

*** proc print の出力 ***

Obs	PName	CName	population	area	density	IPName	ICName
1	北海道	札幌市	5212462	83424	66	9	9
2	青森県	青森市	1230535	9646	128	9	9
3	岩手県	盛岡市	1212201	15275	79	9	9
4	宮城県	仙台市	2292690	7282	315	9	9
5	秋田県	秋田市	952069	11638	82	9	9
6	山形県	山形市	1064954	9323	114	9	9
7	福島県	福島市	1830114	13784	133	9	9
8	茨城県	水戸市	2854131	6097	468	9	9
9	栃木県	宇都宮市	1932091	6408	302	9	12
10	群馬県	前橋市	1926370	6362	303	9	9
11	埼玉県	さいたま市	7343453	3798	1934	9	15
12	千葉県	千葉市	6281394	5158	1218	9	9
13	東京都	新宿区	13971109	2194	6368	9	9
14	神奈川県	横浜市	9214151	2416	3813	12	9
15	新潟県	新潟市	2199746	12584	175	9	9
16	富山県	富山市	1034670	4248	244	9	9
17	石川県	金沢市	1130159	4186	270	9	9
18	福井県	福井市	762679	4191	182	9	9
19	山梨県	甲府市	806210	4465	181	9	9
20	長野県	長野市	2034145	13562	150	9	9
21	岐阜県	岐阜市	1974142	10621	186	9	9
22	静岡県	静岡市	3618972	7777	465	9	9
23	愛知県	名古屋市	7541123	5173	1458	9	12
24	三重県	津市	1767615	5774	306	9	6
25	滋賀県	大津市	1412415	4017	352	9	9
26	京都府	京都市	2568427	4612	557	9	9
27	大阪府	大阪市	8817372	1905	4628	9	9
28	兵庫県	神戸市	5438891	8401	647	9	9
29	奈良県	奈良市	1322970	3691	358	9	9
30	和歌山県	和歌山市	914055	4725	193	12	12
31	鳥取県	鳥取市	551402	3507	157	9	9
32	島根県	松江市	666941	6708	99	9	9
33	岡山県	岡山市	1882356	7114	265	9	9
34	広島県	広島市	2794862	8480	330	9	9
35	山口県	山口市	1341506	6113	219	9	9
36	徳島県	徳島市	721269	4147	174	9	9
37	香川県	高松市	948801	1877	506	9	9
38	愛媛県	松山市	1326487	5676	234	9	9
39	高知県	高知市	689785	7104	97	9	9
40	福岡県	福岡市	5106774	4987	1024	9	9

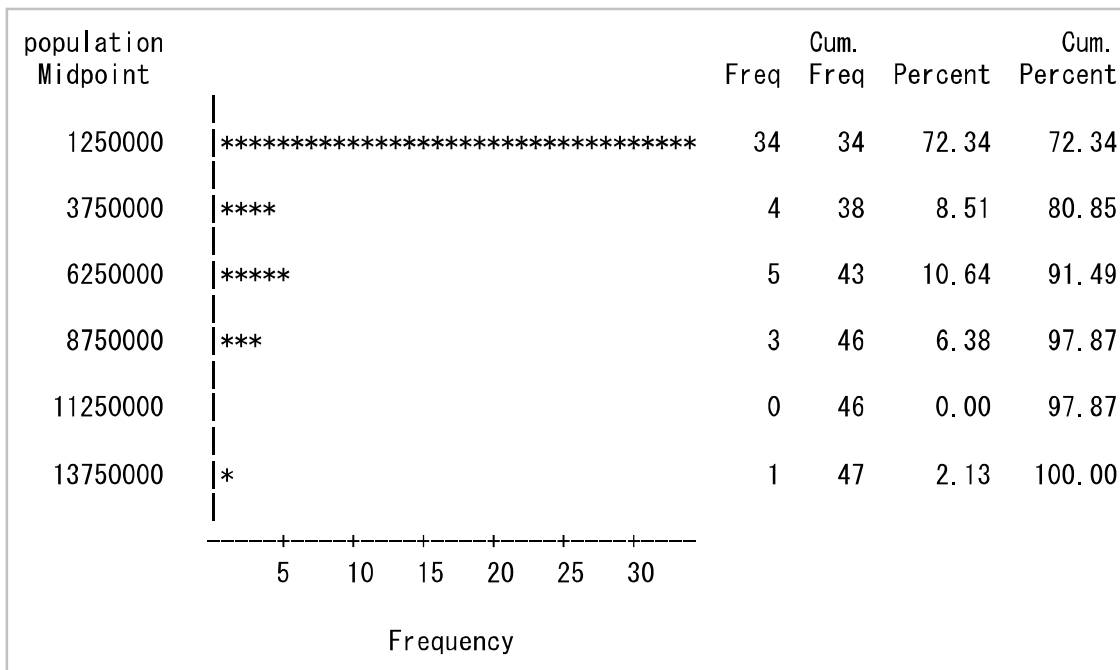
Obs	PName	CName	population	area	density	IPName	ICName
41	佐賀県	佐賀市	808821	2441	331	9	9
42	長崎県	長崎市	1310660	4131	317	9	9
43	熊本県	熊本市	1735901	7409	234	9	9
44	大分県	大分市	1124983	6341	177	9	9
45	宮崎県	宮崎市	1063759	7735	138	9	9
46	鹿児島県	鹿児島市	1587342	9187	173	12	12
47	沖縄県	那覇市	1458839	2283	639	9	9
48			.	.	.	1	1
49			.	.	.	1	1
50			.	.	.	1	1

*** proc means の出力 ***

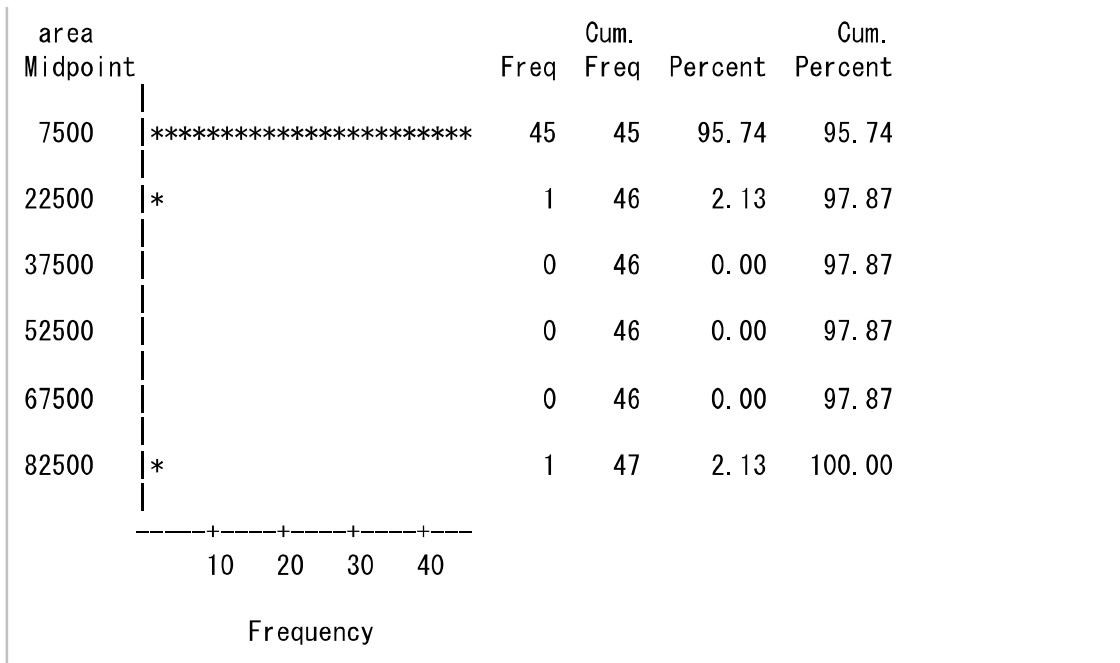
The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
population	47	2676208.57	2787248.60	551402.00	13971109.00
area	47	8042.06	11694.79	1877.00	83424.00
density	47	655.0851064	1218.36	66.0000000	6368.00
IPName	50	8.7000000	2.0922598	1.0000000	12.0000000
ICName	50	8.8200000	2.3533736	1.0000000	15.0000000

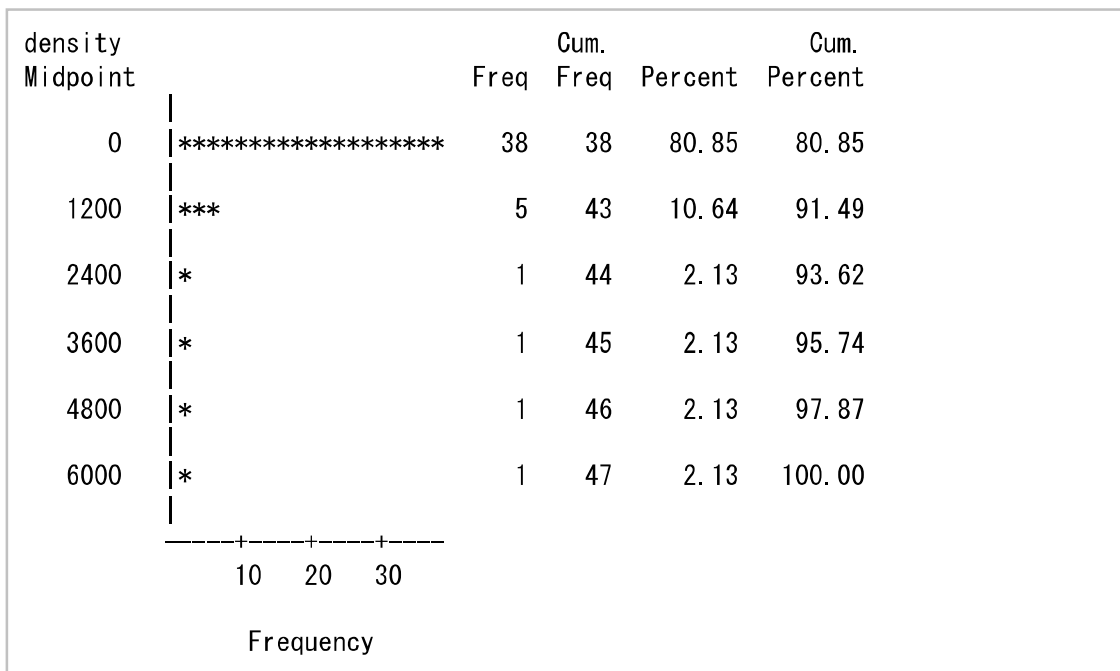
*** proc chart の出力 ***



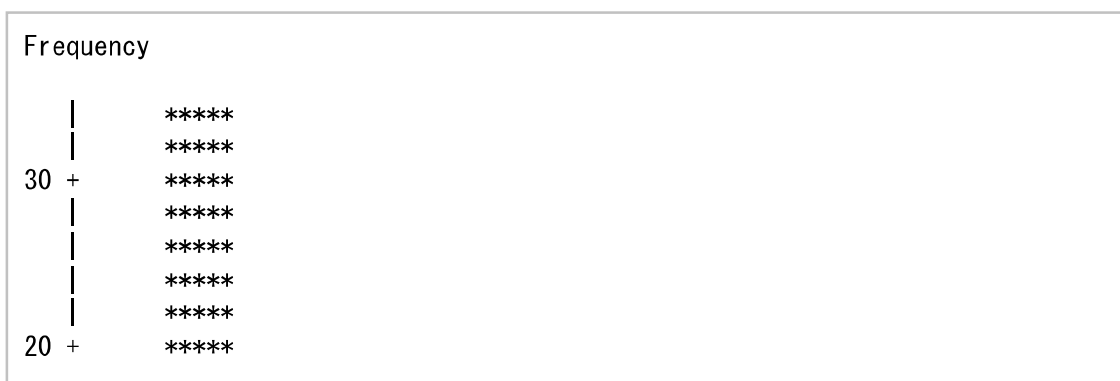
*** proc chart の出力 ***

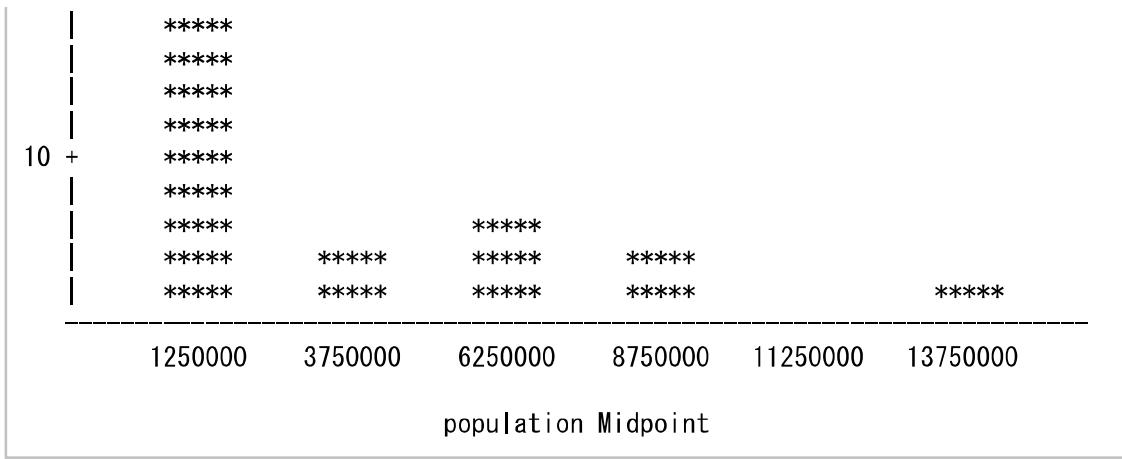


*** proc chart の出力 ***

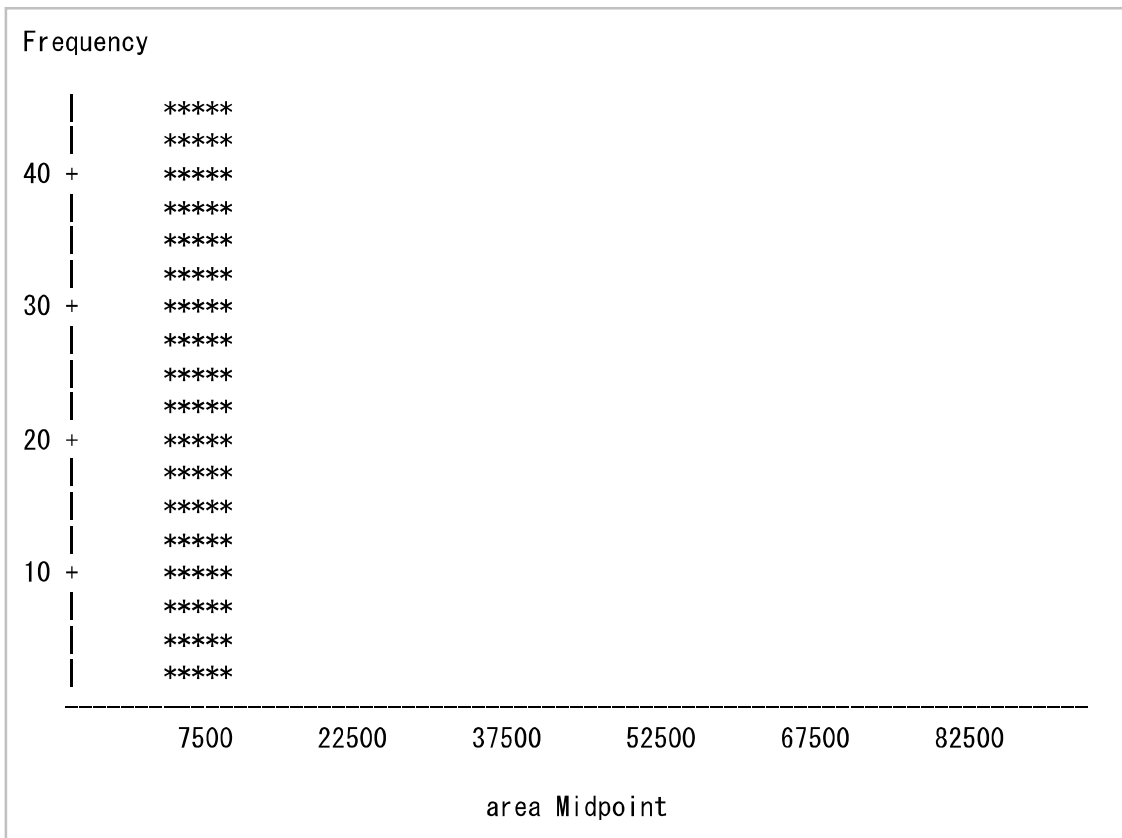


*** proc chart の出力 ***

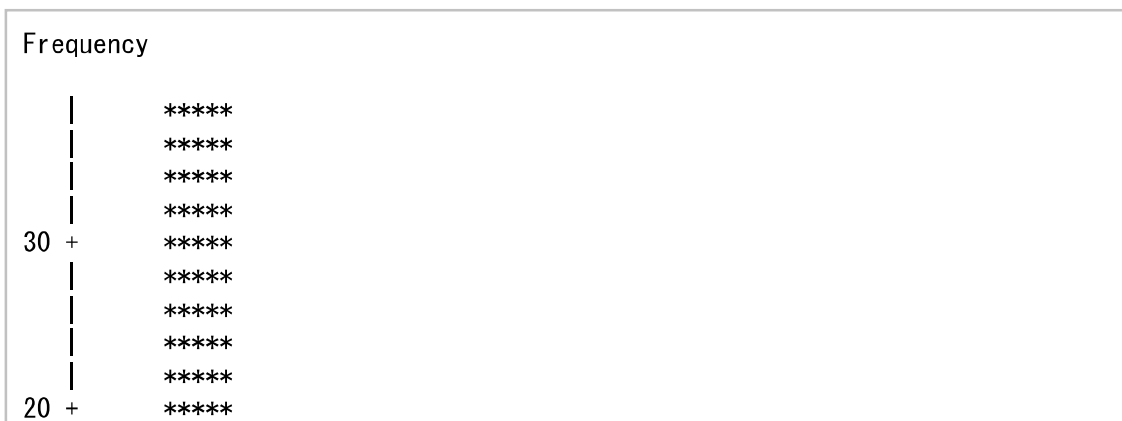


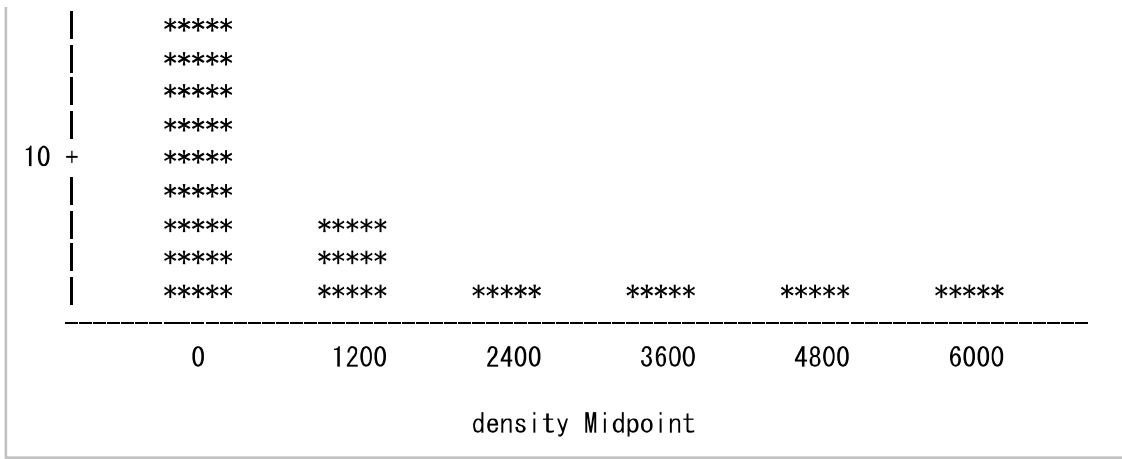


*** proc chart の出力 ***



*** proc chart の出力 ***

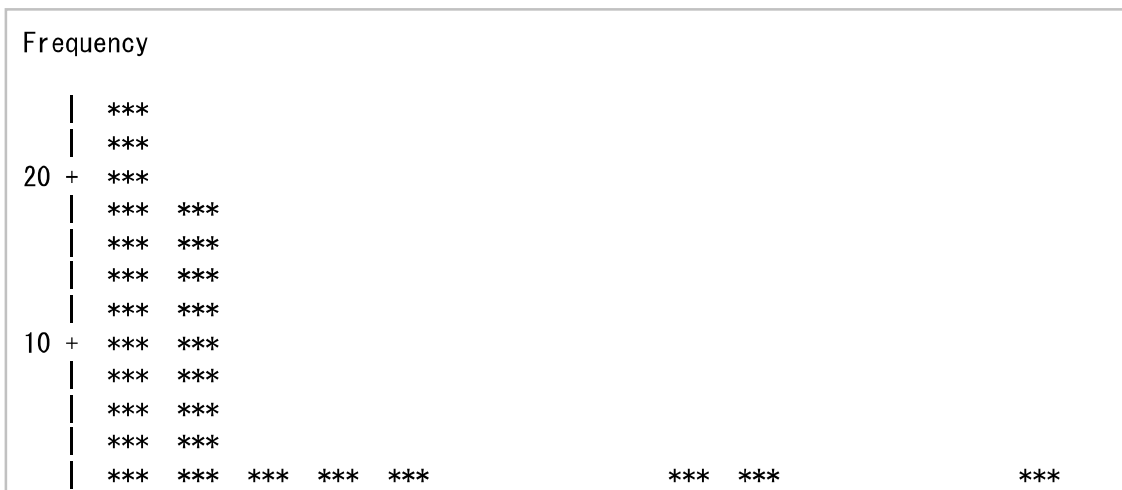


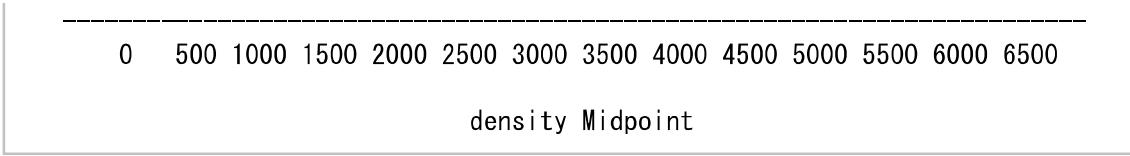


*** proc chart の出力 ***

density Midpoint	Freq	Cum. Freq	Percent	Cum. Percent
0	23	23	48.94	48.94
500	17	40	36.17	85.11
1000	2	42	4.26	89.36
1500	1	43	2.13	91.49
2000	1	44	2.13	93.62
2500	0	44	0.00	93.62
3000	0	44	0.00	93.62
3500	0	44	0.00	93.62
4000	1	45	2.13	95.74
4500	1	46	2.13	97.87
5000	0	46	0.00	97.87
5500	0	46	0.00	97.87
6000	0	46	0.00	97.87
6500	1	47	2.13	100.00

*** proc chart の出力 ***



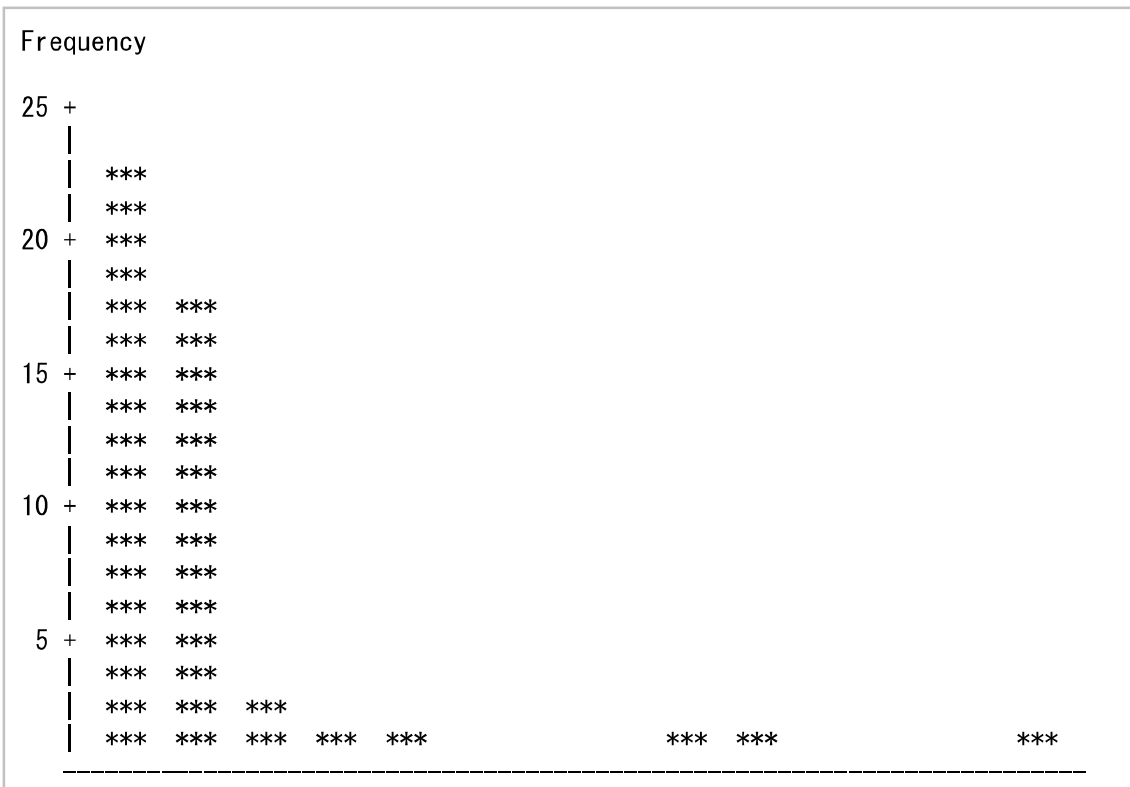


*** proc chart の出力 ***

density Midpoint		Cum. Freq	Cum. Percent
0	*****	23	48.94
500	*****	40	85.11
1000	**	42	89.36
1500	*	43	91.49
2000	*	44	93.62
2500		44	93.62
3000		44	93.62
3500		44	93.62
4000	*	45	95.74
4500	*	46	97.87
5000		46	97.87
5500		46	97.87
6000		46	97.87
6500	*	47	100.00

Frequency

*** proc chart の出力 ***



0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500

density Midpoint

*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure

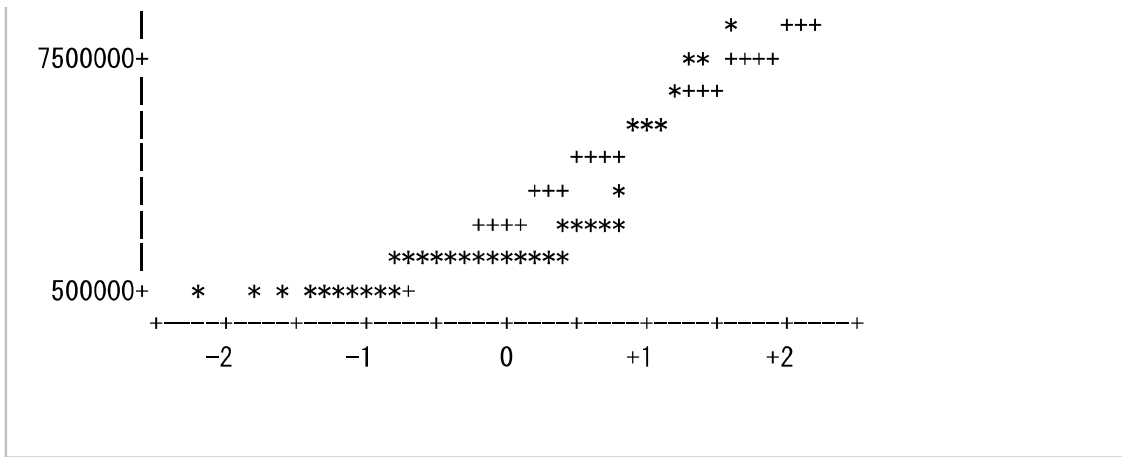
Variable: population

Moments			
N	47	Sum Weights	47
Mean	2676208.57	Sum Observations	125781803
Std Deviation	2787248.6	Variance	7.76875E12
Skewness	2.25842727	Kurtosis	5.43703845
Uncorrected SS	6.93981E14	Corrected SS	3.57363E14
Coeff Variation	104.149154	Std Error Mean	406561.993

Basic Statistical Measures			
Location		Variability	
Mean	2676209	Std Deviation	2787249
Median	1587342	Variance	7.76875E12
Mode	.	Range	13419707
		Interquartile Range	1731103

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	6.582535	Pr > t	<.0001
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	13971109
99%	13971109
95%	8817372
90%	7343453
75% Q3	2794862
50% Median	1587342
25% Q1	1063759
10%	762679
5%	689785
1%	551402
0% Min	551402



*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure
Variable: area

Moments			
N	47	Sum Weights	47
Mean	8042.06383	Sum Observations	377977
Std Deviation	11694.7852	Variance	136768000
Skewness	6.0640579	Kurtosis	39.5726979
Uncorrected SS	9331043157	Corrected SS	6291327997
Coeff Variation	145.420198	Std Error Mean	1705.85974

Basic Statistical Measures			
Location		Variability	
Mean	8042.064	Std Deviation	11695
Median	6097.000	Variance	136768000
Mode	.	Range	81547
		Interquartile Range	4254

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	4.714376	Pr > t	<.0001
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	83424
99%	83424
95%	13784
90%	12584
75% Q3	8401

Quantiles (Definition 5)	
Level	Quantile
50% Median	6097
25% Q1	4147
10%	2416
5%	2194
1%	1877
0% Min	1877

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1877	37	12584	15
1905	27	13562	20
2194	13	13784	7
2283	47	15275	3
2416	14	83424	1

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	6.00	100.00

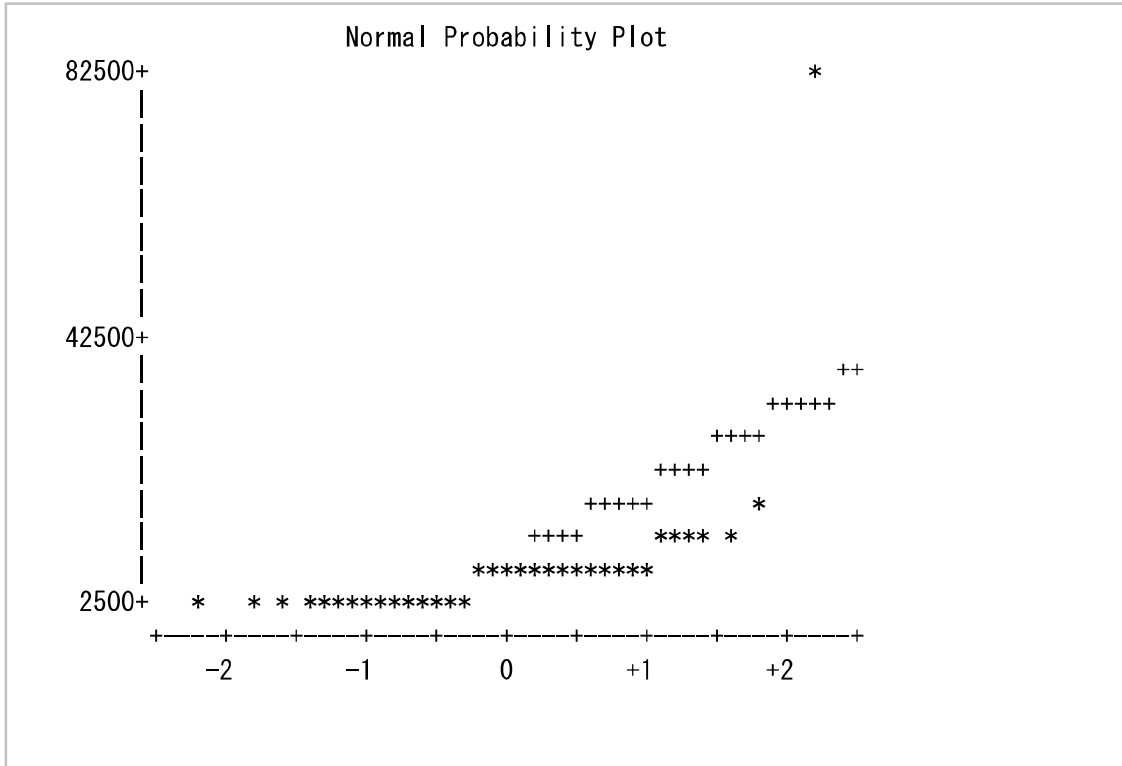
*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure
Variable: area

Stem Leaf	#	Boxplot
8 3	1	*
7		
7		
6		
6		
5		
5		
4		
4		
3		
3		
2		
2		
1 5	1	0
1 012344	6	
0 5555566666666677777888899	23	+---+---+
0 2222244444444444	16	+-----+
-----+---+---+---+---+-----		
Multiply Stem.Leaf by 10**+4		

*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure
Variable: area



*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure
Variable: density

Moments			
N	47	Sum Weights	47
Mean	655.085106	Sum Observations	30789
Std Deviation	1218.36271	Variance	1484407.69
Skewness	3.51652538	Kurtosis	12.7412196
Uncorrected SS	88452169	Corrected SS	68282753.7
Coeff Variation	185.985408	Std Error Mean	177.716466

Basic Statistical Measures			
Location		Variability	
Mean	655.0851	Std Deviation	1218
Median	265.0000	Variance	1484408
Mode	234.0000	Range	6302
		Interquartile Range	295.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	3.686125	Pr > t	0.0006
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6368
99%	6368
95%	3813
90%	1458
75% Q3	468
50% Median	265
25% Q1	173
10%	99
5%	82
1%	66
0% Min	66

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
66	1	1458	23
79	3	1934	11
82	5	3813	14
97	39	4628	27
99	32	6368	13

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	6.00	100.00

*** proc univariate の出力(その1) ***

The UNIVARIATE Procedure
Variable: density

Stem Leaf	#	Boxplot
6 4	1	*
5		
5		
4 6	1	*
4		

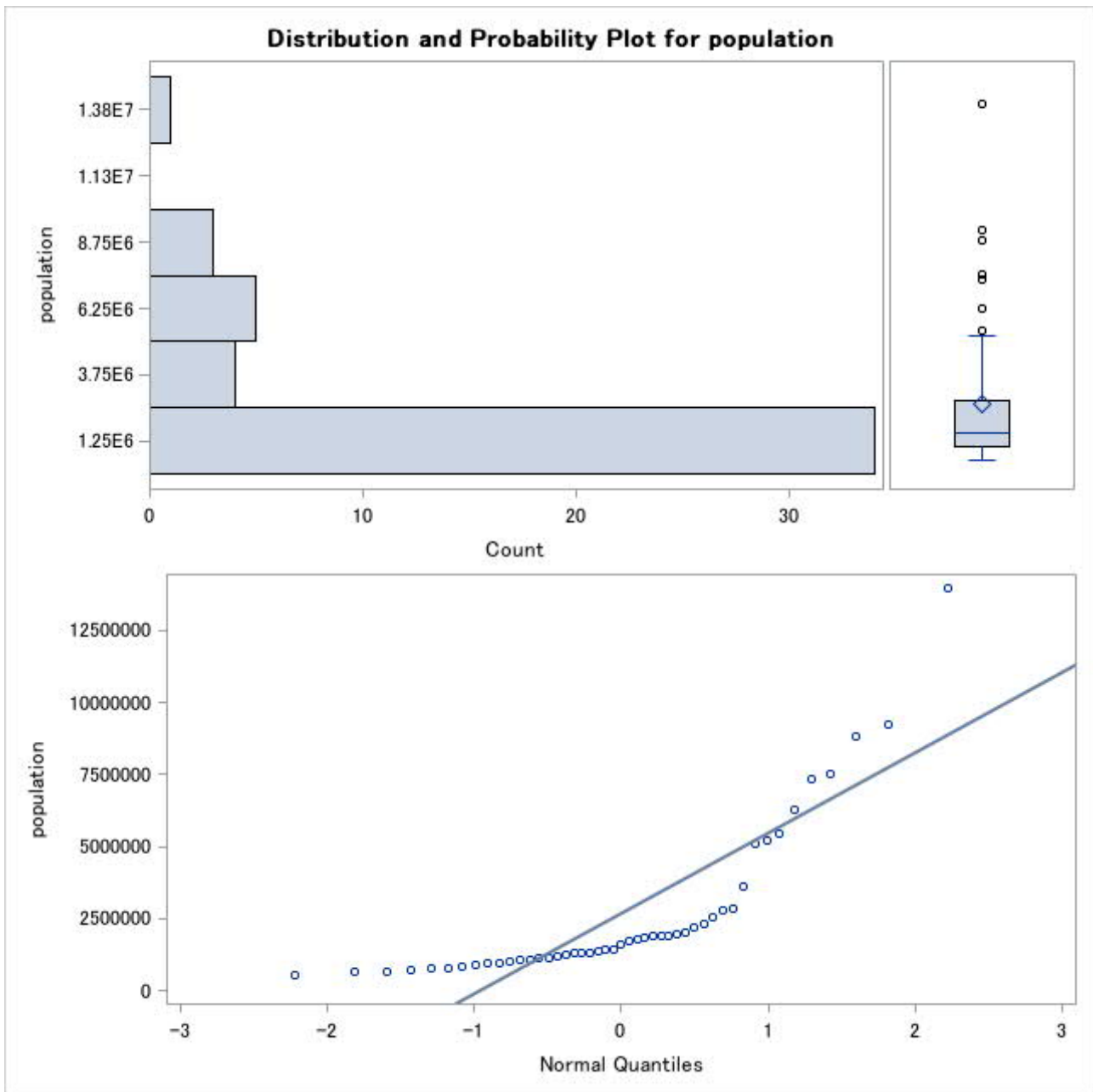
Basic Statistical Measures			
Location		Variability	
Median	1587342	Variance	7.76875E12
Mode	.	Range	13419707
		Interquartile Range	1731103

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	6.582535	Pr > t	<.0001
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	13971109
99%	13971109
95%	8817372
90%	7343453
75% Q3	2794862
50% Median	1587342
25% Q1	1063759
10%	762679
5%	689785
1%	551402
0% Min	551402

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
551402	31	7343453	11
666941	32	7541123	23
689785	39	8817372	27
721269	36	9214151	14
762679	18	13971109	13

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	6.00	100.00



*** proc univariate の出力(その2) ***

The UNIVARIATE Procedure
Variable: area

Moments			
N	47	Sum Weights	47
Mean	8042.06383	Sum Observations	377977
Std Deviation	11694.7852	Variance	136768000
Skewness	6.0640579	Kurtosis	39.5726979
Uncorrected SS	9331043157	Corrected SS	6291327997
Coeff Variation	145.420198	Std Error Mean	1705.85974

Basic Statistical Measures			
Location		Variability	
Mean	8042.064	Std Deviation	11695

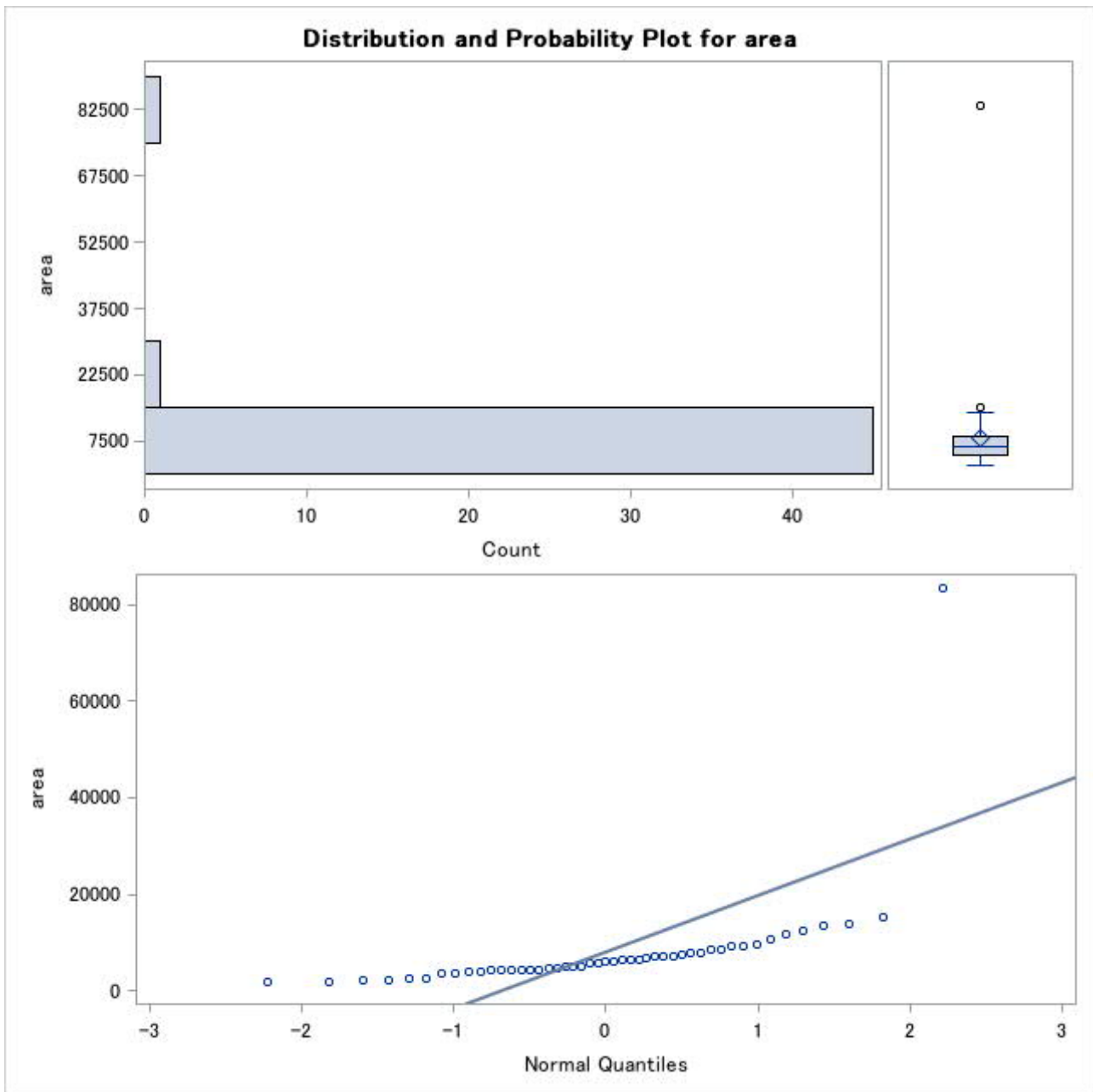
Basic Statistical Measures			
Location		Variability	
Median	6097.000	Variance	136768000
Mode	.	Range	81547
		Interquartile Range	4254

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	4.714376	Pr > t	<.0001
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	83424
99%	83424
95%	13784
90%	12584
75% Q3	8401
50% Median	6097
25% Q1	4147
10%	2416
5%	2194
1%	1877
0% Min	1877

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1877	37	12584	15
1905	27	13562	20
2194	13	13784	7
2283	47	15275	3
2416	14	83424	1

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	6.00	100.00



*** proc univariate の出力(その2) ***

The UNIVARIATE Procedure
Variable: density

Moments			
N	47	Sum Weights	47
Mean	655.085106	Sum Observations	30789
Std Deviation	1218.36271	Variance	1484407.69
Skewness	3.51652538	Kurtosis	12.7412196
Uncorrected SS	88452169	Corrected SS	68282753.7
Coeff Variation	185.985408	Std Error Mean	177.716466

Basic Statistical Measures			
Location		Variability	
Mean	655.0851	Std Deviation	1218

Basic Statistical Measures			
Location		Variability	
Median	265.0000	Variance	1484408
Mode	234.0000	Range	6302
		Interquartile Range	295.00000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	3.686125	Pr > t	0.0006
Sign	M	23.5	Pr >= M	<.0001
Signed Rank	S	564	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6368
99%	6368
95%	3813
90%	1458
75% Q3	468
50% Median	265
25% Q1	173
10%	99
5%	82
1%	66
0% Min	66

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
66	1	1458	23
79	3	1934	11
82	5	3813	14
97	39	4628	27
99	32	6368	13

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	6.00	100.00

