

Obs	x
1	2.11130
2	2.44087
3	2.57987
4	2.11506
5	2.15438
6	2.34430
7	2.05044
8	2.50397
9	2.51118
10	3.23114
11	2.03064
12	2.21887
13	2.04716
14	2.07631
15	2.45445
16	2.13412
17	4.74508
18	2.32742
19	2.00639
20	2.02370
21	3.87162
22	2.44586
23	2.41475
24	2.12293
25	2.01093
26	2.80599
27	7.67028
28	2.11745
29	2.26947
30	4.21186

The UNIVARIATE Procedure
Variable: seed

Moments			
N	1000	Sum Weights	1000
Mean	1234	Sum Observations	1234000
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	1522756000	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	1234.000	Std Deviation	0
Median	1234.000	Variance	0
Mode	1234.000	Range	0
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > t	.
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1234

Quantiles (Definition 5)	
Level	Quantile
99%	1234
95%	1234
90%	1234
75% Q3	1234
50% Median	1234
25% Q1	1234
10%	1234
5%	1234
1%	1234
0% Min	1234

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1234	1000	1234	996
1234	999	1234	997
1234	998	1234	998
1234	997	1234	999
1234	996	1234	1000

The UNIVARIATE Procedure
Variable: a

Moments			
N	1000	Sum Weights	1000
Mean	3	Sum Observations	3000
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	9000	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	3.000000	Std Deviation	0
Median	3.000000	Variance	0
Mode	3.000000	Range	0
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > t	.
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	3
99%	3
95%	3
90%	3
75% Q3	3
50% Median	3
25% Q1	3
10%	3
5%	3
1%	3
0% Min	3

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
3	1000	3	996
3	999	3	997
3	998	3	998
3	997	3	999
3	996	3	1000

The UNIVARIATE Procedure
Variable: b

Moments			
N	1000	Sum Weights	1000
Mean	5	Sum Observations	5000
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	25000	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	5.000000	Std Deviation	0
Median	5.000000	Variance	0
Mode	5.000000	Range	0
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > t	.
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	5
75% Q3	5
50% Median	5
25% Q1	5
10%	5
5%	5
1%	5
0% Min	5

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
5	1000	5	996
5	999	5	997
5	998	5	998
5	997	5	999
5	996	5	1000

The UNIVARIATE Procedure
Variable: i

Moments			
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Moments			
N	1000	Sum Weights	1000
Mean	500.5	Sum Observations	500500
Std Deviation	288.819436	Variance	83416.6667
Skewness	0	Kurtosis	-1.2
Uncorrected SS	333833500	Corrected SS	83333250
Coeff Variation	57.706181	Std Error Mean	9.13327251

Basic Statistical Measures			
Location		Variability	
Mean	500.5000	Std Deviation	288.81944
Median	500.5000	Variance	83417
Mode	.	Range	999.00000
		Interquartile Range	500.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	54.79964	Pr > t	<.0001
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1000.0
99%	990.5
95%	950.5
90%	900.5
75% Q3	750.5
50% Median	500.5
25% Q1	250.5
10%	100.5
5%	50.5
1%	10.5
0% Min	1.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	1	996	996
2	2	997	997
3	3	998	998
4	4	999	999
5	5	1000	1000

The UNIVARIATE Procedure
Variable: x1

Moments			
N	1000	Sum Weights	1000
Mean	6.16833914	Sum Observations	6168.33914
Std Deviation	3.61101899	Variance	13.0394582
Skewness	1.01569802	Kurtosis	1.35089981
Uncorrected SS	51074.8264	Corrected SS	13026.4187
Coeff Variation	58.5411877	Std Error Mean	0.11419045

Basic Statistical Measures			
Location		Variability	
Mean	6.168339	Std Deviation	3.61102
Median	5.508691	Variance	13.03946
Mode	.	Range	21.98120

Basic Statistical Measures			
Location		Variability	
		Interquartile Range	4.77756

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	54.018	Pr > t	<.0001
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	22.166159
99%	17.469893
95%	12.800213
90%	10.946331
75% Q3	8.255410
50% Median	5.508691
25% Q1	3.477849
10%	2.155659
5%	1.466429
1%	0.740416
0% Min	0.184964

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.184964	208	19.9718	464
0.225450	350	20.4495	227
0.444392	978	21.3124	871
0.544470	509	22.0207	61
0.572548	523	22.1662	347

The UNIVARIATE Procedure
Variable: x2

Moments			
N	1000	Sum Weights	1000
Mean	9.85079316	Sum Observations	9850.79316
Std Deviation	4.36747699	Variance	19.0748552
Skewness	1.13974717	Kurtosis	2.73390921
Uncorrected SS	116093.906	Corrected SS	19055.7804
Coeff Variation	44.3362977	Std Error Mean	0.13811175

Basic Statistical Measures			
Location		Variability	
Mean	9.850793	Std Deviation	4.36748
Median	9.153070	Variance	19.07486
Mode	.	Range	36.75398
		Interquartile Range	5.27570

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	71.3248	Pr > t	<.0001
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	37.577316

Quantiles (Definition 5)	
Level	Quantile
99%	22.301039
95%	17.963916
90%	15.898915
75% Q3	12.128863
50% Median	9.153070
25% Q1	6.853164
10%	4.933753
5%	4.064074
1%	2.514930
0% Min	0.823336

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.823336	97	24.6759	566
1.994415	740	25.5028	580
2.098260	969	27.8956	334
2.126811	801	33.5082	31
2.232471	136	37.5773	924

The UNIVARIATE Procedure
Variable: y

Moments			
N	1000	Sum Weights	1000
Mean	0.3814241	Sum Observations	381.424098
Std Deviation	0.16169866	Variance	0.02614646
Skewness	0.1351936	Kurtosis	-0.5705311
Uncorrected SS	171.604651	Corrected SS	26.1203087
Coeff Variation	42.3934031	Std Error Mean	0.00511336

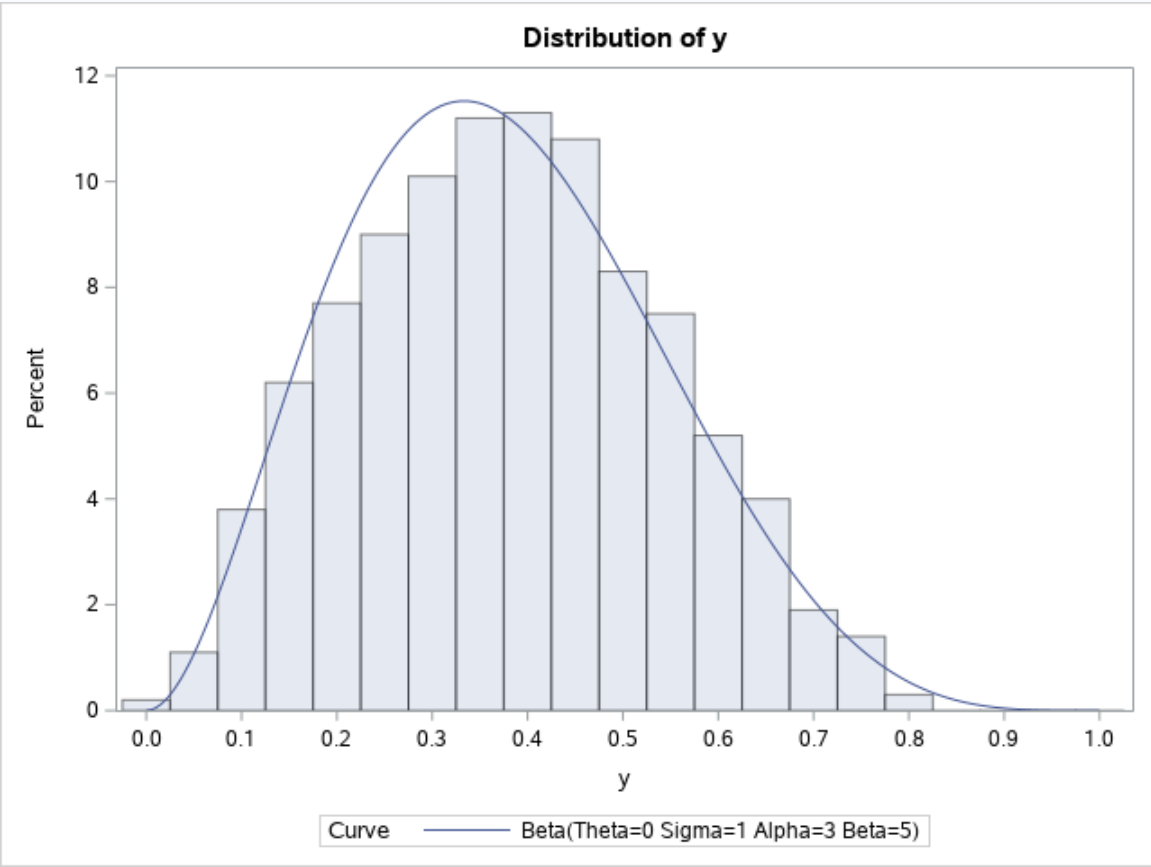
Basic Statistical Measures			
Location		Variability	
Mean	0.381424	Std Deviation	0.16170
Median	0.379277	Variance	0.02615
Mode	.	Range	0.80373
		Interquartile Range	0.22819

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	74.59363	Pr > t	<.0001
Sign	M	500	Pr >= M	<.0001
Signed Rank	S	250250	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.8213383
99%	0.7541578
95%	0.6555851
90%	0.5938717
75% Q3	0.4939839
50% Median	0.3792775
25% Q1	0.2657904
10%	0.1625897
5%	0.1196368
1%	0.0666038
0% Min	0.0176112

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.0176112	208	0.769766	464
0.0191938	350	0.771440	917
0.0306610	978	0.779746	754
0.0478596	523	0.803206	320
0.0531156	830	0.821338	801

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Fitted Beta Distribution for y

Parameters for Beta Distribution		
Parameter	Symbol	Estimate
Threshold	Theta	0
Scale	Sigma	1
Shape	Alpha	3
Shape	Beta	5
Mean		0.375
Std Dev		0.161374

Goodness-of-Fit Tests for Beta Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.04984321	Pr > D	0.015
Cramer-von Mises	W-Sq	0.45545392	Pr > W-Sq	0.052
Anderson-Darling	A-Sq	2.14500232	Pr > A-Sq	0.081

Quantiles for Beta Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.06660	0.07080
5.0	0.11964	0.12876
10.0	0.16259	0.16964

Quantiles for Beta Distribution		
Percent	Quantile	
	Observed	Estimated
25.0	0.26579	0.25307
50.0	0.37928	0.36412
75.0	0.49398	0.48610
90.0	0.59387	0.59618
95.0	0.65559	0.65874
99.0	0.75416	0.76368

Obs	mu	_FREQ_	rejrate
1	-1.0	1000	0.253
2	-0.5	1000	0.096
3	0.0	1000	0.061
4	0.5	1000	0.104
5	1.0	1000	0.277

Obs	mu	_FREQ_	rejrate
1	-1.0	1000	0.675
2	-0.5	1000	0.230
3	0.0	1000	0.046
4	0.5	1000	0.233
5	1.0	1000	0.671