

Obs	No	Name	Pos	DoBY	DoBM	DoBD	shintyou	taijyuu	tou	da	bikou
1	80	森 繁和	監督	1954	11	18	181	81			
2	11	小笠原 慎之	投手	1997	10	8	180	83	左	左	
3	12	田島 慎二	投手	1989	12	21	181	84	右	右	
4	13	岩瀬 仁紀	投手	1974	11	10	181	85	左	左	
5	14	佐藤 優	投手	1993	6	29	187	85	右	左	
6	16	又吉 克樹	投手	1990	11	4	180	74	右	右	
7	17	柳 裕也	投手	1994	4	22	180	83	右	右	
8	18	鈴木 翔太	投手	1995	6	16	183	74	右	右	
9	19	吉見 一起	投手	1984	9	19	182	91	右	右	
10	20	野村 亮介	投手	1993	7	9	187	85	右	右	
11	21	岡田 俊哉	投手	1991	12	5	179	65	左	左	
12	22	大野 雄大	投手	1988	9	26	183	78	左	左	
13	24	福谷 浩司	投手	1991	1	9	183	90	右	右	
14	25	武藤 祐太	投手	1989	6	14	178	85	右	右	
15	28	丸山 泰資	投手	1995	2	5	176	79	右	右	
16	29	山井 大介	投手	1978	5	10	179	82	右	右	
17	30	阿知羅 拓馬	投手	1992	11	20	190	95	右	右	
18	33	祖父江 大輔	投手	1987	8	11	175	78	右	左	
19	34	福 敬登	投手	1992	6	16	178	87	左	左	
20	41	浅尾 拓也	投手	1984	10	22	182	75	右	右	

**The MEANS Procedure**

<b>Variable</b>	<b>N</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Minimum</b>	<b>Maximum</b>
DoBY	81	1989.11	6.4226163	1954.00	1998.00
DoBM	81	6.9629630	3.5122800	1.0000000	12.0000000
DoBD	81	14.5308642	8.1257098	1.0000000	30.0000000
shintyou	81	180.5061728	5.0599493	167.0000000	200.0000000
taijyuu	81	82.7407407	8.7045646	65.0000000	125.0000000

## The FREQ Procedure

DoBY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1954	1	1.23	1	1.23
1974	1	1.23	2	2.47
1977	2	2.47	4	4.94
1978	2	2.47	6	7.41
1981	2	2.47	8	9.88
1983	1	1.23	9	11.11
1984	5	6.17	14	17.28
1985	3	3.70	17	20.99
1986	2	2.47	19	23.46
1987	3	3.70	22	27.16
1988	7	8.64	29	35.80
1989	7	8.64	36	44.44
1990	4	4.94	40	49.38
1991	9	11.11	49	60.49
1992	7	8.64	56	69.14
1993	8	9.88	64	79.01
1994	6	7.41	70	86.42
1995	4	4.94	74	91.36
1996	4	4.94	78	96.30
1997	1	1.23	79	97.53
1998	2	2.47	81	100.00

DoBM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	6	7.41	6	7.41
2	7	8.64	13	16.05
3	5	6.17	18	22.22
4	4	4.94	22	27.16
5	7	8.64	29	35.80
6	5	6.17	34	41.98
7	10	12.35	44	54.32
8	5	6.17	49	60.49
9	7	8.64	56	69.14
10	7	8.64	63	77.78
11	11	13.58	74	91.36
12	7	8.64	81	100.00

The FREQ Procedure

tou	Frequency	Percent	Cumulative Frequency	Cumulative Percent
右	63	78.75	63	78.75
左	17	21.25	80	100.00
Frequency Missing = 1				

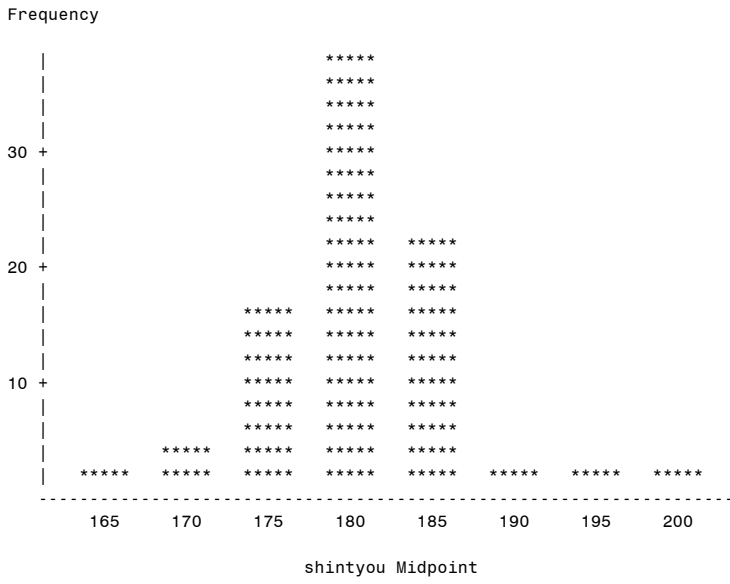
da	Frequency	Percent	Cumulative Frequency	Cumulative Percent
右	44	55.00	44	55.00
左	35	43.75	79	98.75
左右	1	1.25	80	100.00
Frequency Missing = 1				

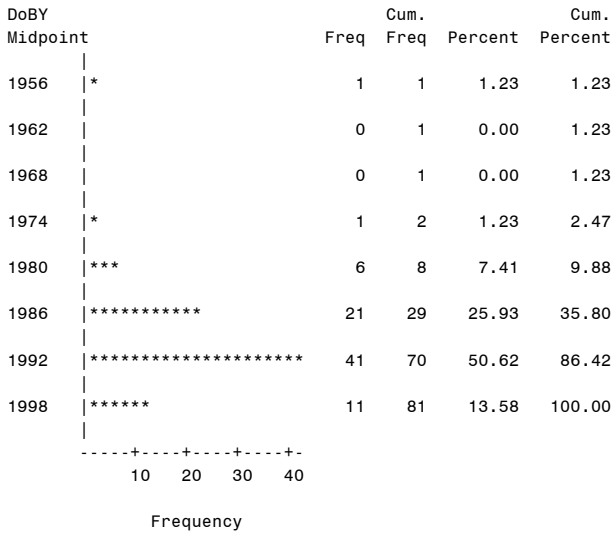
Frequency  
Percent  
Row Pct  
Col Pct

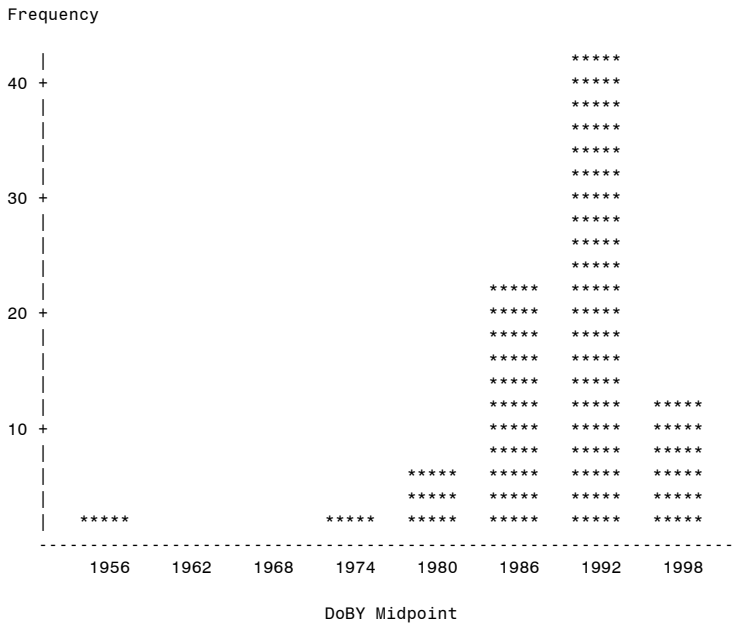
Table of tou by da				
tou	da			Total
	右	左	左右	
右	44 55.00 69.84 100.00	18 22.50 28.57 51.43	1 1.25 1.59 100.00	63 78.75
左	0 0.00 0.00 0.00	17 21.25 100.00 48.57	0 0.00 0.00 0.00	17 21.25
<b>Total</b>	44 55.00	35 43.75	1 1.25	80 100.00
Frequency Missing = 1				

shintyou Midpoint	Freq	Cum. Freq	Percent	Cum. Percent
165   *	1	1	1.23	1.23
170   **	3	4	3.70	4.94
175   *****	15	19	18.52	23.46
180   *****	37	56	45.68	69.14
185   *****	21	77	25.93	95.06
190   *	2	79	2.47	97.53
195   *	1	80	1.23	98.77
200   *	1	81	1.23	100.00

-----+-----+-----+-----  
 10 20 30  
 Frequency









The UNIVARIATE Procedure  
Variable: shintyou

Moments			
<b>N</b>	81	<b>Sum Weights</b>	81
<b>Mean</b>	180.506173	<b>Sum Observations</b>	14621
<b>Std Deviation</b>	5.05994925	<b>Variance</b>	25.6030864
<b>Skewness</b>	0.48774577	<b>Kurtosis</b>	2.40338502
<b>Uncorrected SS</b>	2641229	<b>Corrected SS</b>	2048.24691
<b>Coeff Variation</b>	2.80320012	<b>Std Error Mean</b>	0.56221658

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	180.5062	<b>Std Deviation</b>	5.05995
<b>Median</b>	180.0000	<b>Variance</b>	25.60309
<b>Mode</b>	180.0000	<b>Range</b>	33.00000
		<b>Interquartile Range</b>	5.00000

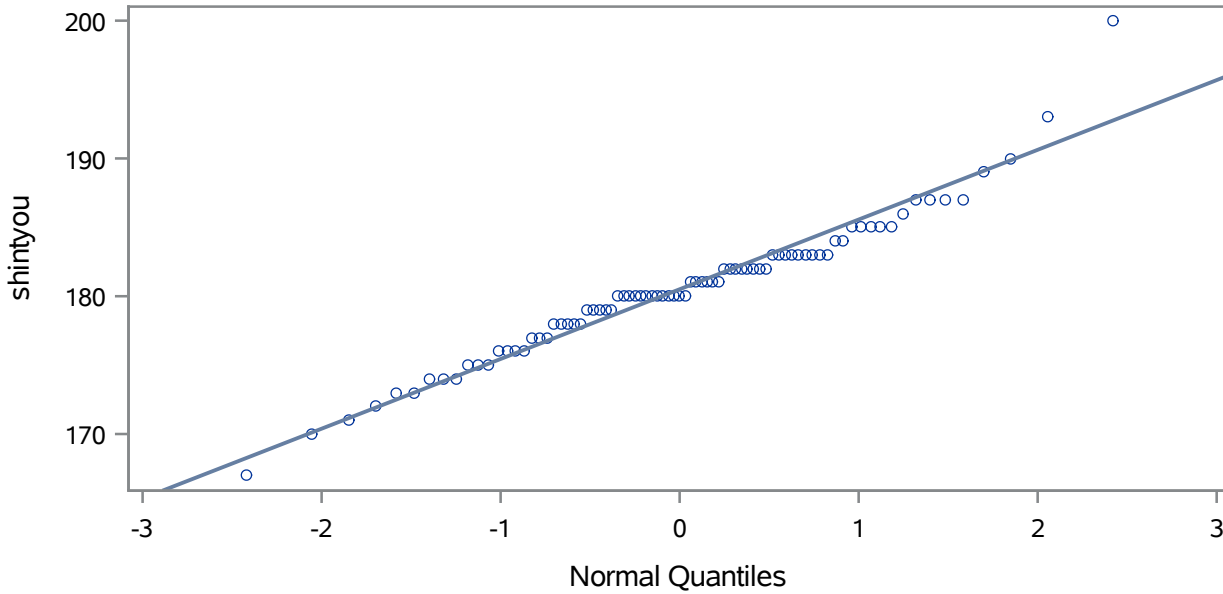
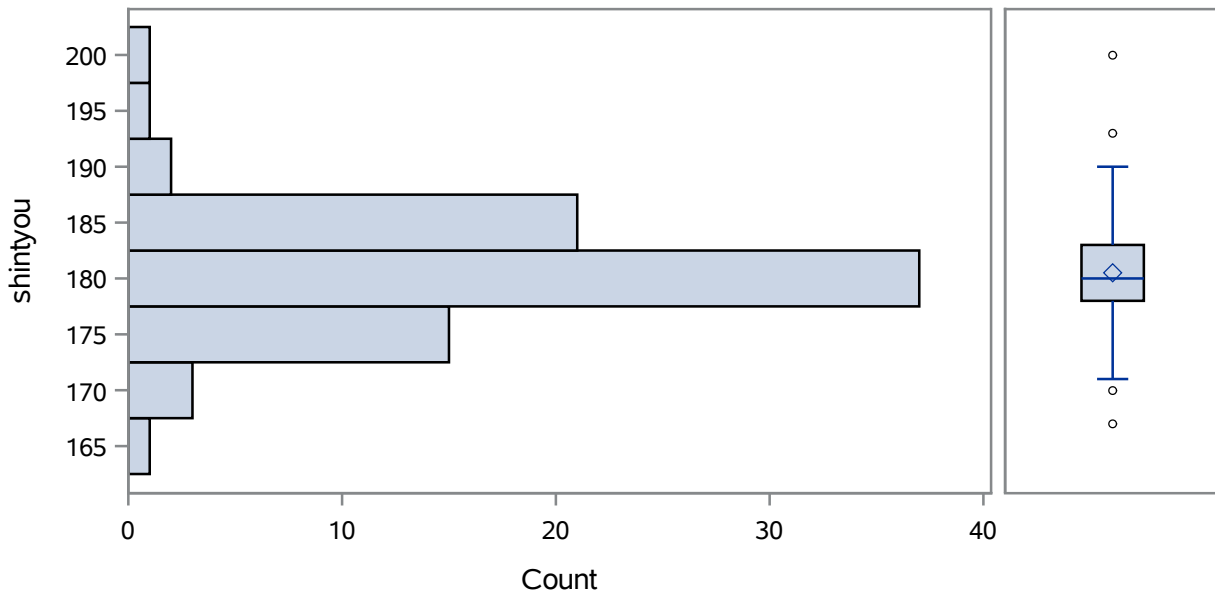
Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	321.0616	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	40.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	1660.5	<b>Pr &gt;=  S </b>	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	200
<b>99%</b>	200
<b>95%</b>	187
<b>90%</b>	186
<b>75% Q3</b>	183
<b>50% Median</b>	180
<b>25% Q1</b>	178
<b>10%</b>	174
<b>5%</b>	173
<b>1%</b>	167
<b>0% Min</b>	167

The UNIVARIATE Procedure  
Variable: shintyou

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
167	30	187	51
170	60	189	25
171	68	190	17
172	81	193	78
173	75	200	24

Distribution and Probability Plot for shintyou



The UNIVARIATE Procedure  
Variable: DoBY

Moments			
N	81	Sum Weights	81
Mean	1989.11111	Sum Observations	161118
Std Deviation	6.42261629	Variance	41.25
Skewness	-2.4128665	Kurtosis	10.3141417
Uncorrected SS	320484904	Corrected SS	3300
Coeff Variation	0.32288876	Std Error Mean	0.71362403

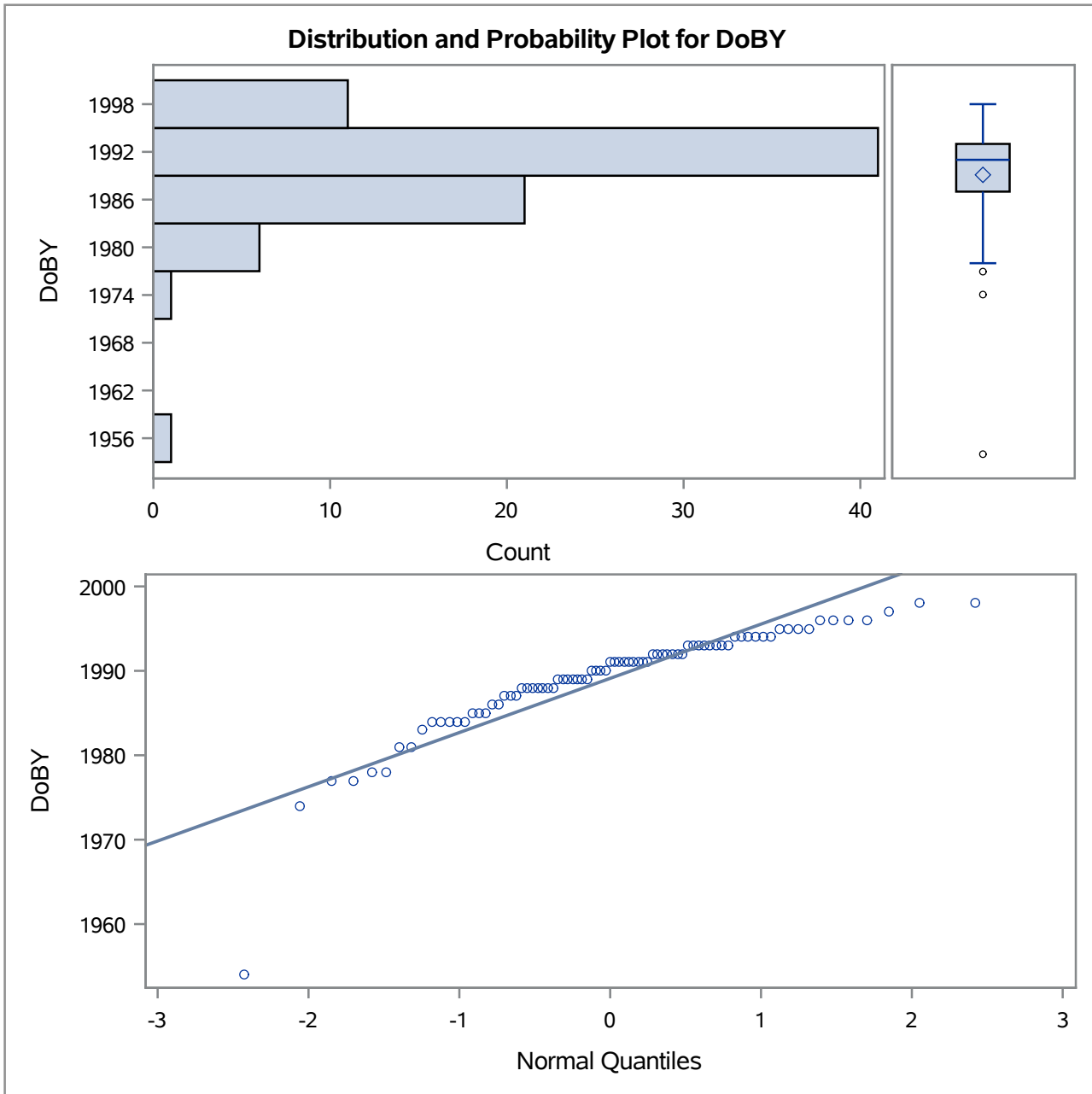
Basic Statistical Measures			
Location		Variability	
Mean	1989.111	Std Deviation	6.42262
Median	1991.000	Variance	41.25000
Mode	1991.000	Range	44.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	2787.338	Pr >  t	<.0001
Sign	M	40.5	Pr >=  M	<.0001
Signed Rank	S	1660.5	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1998
99%	1998
95%	1996
90%	1995
75% Q3	1993
50% Median	1991
25% Q1	1987
10%	1983
5%	1978
1%	1954
0% Min	1954

The UNIVARIATE Procedure  
Variable: DoBY

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1954	1	1996	78
1974	4	1996	79
1977	44	1997	2
1977	22	1998	26
1978	47	1998	50



**The UNIVARIATE Procedure**  
**Variable: shintyou**

Moments			
<b>N</b>	81	<b>Sum Weights</b>	81
<b>Mean</b>	180.506173	<b>Sum Observations</b>	14621
<b>Std Deviation</b>	5.05994925	<b>Variance</b>	25.6030864
<b>Skewness</b>	0.48774577	<b>Kurtosis</b>	2.40338502
<b>Uncorrected SS</b>	2641229	<b>Corrected SS</b>	2048.24691
<b>Coeff Variation</b>	2.80320012	<b>Std Error Mean</b>	0.56221658

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	180.5062	<b>Std Deviation</b>	5.05995
<b>Median</b>	180.0000	<b>Variance</b>	25.60309
<b>Mode</b>	180.0000	<b>Range</b>	33.00000
		<b>Interquartile Range</b>	5.00000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	321.0616	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	40.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	1660.5	<b>Pr &gt;=  S </b>	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	200
<b>99%</b>	200
<b>95%</b>	187
<b>90%</b>	186
<b>75% Q3</b>	183
<b>50% Median</b>	180
<b>25% Q1</b>	178
<b>10%</b>	174
<b>5%</b>	173
<b>1%</b>	167
<b>0% Min</b>	167

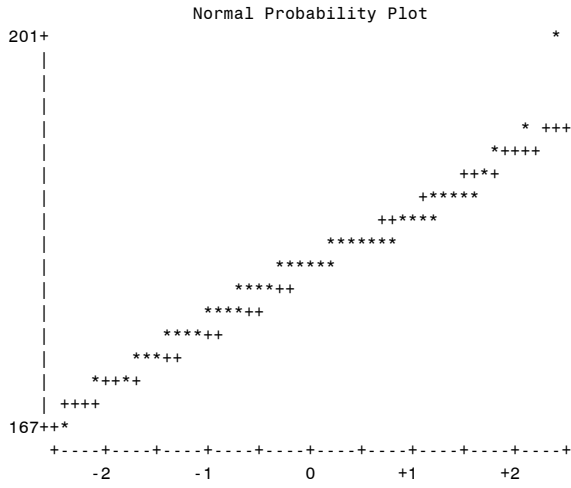
**The UNIVARIATE Procedure**  
**Variable: shintyou**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
167	30	187	51
170	60	189	25
171	68	190	17
172	81	193	78
173	75	200	24

The UNIVARIATE Procedure  
Variable: shintyou

Stem Leaf	#	Boxplot
200 0	1	*
198		
196		
194		
192 0	1	0
190 0	1	
188 0	1	
186 00000	5	
184 0000000	7	
182 0000000000000000000	17	+-----+
180 00000000000000000000	19	*-+--*
178 0000000000	10	+-----+
176 0000000	7	
174 000000	6	
172 000	3	
170 00	2	0
168		
166 0	1	0
-----+-----+-----+		

The UNIVARIATE Procedure  
Variable: shintyou





The UNIVARIATE Procedure  
Variable: DoBY

Moments			
<b>N</b>	81	<b>Sum Weights</b>	81
<b>Mean</b>	1989.11111	<b>Sum Observations</b>	161118
<b>Std Deviation</b>	6.42261629	<b>Variance</b>	41.25
<b>Skewness</b>	-2.4128665	<b>Kurtosis</b>	10.3141417
<b>Uncorrected SS</b>	320484904	<b>Corrected SS</b>	3300
<b>Coeff Variation</b>	0.32288876	<b>Std Error Mean</b>	0.71362403

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	1989.111	<b>Std Deviation</b>	6.42262
<b>Median</b>	1991.000	<b>Variance</b>	41.25000
<b>Mode</b>	1991.000	<b>Range</b>	44.00000
		<b>Interquartile Range</b>	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	2787.338	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	40.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	1660.5	<b>Pr &gt;=  S </b>	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	1998
<b>99%</b>	1998
<b>95%</b>	1996
<b>90%</b>	1995
<b>75% Q3</b>	1993
<b>50% Median</b>	1991
<b>25% Q1</b>	1987
<b>10%</b>	1983
<b>5%</b>	1978
<b>1%</b>	1954
<b>0% Min</b>	1954

**The UNIVARIATE Procedure**  
**Variable: DoBY**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1954	1	1996	78
1974	4	1996	79
1977	44	1997	2
1977	22	1998	26
1978	47	1998	50

The UNIVARIATE Procedure  
Variable: DoBY

Stem Leaf	#	Boxplot
199 5556666788	11	
199 0000111111111122222223333333444444	34	+-----+
198 55566777888888999999	22	+--+--+
198 11344444	8	
197 7788	4	0
197 4	1	0
196		
196		
195		
195 4	1	*
-----+-----+-----+-----+-----+-----		

Multiply Stem.Leaf by 10\*\*+1

The UNIVARIATE Procedure  
Variable: DoBY

