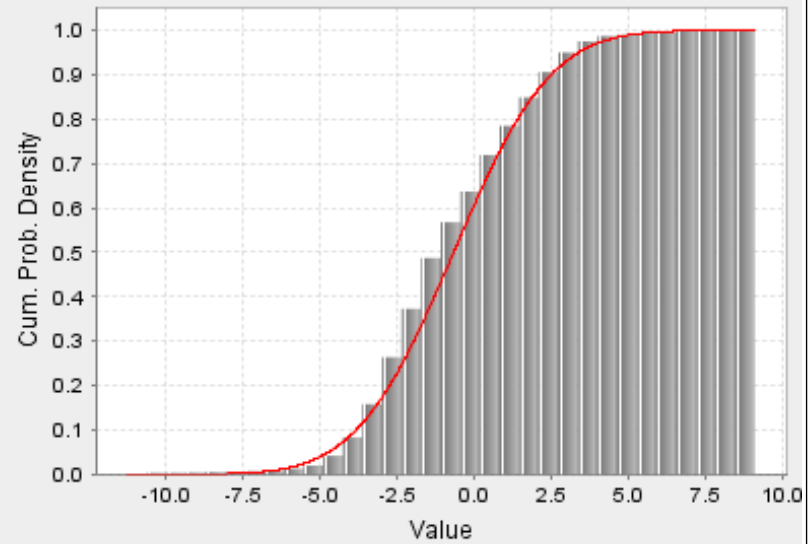
### Std. Dev. Convergence



### Normalized Histogram



### Cumulative Histogram



## Goodness of Fit Statistics

Distribution	Params	K-S+	K-S-	K-S	A-D	CVM	WG	WU
Normal	mu=-0.68364, sigma=2.46696	0.05743	0.03801	0.05743	4.62667	0.78529	1.58605	0.73241
Gumbel	beta=2.62332, delta=-1.89337	0.08311	0.06237	0.08311	14.13921	1.49849	2.59682	1.49751
Student's T	DOF=1.00000	0.25638	0.04744	0.25638	96.73667	17.57626	5.23577	9.32967
Uniform	min=-11.27643, max=9.07202	0.23666	0.30488	0.30488	165.43911	30.6259	8.13433	30.20279
Logistic	alpha=11.52146, lambda=0.00001	0.5	0.49996	0.5	386.28393	83.33073	15.81081	83.33073
Chi Square	DOF=1.00000	0.62	0.00441	0.62	13484.88119	85.24709	12.70948	37.68346
Log Normal	mu=-439.53341, sigma=344.31349	0.62	0.27651	0.62	13517.97777	87.00261	14.60078	61.94922
Discrete Uniform	min=-11.00000, max=9.00000	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Weibull	alpha=0.33458, delta=0.00000	0.62	0.0	0.62	NaN	NaN	NaN	NaN