The CONTENTS Procedure

Data Set Name	WORK.IRIS	**Observations**	150
Member Type	DATA	**Variables**	5
Engine	V9	**Indexes**	0
Created	02/11/2023 17:07:12	**Observation Length**	48
Last Modified	02/11/2023 17:07:12	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2722
Obs in First Data Page	150
Number of Data Set Repairs	0
Filename	/saswork/SAS_work162C00017439_odaws03-usw2.oda.sas.com/SAS_work07F200017439_odaws03-usw2.oda.sas.com/iris.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	1610629643
Access Permission	rw-r--r--
Owner Name	u58947900
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	**Variable**	**Type**	**Len**	**Label**
4	PetalLength	Num	8	Petal Length (mm)
5	PetalWidth	Num	8	Petal Width (mm)
2	SepalLength	Num	8	Sepal Length (mm)
3	SepalWidth	Num	8	Sepal Width (mm)
1	Species	Char	10	Iris Species

The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
SepalLength	Sepal Length (mm)	150	58.4333333	8.2806613	43.0000000	79.0000000
SepalWidth	Sepal Width (mm)	150	30.5733333	4.3586628	20.0000000	44.0000000
PetalLength	Petal Length (mm)	150	37.5800000	17.6529823	10.0000000	69.0000000
PetalWidth	Petal Width (mm)	150	11.9933333	7.6223767	1.0000000	25.0000000

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Species by SepalLength

Species(Iris Species)	SepalLength(Sepal Length (mm))																							
	43	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**	**61**	**62**	**63**	**64**	**65**	
Setosa	1 0.67 2.00 100.00	3 2.00 6.00 100.00	1 0.67 2.00 100.00	4 2.67 8.00 100.00	2 1.33 4.00 100.00	5 3.33 10.00 100.00	4 2.67 8.00 66.67	8 5.33 16.00 80.00	8 5.33 16.00 88.89	3 2.00 6.00 75.00	1 0.67 2.00 100.00	5 3.33 10.00 83.33	2 1.33 4.00 28.57	0 0.00 0.00 0.00	2 1.33 4.00 25.00	1 0.67 2.00 14.29	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0.0 0.0 0.0
Versicolor	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.67 2.00 16.67	2 1.33 4.00 20.00	1 0.67 2.00 11.11	1 0.67 2.00 25.00	0 0.00 0.00 0.00	1 0.67 2.00 16.67	5 3.33 10.00 71.43	5 3.33 10.00 83.33	5 3.33 10.00 62.50	3 2.00 6.00 42.86	2 1.33 4.00 66.67	4 2.67 8.00 66.67	4 2.67 8.00 66.67	2 1.33 4.00 50.00	3 2.00 6.00 33.33	2 1.33 4.00 28.57	1 0.67 2.00 20.00	1.3 4.0 100.0
Virginica	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.67 2.00 16.67	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	1 0.67 2.00 16.67	1 0.67 2.00 12.50	3 2.00 6.00 42.86	1 0.67 2.00 33.33	2 1.33 4.00 33.33	2 1.33 4.00 33.33	2 1.33 4.00 50.00	6 4.00 12.00 66.67	5 3.33 10.00 71.43	4 2.67 8.00 80.00	0.0 0.0 0.0
Total	1 0.67	3 2.00	1 0.67	4 2.67	2 1.33	5 3.33	6 4.00	10 6.67	9 6.00	4 2.67	1 0.67	6 4.00	7 4.67	6 4.00	8 5.33	7 4.67	3 2.00	6 4.00	6 4.00	4 2.67	9 6.00	7 4.67	5 3.33	1.3

The CORR Procedure

4 Variables:	SepalLength SepalWidth PetalLength PetalWidth

Simple Statistics							
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**	**Label**
SepalLength	150	58.43333	8.28066	8765	43.00000	79.00000	Sepal Length (mm)
SepalWidth	150	30.57333	4.35866	4586	20.00000	44.00000	Sepal Width (mm)
PetalLength	150	37.58000	17.65298	5637	10.00000	69.00000	Petal Length (mm)
PetalWidth	150	11.99333	7.62238	1799	1.00000	25.00000	Petal Width (mm)

Pearson Correlation Coefficients, N = 150 Prob > |r| under H0: Rho=0				
	SepalLength	SepalWidth	PetalLength	PetalWidth
SepalLength Sepal Length (mm)	1.00000	-0.11757 0.1519	0.87175 <.0001	0.81794 <.0001
SepalWidth Sepal Width (mm)	-0.11757 0.1519	1.00000	-0.42844 <.0001	-0.36613 <.0001
PetalLength Petal Length (mm)	0.87175 <.0001	-0.42844 <.0001	1.00000	0.96287 <.0001
PetalWidth Petal Width (mm)	0.81794 <.0001	-0.36613 <.0001	0.96287 <.0001	1.00000

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
1	Setosa	50	33	14	2
2	Setosa	46	34	14	3
3	Setosa	46	36	10	2
4	Setosa	51	33	17	5
5	Setosa	55	35	13	2
6	Setosa	48	31	16	2
7	Setosa	52	34	14	2
8	Setosa	49	36	14	1
9	Setosa	44	32	13	2
10	Setosa	50	35	16	6
11	Setosa	44	30	13	2
12	Setosa	47	32	16	2
13	Setosa	48	30	14	3
14	Setosa	51	38	16	2
15	Setosa	48	34	19	2
16	Setosa	50	30	16	2
17	Setosa	50	32	12	2
18	Setosa	43	30	11	1
19	Setosa	58	40	12	2
20	Setosa	51	38	19	4
21	Setosa	49	30	14	2
22	Setosa	51	35	14	2
23	Setosa	50	34	16	4
24	Setosa	46	32	14	2
25	Setosa	57	44	15	4
26	Setosa	50	36	14	2
27	Setosa	54	34	15	4
28	Setosa	52	41	15	1
29	Setosa	55	42	14	2
30	Setosa	49	31	15	2
31	Setosa	54	39	17	4
32	Setosa	50	34	15	2
33	Setosa	44	29	14	2
34	Setosa	47	32	13	2
35	Setosa	46	31	15	2
36	Setosa	51	34	15	2
37	Setosa	50	35	13	3
38	Setosa	49	31	15	1
39	Setosa	54	37	15	2
40	Setosa	54	39	13	4
41	Setosa	51	35	14	3
42	Setosa	48	34	16	2
43	Setosa	48	30	14	1
44	Setosa	45	23	13	3
45	Setosa	57	38	17	3
46	Setosa	51	38	15	3
47	Setosa	54	34	17	2
48	Setosa	51	37	15	4
49	Setosa	52	35	15	2
50	Setosa	53	37	15	2
51	Versicolor	65	28	46	15
52	Versicolor	62	22	45	15
53	Versicolor	59	32	48	18
54	Versicolor	61	30	46	14
55	Versicolor	60	27	51	16
56	Versicolor	56	25	39	11
57	Versicolor	57	28	45	13
58	Versicolor	63	33	47	16
59	Versicolor	70	32	47	14
60	Versicolor	64	32	45	15
61	Versicolor	61	28	40	13
62	Versicolor	55	24	38	11
63	Versicolor	54	30	45	15

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
64	Versicolor	58	26	40	12
65	Versicolor	55	26	44	12
66	Versicolor	50	23	33	10
67	Versicolor	67	31	44	14
68	Versicolor	56	30	45	15
69	Versicolor	58	27	41	10
70	Versicolor	60	29	45	15
71	Versicolor	57	26	35	10
72	Versicolor	57	29	42	13
73	Versicolor	49	24	33	10
74	Versicolor	56	27	42	13
75	Versicolor	57	30	42	12
76	Versicolor	66	29	46	13
77	Versicolor	52	27	39	14
78	Versicolor	60	34	45	16
79	Versicolor	50	20	35	10
80	Versicolor	55	24	37	10
81	Versicolor	58	27	39	12
82	Versicolor	62	29	43	13
83	Versicolor	59	30	42	15
84	Versicolor	60	22	40	10
85	Versicolor	67	31	47	15
86	Versicolor	63	23	44	13
87	Versicolor	56	30	41	13
88	Versicolor	63	25	49	15
89	Versicolor	61	28	47	12
90	Versicolor	64	29	43	13
91	Versicolor	51	25	30	11
92	Versicolor	57	28	41	13
93	Versicolor	61	29	47	14
94	Versicolor	56	29	36	13
95	Versicolor	69	31	49	15
96	Versicolor	55	25	40	13
97	Versicolor	55	23	40	13
98	Versicolor	66	30	44	14
99	Versicolor	68	28	48	14
100	Versicolor	67	30	50	17
101	Virginica	64	28	56	22
102	Virginica	67	31	56	24
103	Virginica	63	28	51	15
104	Virginica	69	31	51	23
105	Virginica	65	30	52	20
106	Virginica	65	30	55	18
107	Virginica	58	27	51	19
108	Virginica	68	32	59	23
109	Virginica	62	34	54	23
110	Virginica	77	38	67	22
111	Virginica	67	33	57	25
112	Virginica	76	30	66	21
113	Virginica	49	25	45	17
114	Virginica	67	30	52	23
115	Virginica	59	30	51	18
116	Virginica	63	25	50	19
117	Virginica	64	32	53	23
118	Virginica	79	38	64	20
119	Virginica	67	33	57	21
120	Virginica	77	28	67	20
121	Virginica	63	27	49	18
122	Virginica	72	32	60	18
123	Virginica	61	30	49	18
124	Virginica	61	26	56	14
125	Virginica	64	28	56	21
126	Virginica	62	28	48	18
127	Virginica	77	30	61	23
128	Virginica	63	34	56	24
129	Virginica	58	27	51	19
130	Virginica	72	30	58	16
131	Virginica	71	30	59	21
132	Virginica	64	31	55	18
133	Virginica	60	30	48	18
134	Virginica	63	29	56	18
135	Virginica	77	26	69	23
136	Virginica	60	22	50	15
137	Virginica	69	32	57	23
138	Virginica	74	28	61	19

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
139	Virginica	56	28	49	20
140	Virginica	73	29	63	18
141	Virginica	67	25	58	18
142	Virginica	65	30	58	22
143	Virginica	69	31	54	21
144	Virginica	72	36	61	25
145	Virginica	65	32	51	20
146	Virginica	64	27	53	19
147	Virginica	68	30	55	21
148	Virginica	57	25	50	20
149	Virginica	58	28	51	24
150	Virginica	63	33	60	25

The CONTENTS Procedure

Data Set Name	WORK.IRIS	Observations	150
Member Type	DATA	Variables	5
Engine	V9	Indexes	0
Created	02/11/2023 17:07:12	Observation Length	48
Last Modified	02/11/2023 17:07:12	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2722
Obs in First Data Page	150
Number of Data Set Repairs	0
Filename	/saswork/SAS_work162C00017439_odaws03-usw2.oda.sas.com/SAS_work07F200017439_odaws03-usw2.oda.sas.com/iris.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	1610629643
Access Permission	rw-r--r--
Owner Name	u58947900
File Size	256KB
File Size (bytes)	262144

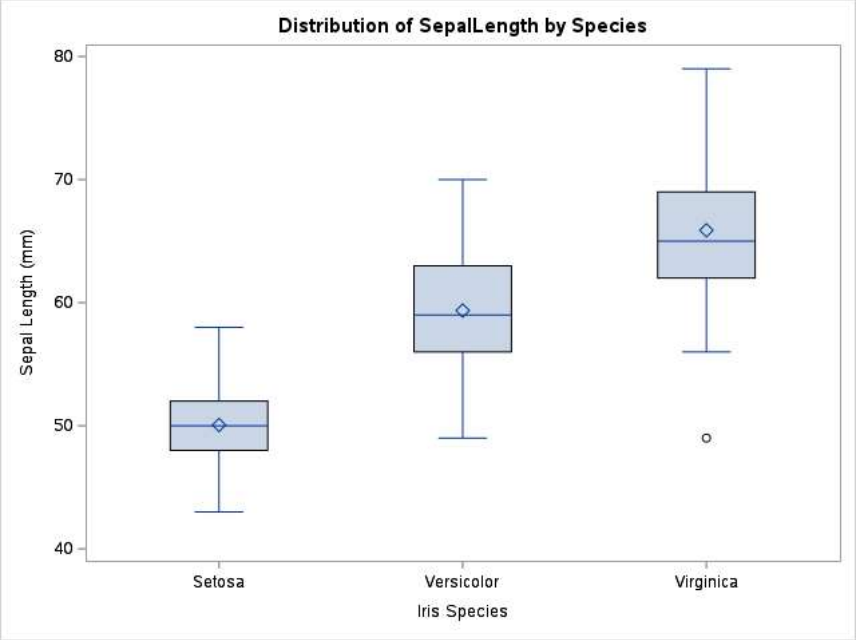
Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
4	PetalLength	Num	8	Petal Length (mm)
5	PetalWidth	Num	8	Petal Width (mm)
2	SepalLength	Num	8	Sepal Length (mm)
3	SepalWidth	Num	8	Sepal Width (mm)
1	Species	Char	10	Iris Species

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
1	Setosa	50	33	14	2
2	Setosa	46	34	14	3
3	Setosa	46	36	10	2
4	Setosa	51	33	17	5
5	Setosa	55	35	13	2
6	Setosa	48	31	16	2
7	Setosa	52	34	14	2
8	Setosa	49	36	14	1
9	Setosa	44	32	13	2
10	Setosa	50	35	16	6
11	Setosa	44	30	13	2
12	Setosa	47	32	16	2
13	Setosa	48	30	14	3
14	Setosa	51	38	16	2
15	Setosa	48	34	19	2
16	Setosa	50	30	16	2
17	Setosa	50	32	12	2
18	Setosa	43	30	11	1
19	Setosa	58	40	12	2
20	Setosa	51	38	19	4
21	Setosa	49	30	14	2

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
22	Setosa	51	35	14	2
23	Setosa	50	34	16	4
24	Setosa	46	32	14	2
25	Setosa	57	44	15	4
26	Setosa	50	36	14	2
27	Setosa	54	34	15	4
28	Setosa	52	41	15	1
29	Setosa	55	42	14	2
30	Setosa	49	31	15	2
31	Setosa	54	39	17	4
32	Setosa	50	34	15	2
33	Setosa	44	29	14	2
34	Setosa	47	32	13	2
35	Setosa	46	31	15	2
36	Setosa	51	34	15	2
37	Setosa	50	35	13	3
38	Setosa	49	31	15	1
39	Setosa	54	37	15	2
40	Setosa	54	39	13	4
41	Setosa	51	35	14	3
42	Setosa	48	34	16	2
43	Setosa	48	30	14	1
44	Setosa	45	23	13	3
45	Setosa	57	38	17	3
46	Setosa	51	38	15	3
47	Setosa	54	34	17	2
48	Setosa	51	37	15	4
49	Setosa	52	35	15	2
50	Setosa	53	37	15	2
51	Versicolor	65	28	46	15
52	Versicolor	62	22	45	15
53	Versicolor	59	32	48	18
54	Versicolor	61	30	46	14
55	Versicolor	60	27	51	16
56	Versicolor	56	25	39	11
57	Versicolor	57	28	45	13
58	Versicolor	63	33	47	16
59	Versicolor	70	32	47	14
60	Versicolor	64	32	45	15
61	Versicolor	61	28	40	13
62	Versicolor	55	24	38	11
63	Versicolor	54	30	45	15
64	Versicolor	58	26	40	12
65	Versicolor	55	26	44	12
66	Versicolor	50	23	33	10
67	Versicolor	67	31	44	14
68	Versicolor	56	30	45	15
69	Versicolor	58	27	41	10
70	Versicolor	60	29	45	15
71	Versicolor	57	26	35	10
72	Versicolor	57	29	42	13
73	Versicolor	49	24	33	10
74	Versicolor	56	27	42	13
75	Versicolor	57	30	42	12
76	Versicolor	66	29	46	13
77	Versicolor	52	27	39	14
78	Versicolor	60	34	45	16
79	Versicolor	50	20	35	10
80	Versicolor	55	24	37	10
81	Versicolor	58	27	39	12
82	Versicolor	62	29	43	13
83	Versicolor	59	30	42	15
84	Versicolor	60	22	40	10
85	Versicolor	67	31	47	15
86	Versicolor	63	23	44	13
87	Versicolor	56	30	41	13
88	Versicolor	63	25	49	15
89	Versicolor	61	28	47	12
90	Versicolor	64	29	43	13
91	Versicolor	51	25	30	11
92	Versicolor	57	28	41	13
93	Versicolor	61	29	47	14
94	Versicolor	56	29	36	13
95	Versicolor	69	31	49	15
96	Versicolor	55	25	40	13

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
97	Versicolor	55	23	40	13
98	Versicolor	66	30	44	14
99	Versicolor	68	28	48	14
100	Versicolor	67	30	50	17
101	Virginica	64	28	56	22
102	Virginica	67	31	56	24
103	Virginica	63	28	51	15
104	Virginica	69	31	51	23
105	Virginica	65	30	52	20
106	Virginica	65	30	55	18
107	Virginica	58	27	51	19
108	Virginica	68	32	59	23
109	Virginica	62	34	54	23
110	Virginica	77	38	67	22
111	Virginica	67	33	57	25
112	Virginica	76	30	66	21
113	Virginica	49	25	45	17
114	Virginica	67	30	52	23
115	Virginica	59	30	51	18
116	Virginica	63	25	50	19
117	Virginica	64	32	53	23
118	Virginica	79	38	64	20
119	Virginica	67	33	57	21
120	Virginica	77	28	67	20
121	Virginica	63	27	49	18
122	Virginica	72	32	60	18
123	Virginica	61	30	49	18
124	Virginica	61	26	56	14
125	Virginica	64	28	56	21
126	Virginica	62	28	48	18
127	Virginica	77	30	61	23
128	Virginica	63	34	56	24
129	Virginica	58	27	51	19
130	Virginica	72	30	58	16
131	Virginica	71	30	59	21
132	Virginica	64	31	55	18
133	Virginica	60	30	48	18
134	Virginica	63	29	56	18
135	Virginica	77	26	69	23
136	Virginica	60	22	50	15
137	Virginica	69	32	57	23
138	Virginica	74	28	61	19
139	Virginica	56	28	49	20
140	Virginica	73	29	63	18
141	Virginica	67	25	58	18
142	Virginica	65	30	58	22
143	Virginica	69	31	54	21
144	Virginica	72	36	61	25
145	Virginica	65	32	51	20
146	Virginica	64	27	53	19
147	Virginica	68	30	55	21
148	Virginica	57	25	50	20
149	Virginica	58	28	51	24
150	Virginica	63	33	60	25



Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
1	Setosa	50	33	14	2
2	Setosa	46	34	14	3
3	Setosa	46	36	10	2
4	Setosa	51	33	17	5
5	Setosa	55	35	13	2
6	Setosa	48	31	16	2
7	Setosa	52	34	14	2
8	Setosa	49	36	14	1
9	Setosa	44	32	13	2
10	Setosa	50	35	16	6
11	Setosa	44	30	13	2
12	Setosa	47	32	16	2
13	Setosa	48	30	14	3
14	Setosa	51	38	16	2
15	Setosa	48	34	19	2
16	Setosa	50	30	16	2
17	Setosa	50	32	12	2
18	Setosa	43	30	11	1
19	Setosa	58	40	12	2
20	Setosa	51	38	19	4
21	Setosa	49	30	14	2
22	Setosa	51	35	14	2
23	Setosa	50	34	16	4
24	Setosa	46	32	14	2
25	Setosa	57	44	15	4
26	Setosa	50	36	14	2
27	Setosa	54	34	15	4
28	Setosa	52	41	15	1
29	Setosa	55	42	14	2
30	Setosa	49	31	15	2
31	Setosa	54	39	17	4
32	Setosa	50	34	15	2
33	Setosa	44	29	14	2
34	Setosa	47	32	13	2
35	Setosa	46	31	15	2
36	Setosa	51	34	15	2
37	Setosa	50	35	13	3
38	Setosa	49	31	15	1
39	Setosa	54	37	15	2
40	Setosa	54	39	13	4
41	Setosa	51	35	14	3
42	Setosa	48	34	16	2
43	Setosa	48	30	14	1
44	Setosa	45	23	13	3
45	Setosa	57	38	17	3
46	Setosa	51	38	15	3
47	Setosa	54	34	17	2

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
48	Setosa	51	37	15	4
49	Setosa	52	35	15	2
50	Setosa	53	37	15	2
51	Versicolor	65	28	46	15
52	Versicolor	62	22	45	15
53	Versicolor	59	32	48	18
54	Versicolor	61	30	46	14
55	Versicolor	60	27	51	16
56	Versicolor	56	25	39	11
57	Versicolor	57	28	45	13
58	Versicolor	63	33	47	16
59	Versicolor	70	32	47	14
60	Versicolor	64	32	45	15
61	Versicolor	61	28	40	13
62	Versicolor	55	24	38	11
63	Versicolor	54	30	45	15
64	Versicolor	58	26	40	12
65	Versicolor	55	26	44	12
66	Versicolor	50	23	33	10
67	Versicolor	67	31	44	14
68	Versicolor	56	30	45	15
69	Versicolor	58	27	41	10
70	Versicolor	60	29	45	15
71	Versicolor	57	26	35	10
72	Versicolor	57	29	42	13
73	Versicolor	49	24	33	10
74	Versicolor	56	27	42	13
75	Versicolor	57	30	42	12
76	Versicolor	66	29	46	13
77	Versicolor	52	27	39	14
78	Versicolor	60	34	45	16
79	Versicolor	50	20	35	10
80	Versicolor	55	24	37	10
81	Versicolor	58	27	39	12
82	Versicolor	62	29	43	13
83	Versicolor	59	30	42	15
84	Versicolor	60	22	40	10
85	Versicolor	67	31	47	15
86	Versicolor	63	23	44	13
87	Versicolor	56	30	41	13
88	Versicolor	63	25	49	15
89	Versicolor	61	28	47	12
90	Versicolor	64	29	43	13
91	Versicolor	51	25	30	11
92	Versicolor	57	28	41	13
93	Versicolor	61	29	47	14
94	Versicolor	56	29	36	13
95	Versicolor	69	31	49	15
96	Versicolor	55	25	40	13
97	Versicolor	55	23	40	13
98	Versicolor	66	30	44	14
99	Versicolor	68	28	48	14
100	Versicolor	67	30	50	17
101	Virginica	64	28	56	22
102	Virginica	67	31	56	24
103	Virginica	63	28	51	15
104	Virginica	69	31	51	23
105	Virginica	65	30	52	20
106	Virginica	65	30	55	18
107	Virginica	58	27	51	19
108	Virginica	68	32	59	23
109	Virginica	62	34	54	23
110	Virginica	77	38	67	22
111	Virginica	67	33	57	25
112	Virginica	76	30	66	21
113	Virginica	49	25	45	17
114	Virginica	67	30	52	23
115	Virginica	59	30	51	18
116	Virginica	63	25	50	19
117	Virginica	64	32	53	23
118	Virginica	79	38	64	20
119	Virginica	67	33	57	21
120	Virginica	77	28	67	20
121	Virginica	63	27	49	18
122	Virginica	72	32	60	18

Obs	Species	SepalLength	SepalWidth	PetalLength	PetalWidth
123	Virginica	61	30	49	18
124	Virginica	61	26	56	14
125	Virginica	64	28	56	21
126	Virginica	62	28	48	18
127	Virginica	77	30	61	23
128	Virginica	63	34	56	24
129	Virginica	58	27	51	19
130	Virginica	72	30	58	16
131	Virginica	71	30	59	21
132	Virginica	64	31	55	18
133	Virginica	60	30	48	18
134	Virginica	63	29	56	18
135	Virginica	77	26	69	23
136	Virginica	60	22	50	15
137	Virginica	69	32	57	23
138	Virginica	74	28	61	19
139	Virginica	56	28	49	20
140	Virginica	73	29	63	18
141	Virginica	67	25	58	18
142	Virginica	65	30	58	22
143	Virginica	69	31	54	21
144	Virginica	72	36	61	25
145	Virginica	65	32	51	20
146	Virginica	64	27	53	19
147	Virginica	68	30	55	21
148	Virginica	57	25	50	20
149	Virginica	58	28	51	24
150	Virginica	63	33	60	25

The UNIVARIATE Procedure
Variable: SepalLength (Sepal Length (mm))

Moments			
N	150	Sum Weights	150
Mean	58.4333333	Sum Observations	8765
Std Deviation	8.28066128	Variance	68.5693512
Skewness	0.31491096	Kurtosis	-0.552064
Uncorrected SS	522385	Corrected SS	10216.8333
Coeff Variation	14.171126	Std Error Mean	0.67611316

Basic Statistical Measures			
Location		Variability	
Mean	58.43333	Std Deviation	8.28066
Median	58.00000	Variance	68.56935
Mode	50.00000	Range	36.00000
		Interquartile Range	13.00000

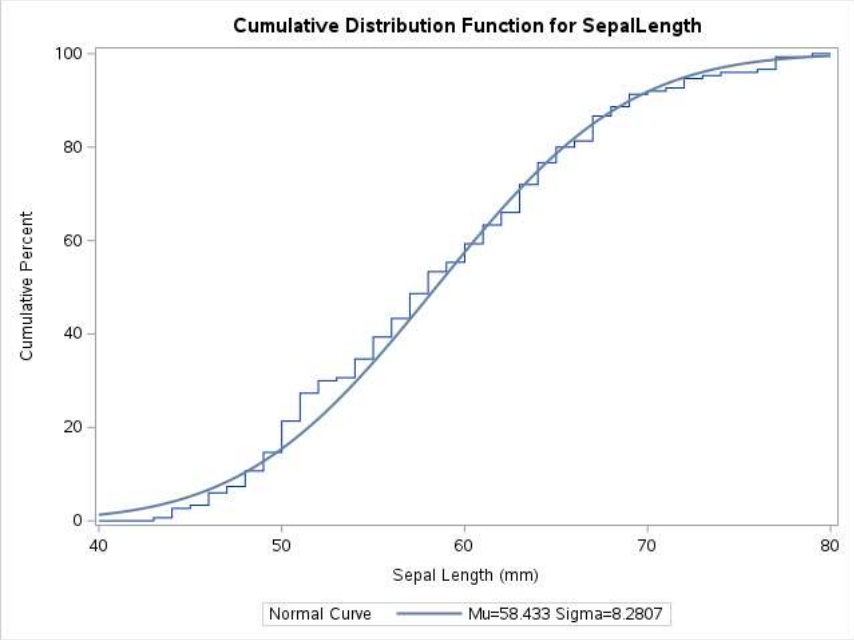
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	86.42537	Pr > |t|	<.0001
Sign	M	75	Pr >= |M|	<.0001
Signed Rank	S	5662.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	79
99%	77
95%	73
90%	69
75% Q3	64
50% Median	58
25% Q1	51
10%	48
5%	46
1%	44
0% Min	43

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
43	18	77	110
44	33	77	120
44	11	77	127
44	9	77	135

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
45	44	79	118

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Variable: SepalWidth (Sepal Width (mm))

Moments			
N	150	Sum Weights	150
Mean	30.5733333	Sum Observations	4586
Std Deviation	4.35866285	Variance	18.9979418
Skewness	0.31896566	Kurtosis	0.22824904
Uncorrected SS	143040	Corrected SS	2830.69333
Coeff Variation	14.2564201	Std Error Mean	0.35588333

Basic Statistical Measures			
Location		Variability	
Mean	30.57333	Std Deviation	4.35866
Median	30.00000	Variance	18.99794
Mode	30.00000	Range	24.00000
		Interquartile Range	5.00000

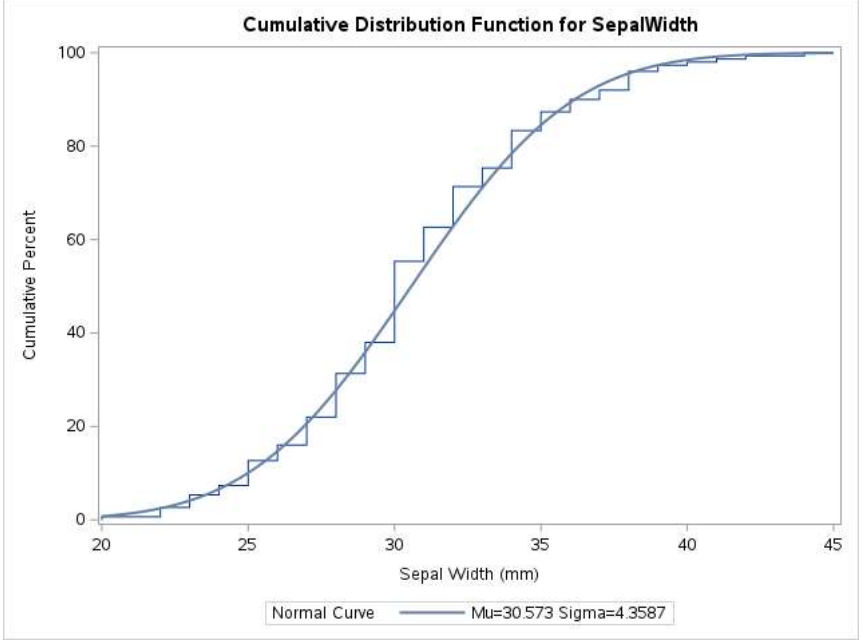
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	85.9083	Pr > |t|	<.0001
Sign	M	75	Pr >= |M|	<.0001
Signed Rank	S	5662.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	44.0
99%	42.0
95%	38.0
90%	36.5
75% Q3	33.0
50% Median	30.0
25% Q1	28.0
10%	25.0
5%	23.0
1%	22.0
0% Min	20.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
20	79	39	40

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
22	136	40	19
22	84	41	28
22	52	42	29
23	97	44	25

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Variable: PetalLength (Petal Length (mm))

Moments			
N	150	Sum Weights	150
Mean	37.58	Sum Observations	5637
Std Deviation	17.6529823	Variance	311.627785
Skewness	-0.2748842	Kurtosis	-1.4021034
Uncorrected SS	258271	Corrected SS	46432.54
Coeff Variation	46.9744075	Std Error Mean	1.44135997

Basic Statistical Measures			
Location		Variability	
Mean	37.58000	Std Deviation	17.65298
Median	43.50000	Variance	311.62779
Mode	14.00000	Range	59.00000
		Interquartile Range	35.00000

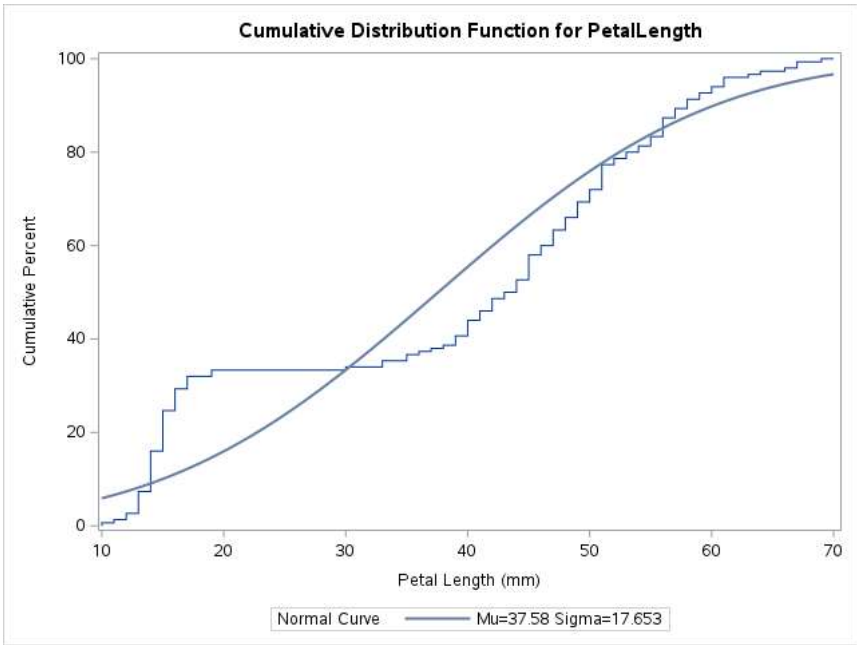
Note: The mode displayed is the smallest of 2 modes with a count of 13.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	26.0726	Pr > |t|	<.0001
Sign	M	75	Pr >= |M|	<.0001
Signed Rank	S	5662.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	69.0
99%	67.0
95%	61.0
90%	58.0
75% Q3	51.0
50% Median	43.5
25% Q1	16.0
10%	14.0
5%	13.0
1%	11.0
0% Min	10.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
10	3	64	118
11	18	66	112
12	19	67	110
12	17	67	120
13	44	69	135

The UNIVARIATE Procedure



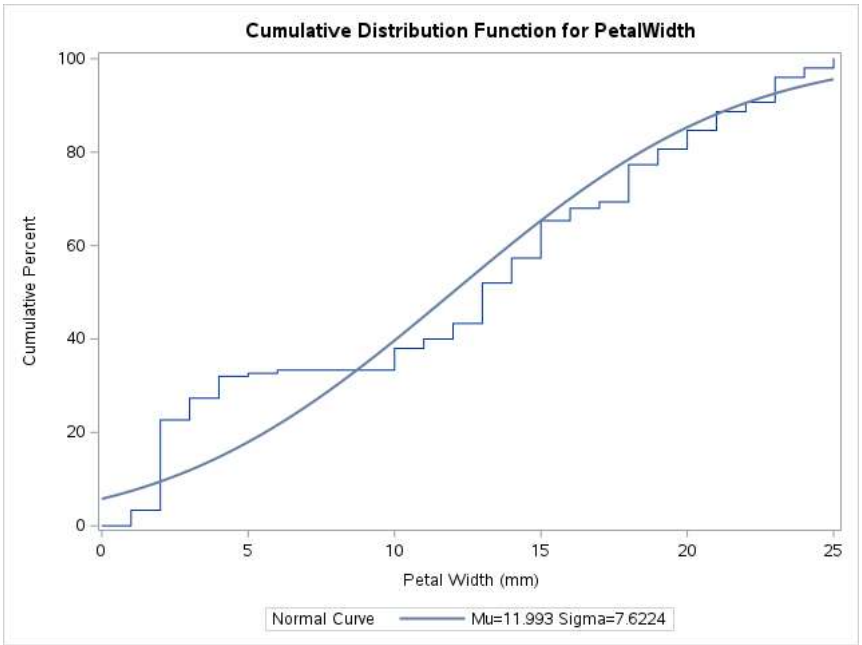
The UNIVARIATE Procedure
Variable: PetalWidth (Petal Width (mm))

Moments			
N	150	Sum Weights	150
Mean	11.9933333	Sum Observations	1799
Std Deviation	7.62237669	Variance	58.1006264
Skewness	-0.1029667	Kurtosis	-1.340604
Uncorrected SS	30233	Corrected SS	8656.99333
Coeff Variation	63.5551141	Std Error Mean	0.62236445

Basic Statistical Measures			
Location		Variability	
Mean	11.99333	Std Deviation	7.62238
Median	13.00000	Variance	58.10063
Mode	2.00000	Range	24.00000
		Interquartile Range	15.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	19.2706	Pr > |t|	<.0001
Sign	M	75	Pr >= |M|	<.0001
Signed Rank	S	5662.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	25
99%	25
95%	23
90%	22
75% Q3	18
50% Median	13
25% Q1	3
10%	2
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	43	24	128
1	38	24	149
1	28	25	111
1	18	25	144
1	8	25	150

The UNIVARIATE Procedure