

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure

Variable: Bladelength_cm

Moments			
N	12659	Sum Weights	12659
Mean	17.2005933	Sum Observations	217742.31
Std Deviation	10.8265875	Variance	117.214996
Skewness	3.37125329	Kurtosis	51.948466
Uncorrected SS	5229004.33	Corrected SS	1483707.42
Coeff Variation	62.943105	Std Error Mean	0.09622588

Basic Statistical Measures			
Location		Variability	
Mean	17.20059	Std Deviation	10.82659
Median	15.00000	Variance	117.21500
Mode	10.00000	Range	279.20000
		Interquartile Range	14.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	178.7523	Pr > t 	<.0001
Sign	M	6323.5	Pr >= M 	<.0001
Signed Rank	S	39989814	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	279.2
99%	47.0
95%	36.4
90%	31.0
75% Q3	23.2
50% Median	15.0
25% Q1	9.2
10%	6.0
5%	4.8
1%	2.8
0% Min	0.0

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Bladelength_cm

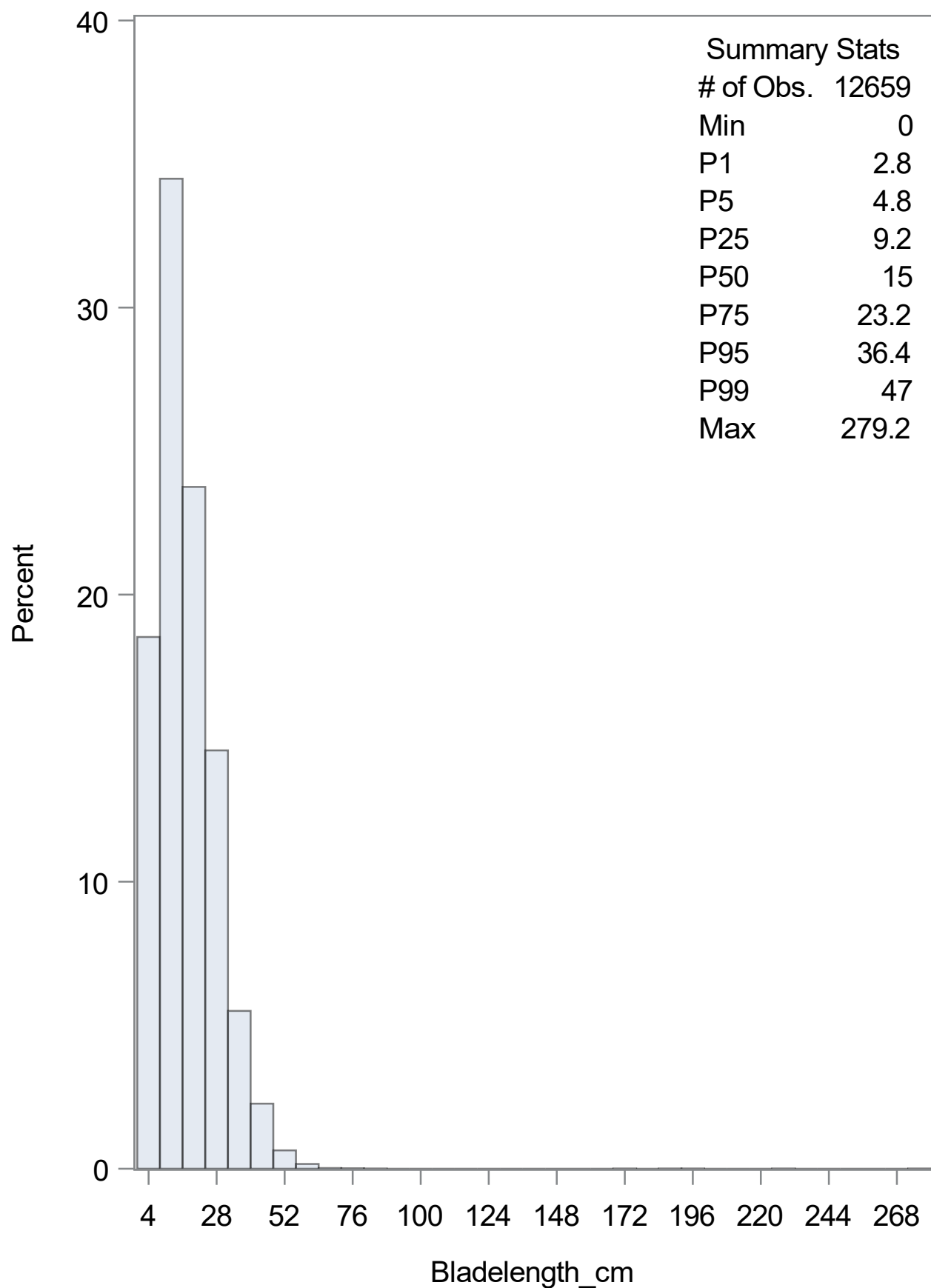
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	12326	173.0	12239
0	12321	191.8	12240
0	12318	193.0	12237
0	11029	224.2	12235
0	7111	279.2	12236

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	2601	17.04	100.00

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure

Distribution of Bladelength_cm



Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Depth_cm

Moments			
N	13801	Sum Weights	13801
Mean	-101.71995	Sum Observations	-1403837
Std Deviation	49.5386956	Variance	2454.08236
Skewness	-0.847145	Kurtosis	0.3484617
Uncorrected SS	176664563	Corrected SS	33866336.6
Coeff Variation	-48.701063	Std Error Mean	0.4216861

Basic Statistical Measures			
Location		Variability	
Mean	-101.720	Std Deviation	49.53870
Median	-91.000	Variance	2454
Mode	-83.000	Range	374.00000
		Interquartile Range	64.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-241.222	Pr > t 	<.0001
Sign	M	-6893.5	Pr >= M 	<.0001
Signed Rank	S	-4.759E7	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	62
99%	-23
95%	-37
90%	-47
75% Q3	-66
50% Median	-91
25% Q1	-130
10%	-175
5%	-201
1%	-238
0% Min	-312

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Depth_cm

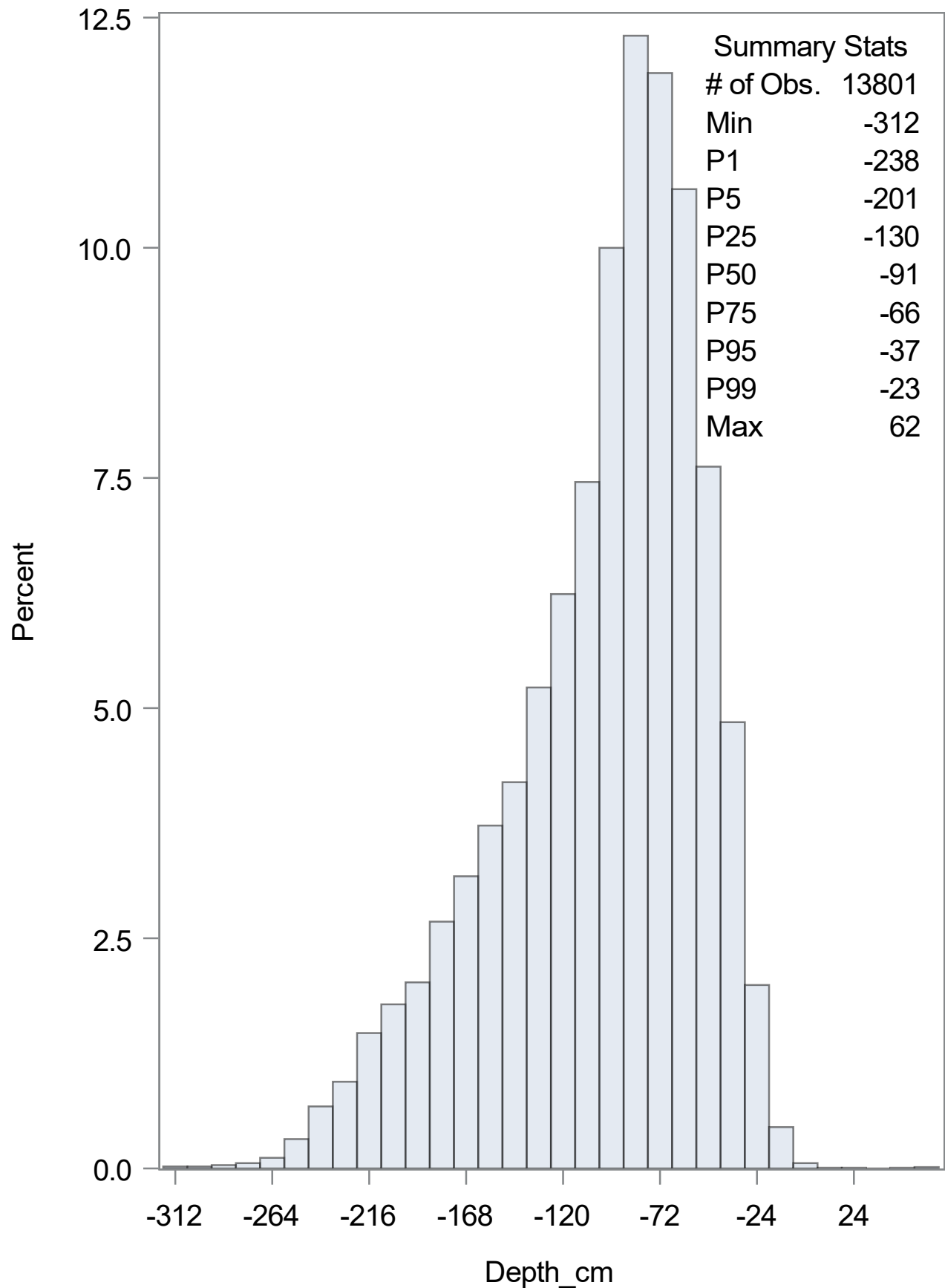
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-312	9894	12	1327
-312	9893	29	904
-309	10780	42	1618
-298	11186	62	8822
-297	5546	62	8823

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1459	9.56	100.00

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure

Distribution of Depth_cm



Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Species_BB

Moments			
N	15125	Sum Weights	15125
Mean	1.52942149	Sum Observations	23132.5
Std Deviation	1.43612127	Variance	2.06244429
Skewness	1.0345495	Kurtosis	0.11688617
Uncorrected SS	66571.75	Corrected SS	31192.4074
Coeff Variation	93.8996397	Std Error Mean	0.01167733

Basic Statistical Measures			
Location		Variability	
Mean	1.529421	Std Deviation	1.43612
Median	1.000000	Variance	2.06244
Mode	1.000000	Range	5.00000
		Interquartile Range	1.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	130.9736	Pr > t 	<.0001
Sign	M	6566	Pr >= M 	<.0001
Signed Rank	S	43115639	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.0
99%	5.0
95%	5.0
90%	4.0
75% Q3	2.0
50% Median	1.0
25% Q1	0.5
10%	0.0
5%	0.0
1%	0.0
0% Min	0.0

Univariate Statistics and Histograms for Response Parameters of Interest

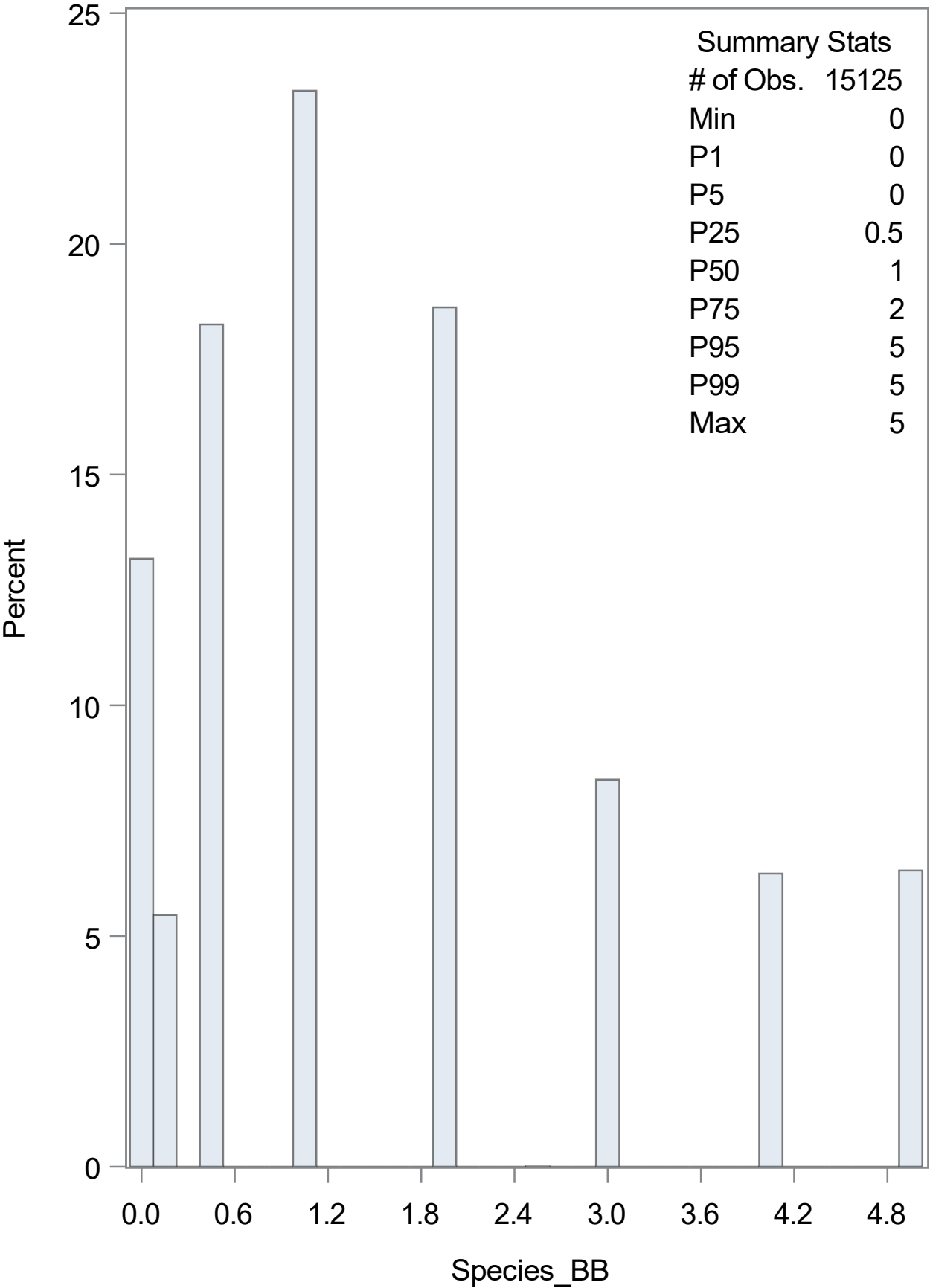
The UNIVARIATE Procedure Variable: Species_BB

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	15242	5	15016
0	15233	5	15024
0	15227	5	15069
0	15221	5	15081
0	15214	5	15136

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	135	0.88	100.00

The UNIVARIATE Procedure

Distribution of Species_BB



Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure

Variable: Total_BB

Moments			
N	12769	Sum Weights	12769
Mean	1.90523925	Sum Observations	24328
Std Deviation	1.62441525	Variance	2.6387249
Skewness	0.64298396	Kurtosis	-0.826085
Uncorrected SS	80041.9	Corrected SS	33691.2395
Coeff Variation	85.2604337	Std Error Mean	0.01437536

Basic Statistical Measures			
Location		Variability	
Mean	1.905239	Std Deviation	1.62442
Median	1.000000	Variance	2.63872
Mode	1.000000	Range	5.00000
		Interquartile Range	2.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	132.5351	Pr > t 	<.0001
Sign	M	5549	Pr >= M 	<.0001
Signed Rank	S	30794176	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.0
99%	5.0
95%	5.0
90%	5.0
75% Q3	3.0
50% Median	1.0
25% Q1	0.5
10%	0.0
5%	0.0
1%	0.0
0% Min	0.0

Univariate Statistics and Histograms for Response Parameters of Interest

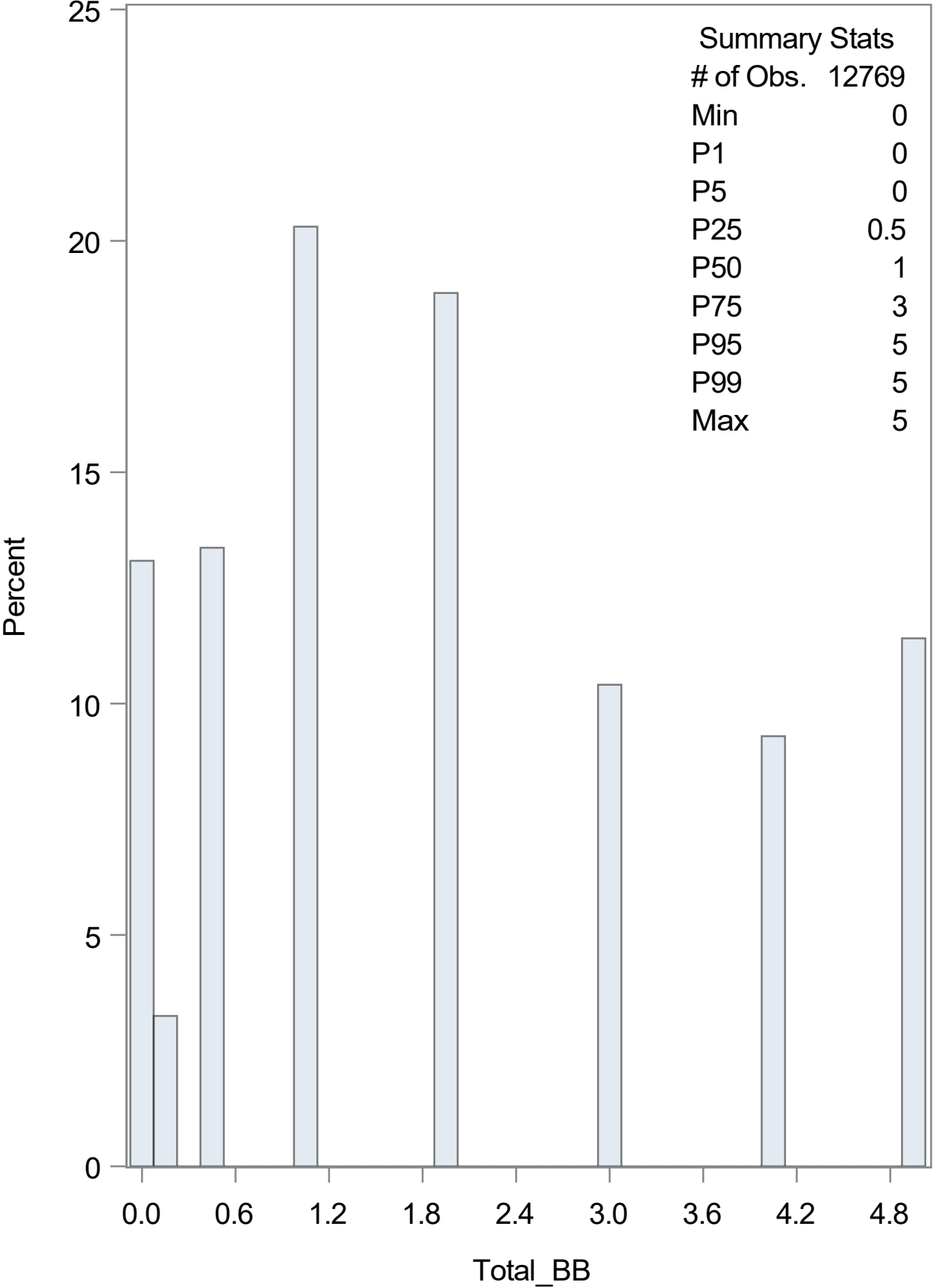
The UNIVARIATE Procedure Variable: Total_BB

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	15242	5	15053
0	15233	5	15069
0	15227	5	15081
0	15221	5	15136
0	15214	5	15137

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	2491	16.32	100.00

The UNIVARIATE Procedure

Distribution of Total_BB



Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Shoots_m2

Moments			
N	11593	Sum Weights	11593
Mean	299.307341	Sum Observations	3469870
Std Deviation	679.289207	Variance	461433.827
Skewness	5.68619079	Kurtosis	49.6497358
Uncorrected SS	6387498488	Corrected SS	5348940926
Coeff Variation	226.953741	Std Error Mean	6.3089458

Basic Statistical Measures			
Location		Variability	
Mean	299.3073	Std Deviation	679.28921
Median	56.0000	Variance	461434
Mode	0.0000	Range	11780
		Interquartile Range	296.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	47.44174	Pr > t 	<.0001
Sign	M	4675	Pr >= M 	<.0001
Signed Rank	S	21857963	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	11780
99%	3440
95%	1340
90%	800
75% Q3	300
50% Median	56
25% Q1	4
10%	0
5%	0
1%	0
0% Min	0

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure Variable: Shoots_m2

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	15242	8780	4814
0	15233	9140	14323
0	15227	10440	3962
0	15221	11580	3941
0	15214	11780	3952

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3667	24.03	100.00

Univariate Statistics and Histograms for Response Parameters of Interest

The UNIVARIATE Procedure

Distribution of Shoots_m2

