

Descriptive statistics for the elytra data

Obs	sex	length
1	M	4.9
2	F	5.2
3	M	4.9
4	F	4.2
5	F	5.7
6	M	4.6
7	M	3.8
8	F	5.4
9	F	4.0
10	F	4.5
11	M	4.9
12	F	5.2
13	M	4.9
14	F	4.2
15	F	5.7
16	M	4.6
17	M	3.8
18	F	5.4
19	F	4.0
20	F	4.5
21	F	5.2
22	F	4.9
23	M	5.0
24	M	4.4
25	M	5.0
26	M	5.0
27	M	4.9
28	F	4.5
29	F	4.5
30	M	5.1
31	F	5.5
32	M	4.8
33	F	4.9
34	M	4.8
35	M	4.5
36	M	4.5
37	M	4.4
38	M	5.2
39	M	4.1
40	F	5.0

41	M	4.4
42	F	4.9
43	M	4.7
44	M	4.4
45	F	4.8
46	F	4.5
47	M	4.0
48	M	3.4
49	F	5.5
50	M	4.7
51	M	4.8
52	F	4.8
53	F	3.7
54	M	5.3
55	M	4.6
56	F	4.8
57	M	4.5
58	M	5.0
59	M	4.4
60	F	4.6
61	M	4.4
62	M	4.9
63	F	5.3
64	F	5.0
65	F	4.7
66	F	5.2
67	M	5.0
68	M	5.0
69	M	4.8
70	M	5.8
71	F	5.7
72	F	5.2
73	M	4.9
74	F	5.1
75	F	5.3
76	F	5.3
77	F	5.9
78	F	5.3
79	M	4.5
80	F	5.2
81	M	5.1
82	F	4.6
83		

	M	4.8
84	M	3.5
85	F	4.6
86	F	5.3
87	M	5.2
88	F	4.8
89	M	5.1
90	M	5.2
91	M	4.9
92	M	5.3
93	M	5.2
94	F	4.9
95	F	5.6
96	M	5.0
97	M	5.0
98	F	5.1
99	M	5.1
100	F	5.5
101	M	5.1
102	F	4.8
103	F	4.9
104	F	5.0
105	M	4.9
106	M	5.0
107	F	5.0
108	M	4.9
109	M	4.8
110	F	5.2
111	F	4.8
112	M	4.7
113	F	5.1
114	M	4.5
115	M	5.0
116	F	5.4
117	F	4.6
118	M	4.0
119	M	4.2
120	F	5.2
121	F	4.6
122	M	5.0
123	M	3.7
124	M	4.6
125		

	M	4.0
126	M	5.1
127	F	4.4
128	M	4.8
129	M	4.6
130	F	3.7

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The UNIVARIATE Procedure
Variable: length
sex = F

Moments			
N	60	Sum Weights	60
Mean	4.94	Sum Observations	296.4
Std Deviation	0.48544929	Variance	0.23566102
Skewness	-0.521146	Kurtosis	0.16125847
Uncorrected SS	1478.12	Corrected SS	13.904
Coeff Variation	9.82690878	Std Error Mean	0.06267123

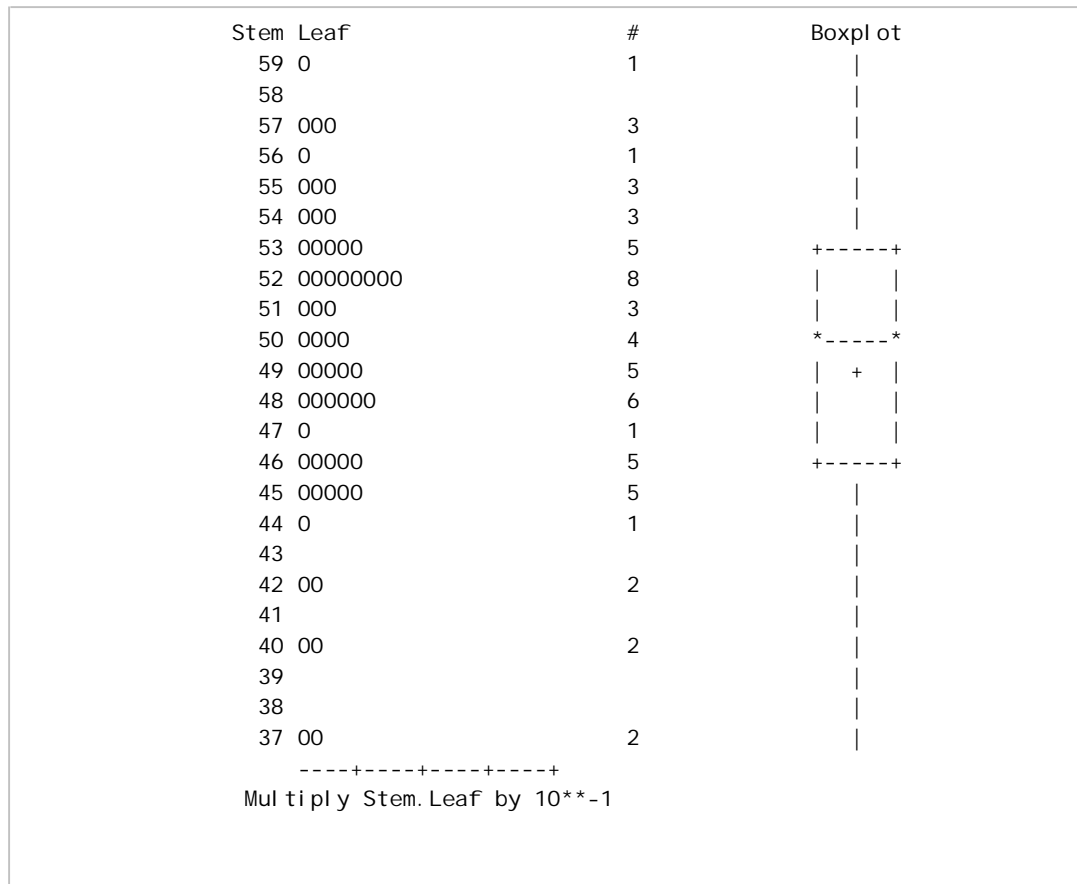
Basic Statistical Measures			
Location		Variability	
Mean	4.940000	Std Deviation	0.48545
Median	5.000000	Variance	0.23566
Mode	5.200000	Range	2.20000
		Interquartile Range	0.70000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	78.82404	Pr > t 	<.0001
Sign	M	30	Pr >= M 	<.0001
Signed Rank	S	915	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.9
99%	5.9
95%	5.7
90%	5.5
75% Q3	5.3
50% Median	5.0
25% Q1	4.6
10%	4.3
5%	4.0
1%	3.7
0% Min	3.7

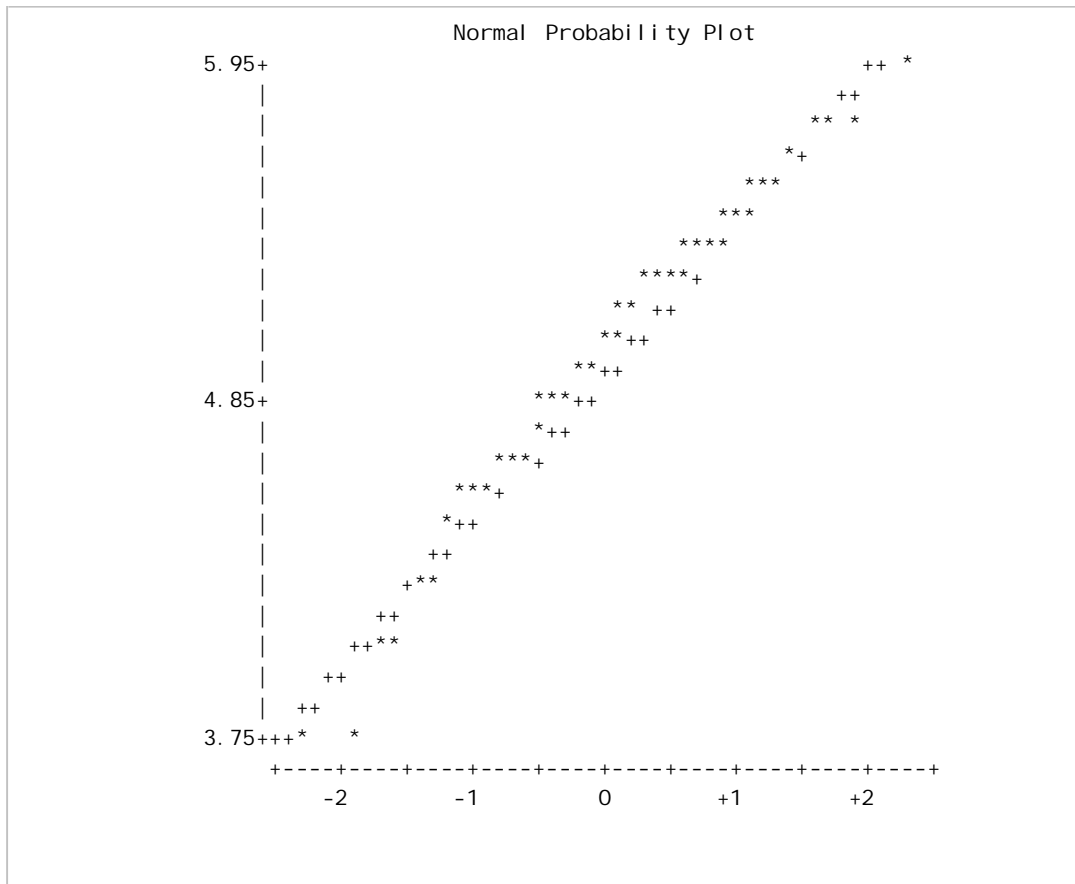
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
3.7	130	5.6	95

3.7	53	5.7	5
4.0	19	5.7	15
4.0	9	5.7	71
4.2	14	5.9	77



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The UNIVARIATE Procedure
Variable: length
sex = F



Descriptive statistics for the elytra data

The UNIVARIATE Procedure
Variable: length
sex = M

Moments			
N	70	Sum Weights	70
Mean	4.71285714	Sum Observations	329.9
Std Deviation	0.44977335	Variance	0.20229607
Skewness	-0.896502	Kurtosis	1.00307174
Uncorrected SS	1568.73	Corrected SS	13.9584286
Coeff Variation	9.5435388	Std Error Mean	0.0537582

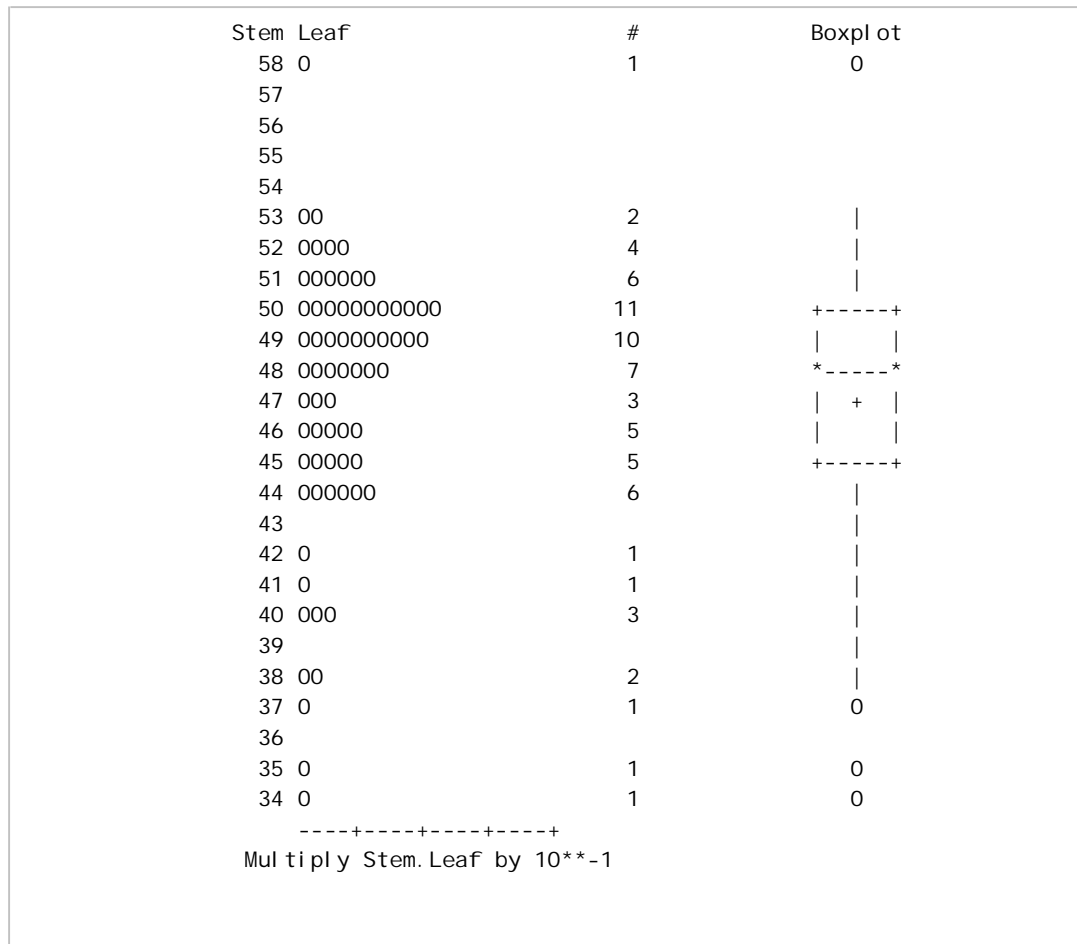
Basic Statistical Measures			
Location		Variability	
Mean	4.712857	Std Deviation	0.44977
Median	4.800000	Variance	0.20230
Mode	5.000000	Range	2.40000
		Interquartile Range	0.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	87.66769	Pr > t 	<.0001
Sign	M	35	Pr >= M 	<.0001
Signed Rank	S	1242.5	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.80
99%	5.80
95%	5.20
90%	5.15
75% Q3	5.00
50% Median	4.80
25% Q1	4.50
10%	4.00
5%	3.80
1%	3.40
0% Min	3.40

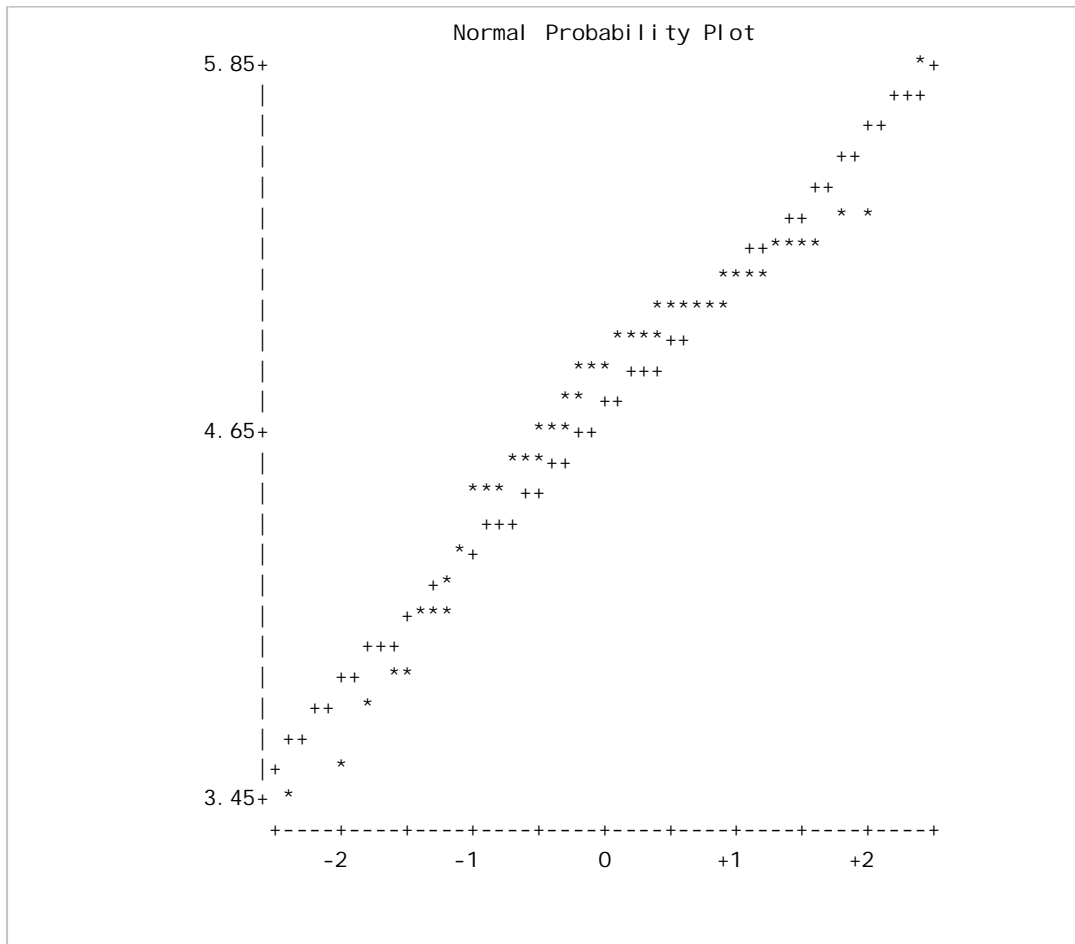
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
3.4	48	5.2	90

3.5	84	5.2	93
3.7	123	5.3	54
3.8	17	5.3	92
3.8	7	5.8	70



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The UNIVARIATE Procedure
Variable: length
sex = M



The UNIVARIATE Procedure

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