

The UNIVARIATE Procedure
Variable: REACT

Moments			
N	10	Sum Weights	10
Mean	7.91	Sum Observations	79.1
Std Deviation	4.87589308	Variance	23.7743333
Skewness	1.74686564	Kurtosis	1.6177214
Uncorrected SS	839.65	Corrected SS	213.969
Coeff Variation	61.6421376	Std Error Mean	1.54189278

Basic Statistical Measures			
Location		Variability	
Mean	7.910000	Std Deviation	4.87589
Median	5.700000	Variance	23.77433
Mode	.	Range	13.40000
		Interquartile Range	1.90000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	5.130058	Pr > t 	0.0006
Sign	M	5	Pr >= M 	0.0020
Signed Rank	S	27.5	Pr >= S 	0.0020

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.656993	Pr < W	0.0003
Kolmogorov-Smirnov	D	0.38205	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.315825	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.628355	Pr > A-Sq	<0.0050

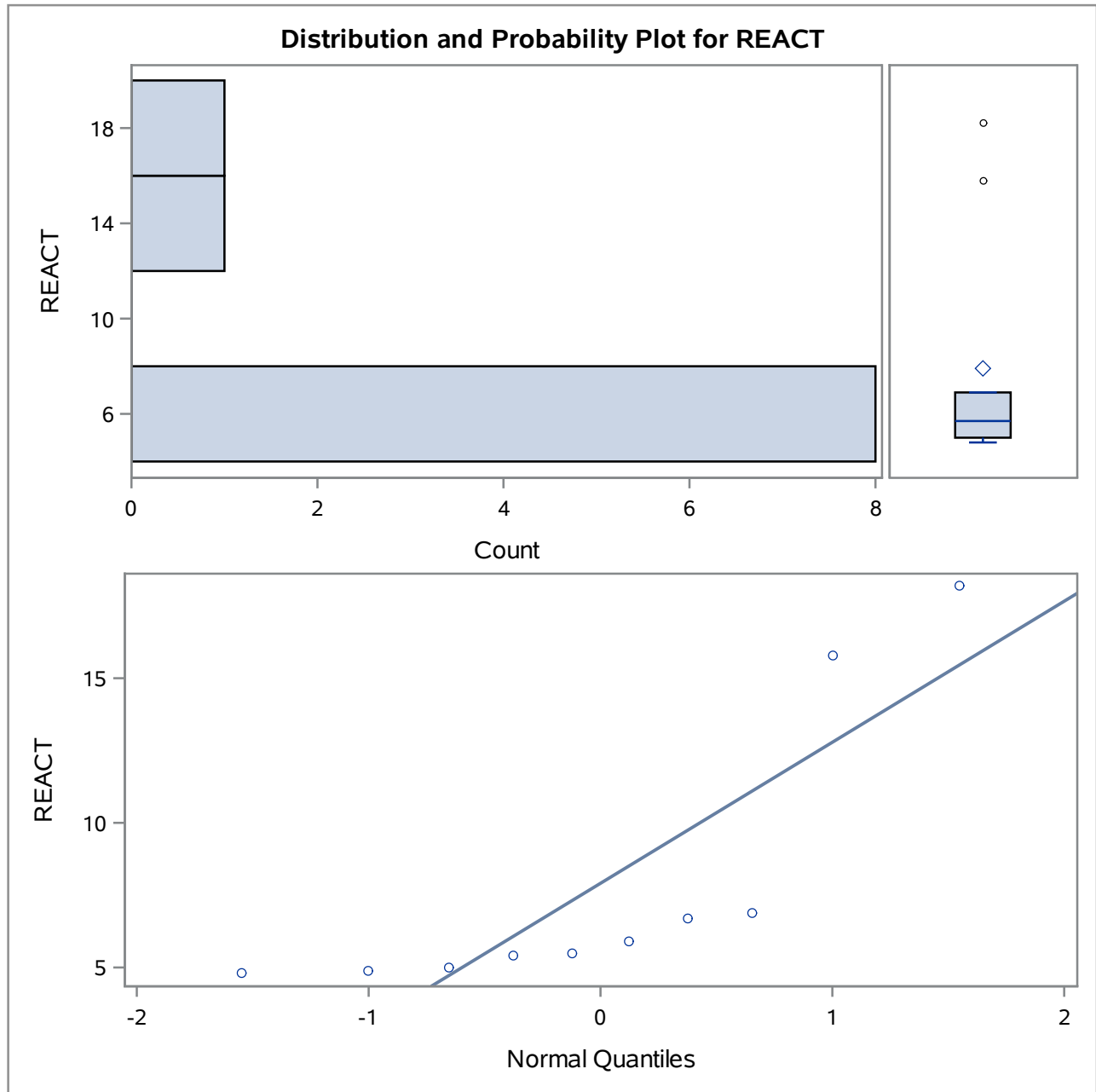
Quantiles (Definition 5)	
Level	Quantile
100% Max	18.20
99%	18.20
95%	18.20
90%	17.00
75% Q3	6.90
50% Median	5.70
25% Q1	5.00

The UNIVARIATE Procedure
Variable: REACT

Quantiles (Definition 5)	
Level	Quantile
10%	4.85
5%	4.80
1%	4.80
0% Min	4.80

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.8	3	5.9	2
4.9	6	6.7	8
5.0	7	6.9	4
5.4	1	15.8	5
5.5	10	18.2	9

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Variable: LIVER_WT

Moments			
N	10	Sum Weights	10
Mean	11.3	Sum Observations	113
Std Deviation	1.26403235	Variance	1.59777778
Skewness	0.61974656	Kurtosis	0.01693006
Uncorrected SS	1291.28	Corrected SS	14.38
Coeff Variation	11.186127	Std Error Mean	0.39972213

Basic Statistical Measures			
Location		Variability	
Mean	11.30000	Std Deviation	1.26403
Median	11.35000	Variance	1.59778
Mode	.	Range	4.00000
		Interquartile Range	1.80000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	28.26964	Pr > t 	<.0001
Sign	M	5	Pr >= M 	0.0020
Signed Rank	S	27.5	Pr >= S 	0.0020

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.924078	Pr < W	0.3922
Kolmogorov-Smirnov	D	0.153785	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.051401	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.341284	Pr > A-Sq	>0.2500

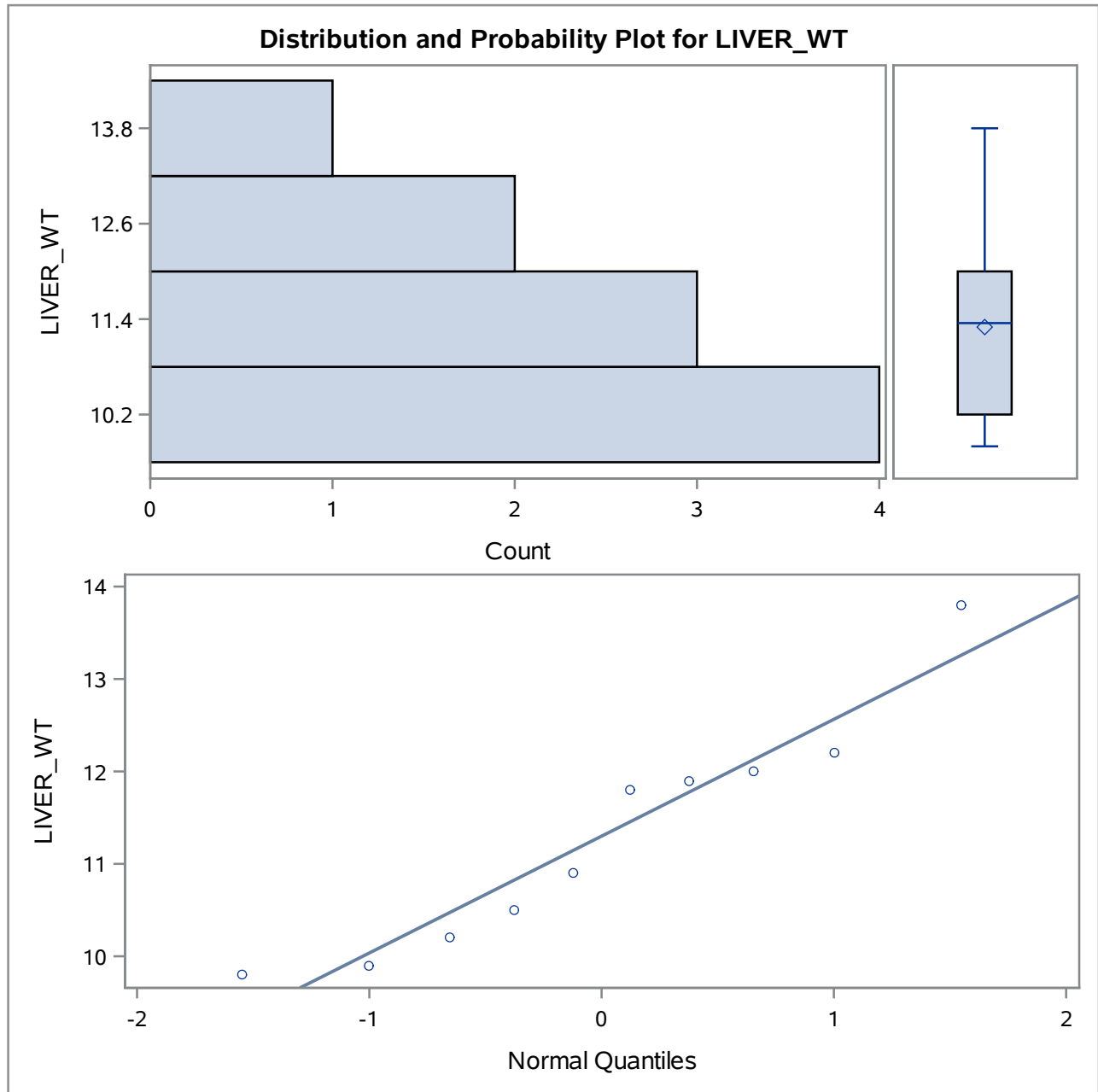
Quantiles (Definition 5)	
Level	Quantile
100% Max	13.80
99%	13.80
95%	13.80
90%	13.00
75% Q3	12.00
50% Median	11.35
25% Q1	10.20

The UNIVARIATE Procedure
Variable: LIVER_WT

Quantiles (Definition 5)	
Level	Quantile
10%	9.85
5%	9.80
1%	9.80
0% Min	9.80

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
9.8	2	11.8	4
9.9	10	11.9	9
10.2	1	12.0	7
10.5	8	12.2	3
10.9	5	13.8	6

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Variable: SPLEEN

Moments			
N	10	Sum Weights	10
Mean	8.16	Sum Observations	81.6
Std Deviation	0.95939796	Variance	0.92044444
Skewness	-0.5557112	Kurtosis	-1.3710424
Uncorrected SS	674.14	Corrected SS	8.284
Coeff Variation	11.7573279	Std Error Mean	0.30338827

Basic Statistical Measures			
Location		Variability	
Mean	8.160000	Std Deviation	0.95940
Median	8.400000	Variance	0.92044
Mode	9.100000	Range	2.50000
		Interquartile Range	1.70000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	26.89623	Pr > t 	<.0001
Sign	M	5	Pr >= M 	0.0020
Signed Rank	S	27.5	Pr >= S 	0.0020

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.865259	Pr < W	0.0880
Kolmogorov-Smirnov	D	0.247641	Pr > D	0.0814
Cramer-von Mises	W-Sq	0.090272	Pr > W-Sq	0.1354
Anderson-Darling	A-Sq	0.559109	Pr > A-Sq	0.1124

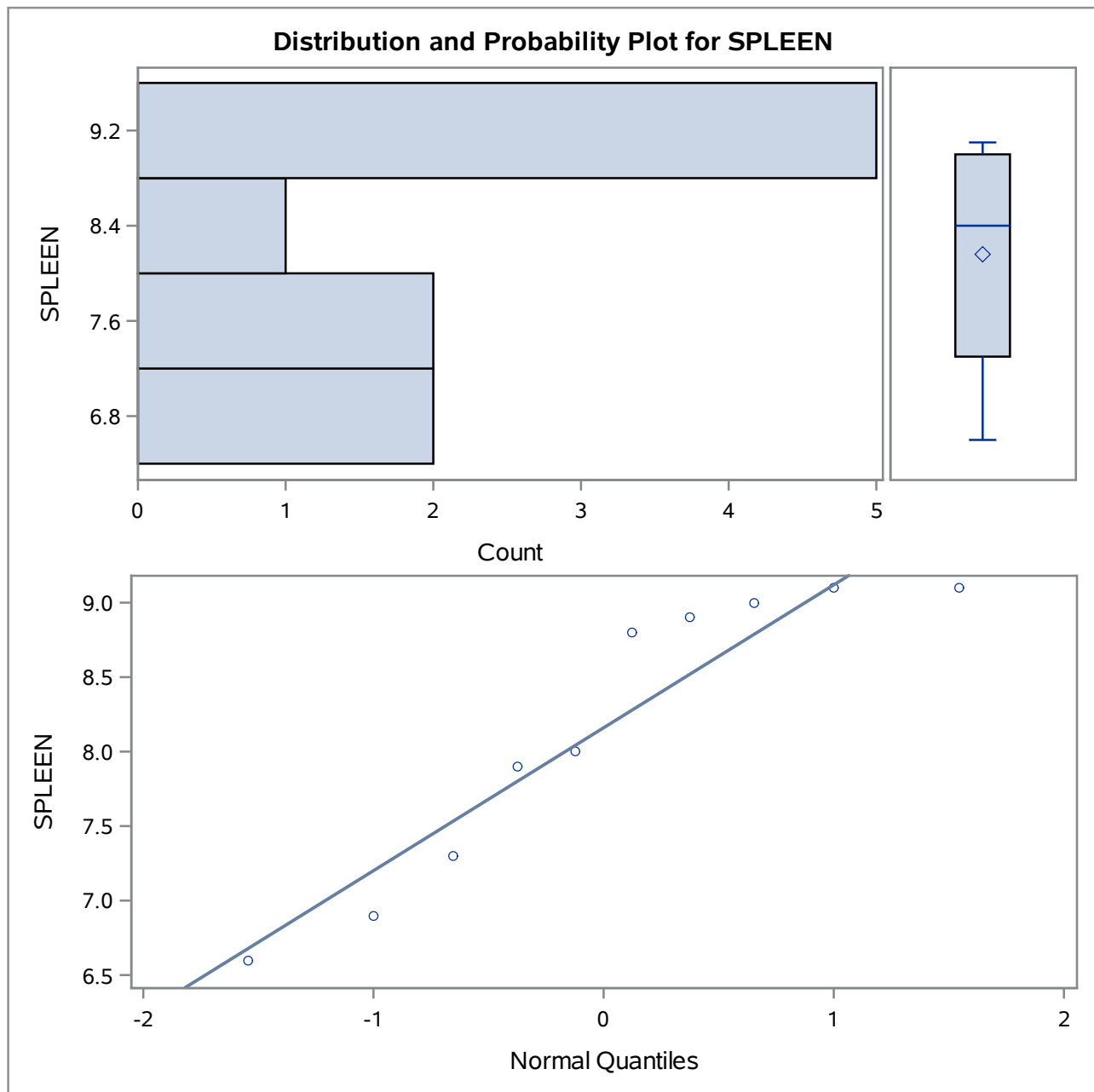
Quantiles (Definition 5)	
Level	Quantile
100% Max	9.10
99%	9.10
95%	9.10
90%	9.10
75% Q3	9.00
50% Median	8.40
25% Q1	7.30

The UNIVARIATE Procedure
Variable: SPLEEN

Quantiles (Definition 5)	
Level	Quantile
10%	6.75
5%	6.60
1%	6.60
0% Min	6.60

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
6.6	6	8.8	4
6.9	9	8.9	1
7.3	2	9.0	5
7.9	7	9.1	3
8.0	8	9.1	10

The UNIVARIATE Procedure



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: REACT

DOSE=1

Moments			
N	5	Sum Weights	5
Mean	7.76	Sum Observations	38.8
Std Deviation	4.55993421	Variance	20.793
Skewness	2.08111585	Kurtosis	4.42873197
Uncorrected SS	384.26	Corrected SS	83.172
Coeff Variation	58.7620388	Std Error Mean	2.03926457

Basic Statistical Measures			
Location		Variability	
Mean	7.760000	Std Deviation	4.55993
Median	5.900000	Variance	20.79300
Mode	.	Range	11.00000
		Interquartile Range	1.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	3.805293	Pr > t 	0.0190
Sign	M	2.5	Pr >= M 	0.0625
Signed Rank	S	7.5	Pr >= S 	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.707883	Pr < W	0.0116
Kolmogorov-Smirnov	D	0.374797	Pr > D	0.0209
Cramer-von Mises	W-Sq	0.145986	Pr > W-Sq	0.0187
Anderson-Darling	A-Sq	0.772171	Pr > A-Sq	0.0172

Quantiles (Definition 5)	
Level	Quantile
100% Max	15.8
99%	15.8
95%	15.8
90%	15.8
75% Q3	6.9

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: REACT

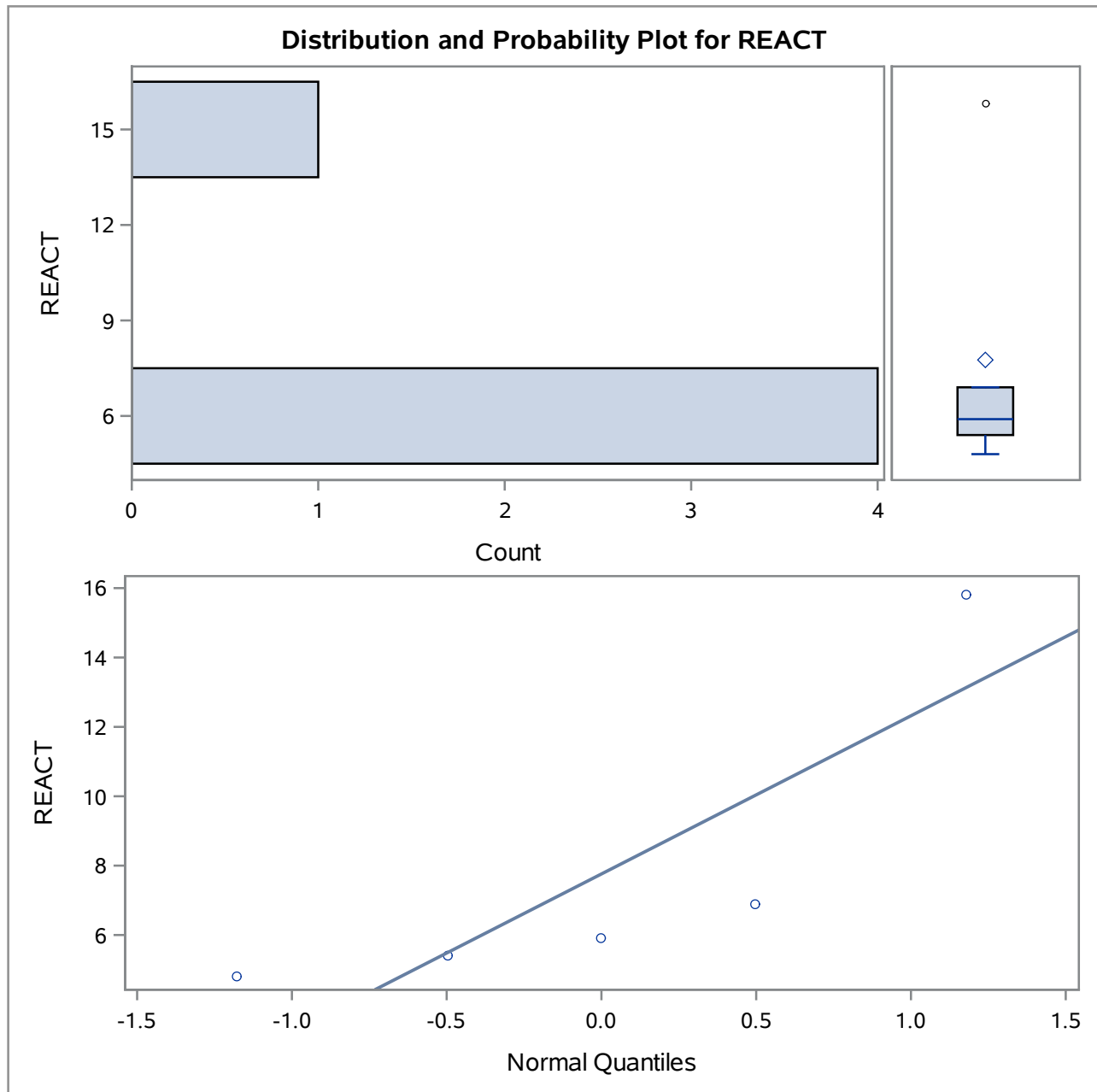
DOSE=1

Quantiles (Definition 5)	
Level	Quantile
50% Median	5.9
25% Q1	5.4
10%	4.8
5%	4.8
1%	4.8
0% Min	4.8

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.8	3	4.8	3
5.4	1	5.4	1
5.9	2	5.9	2
6.9	4	6.9	4
15.8	5	15.8	5

Distributions for Liver and Spleen Data by Dose**The UNIVARIATE Procedure**

DOSE=1



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: LIVER_WT

DOSE=1

Moments			
N	5	Sum Weights	5
Mean	10.98	Sum Observations	54.9
Std Deviation	1.02078401	Variance	1.042
Skewness	0.09758786	Kurtosis	-2.270825
Uncorrected SS	606.97	Corrected SS	4.168
Coeff Variation	9.29675785	Std Error Mean	0.45650849

Basic Statistical Measures			
Location		Variability	
Mean	10.98000	Std Deviation	1.02078
Median	10.90000	Variance	1.04200
Mode	.	Range	2.40000
		Interquartile Range	1.60000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	24.05213	Pr > t	<.0001
Sign	M	2.5	Pr >= M	0.0625
Signed Rank	S	7.5	Pr >= S	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.94184	Pr < W	0.6790
Kolmogorov-Smirnov	D	0.189101	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.032428	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.218264	Pr > A-Sq	>0.2500

Quantiles (Definition 5)	
Level	Quantile
100% Max	12.2
99%	12.2
95%	12.2
90%	12.2
75% Q3	11.8

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: LIVER_WT

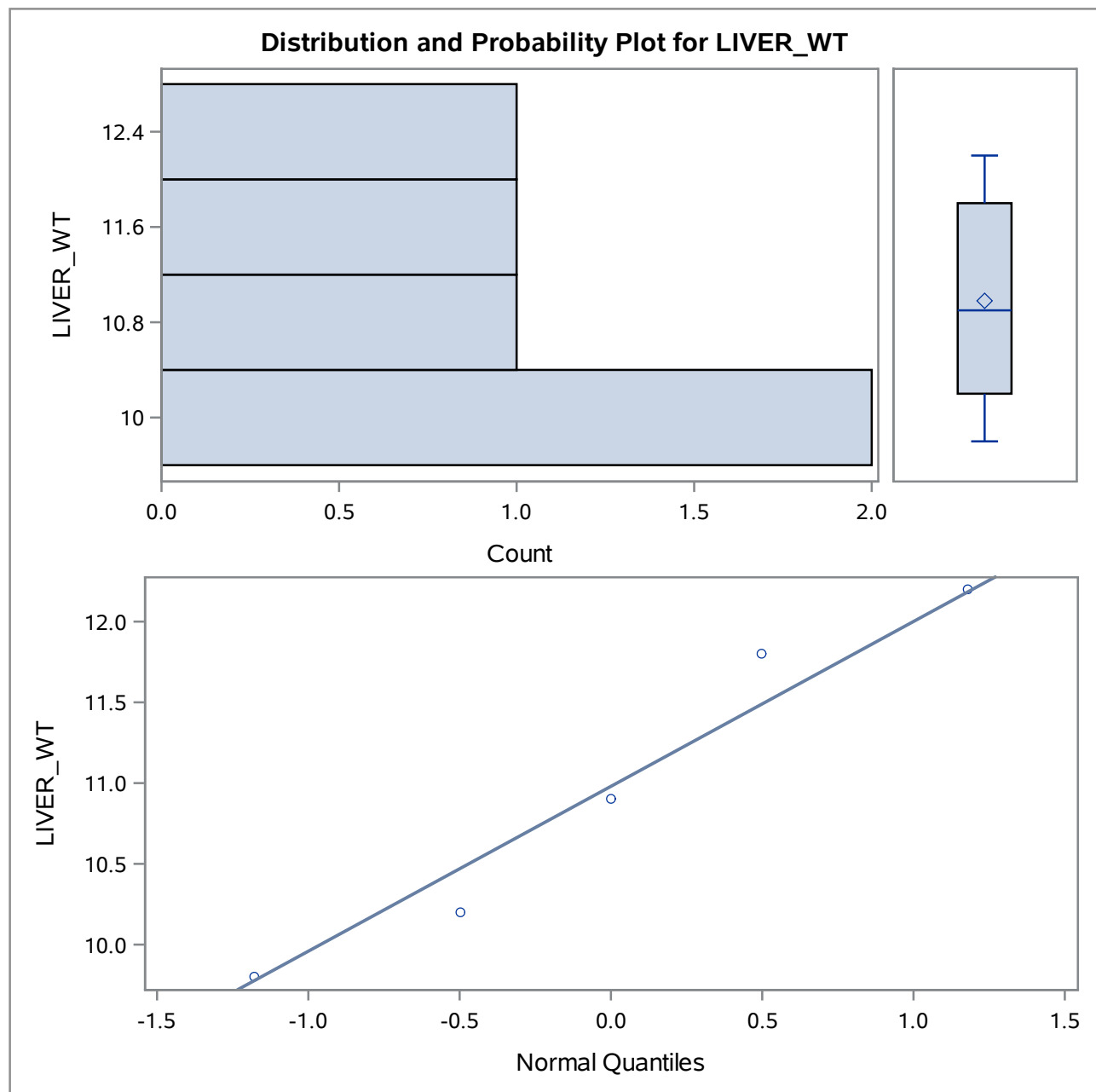
DOSE=1

Quantiles (Definition 5)	
Level	Quantile
50% Median	10.9
25% Q1	10.2
10%	9.8
5%	9.8
1%	9.8
0% Min	9.8

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
9.8	2	9.8	2
10.2	1	10.2	1
10.9	5	10.9	5
11.8	4	11.8	4
12.2	3	12.2	3

Distributions for Liver and Spleen Data by Dose**The UNIVARIATE Procedure**

DOSE=1



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: SPLEEN

DOSE=1

Moments			
N	5	Sum Weights	5
Mean	8.62	Sum Observations	43.1
Std Deviation	0.74632433	Variance	0.557
Skewness	-2.1116055	Kurtosis	4.55882211
Uncorrected SS	373.75	Corrected SS	2.228
Coeff Variation	8.65805483	Std Error Mean	0.33376639

Basic Statistical Measures			
Location		Variability	
Mean	8.620000	Std Deviation	0.74632
Median	8.900000	Variance	0.55700
Mode	.	Range	1.80000
		Interquartile Range	0.20000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	25.82645	Pr > t	<.0001
Sign	M	2.5	Pr >= M	0.0625
Signed Rank	S	7.5	Pr >= S	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.695281	Pr < W	0.0085
Kolmogorov-Smirnov	D	0.395293	Pr > D	0.0109
Cramer-von Mises	W-Sq	0.154683	Pr > W-Sq	0.0139
Anderson-Darling	A-Sq	0.808906	Pr > A-Sq	0.0130

Quantiles (Definition 5)	
Level	Quantile
100% Max	9.1
99%	9.1
95%	9.1
90%	9.1
75% Q3	9.0

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: SPLEEN

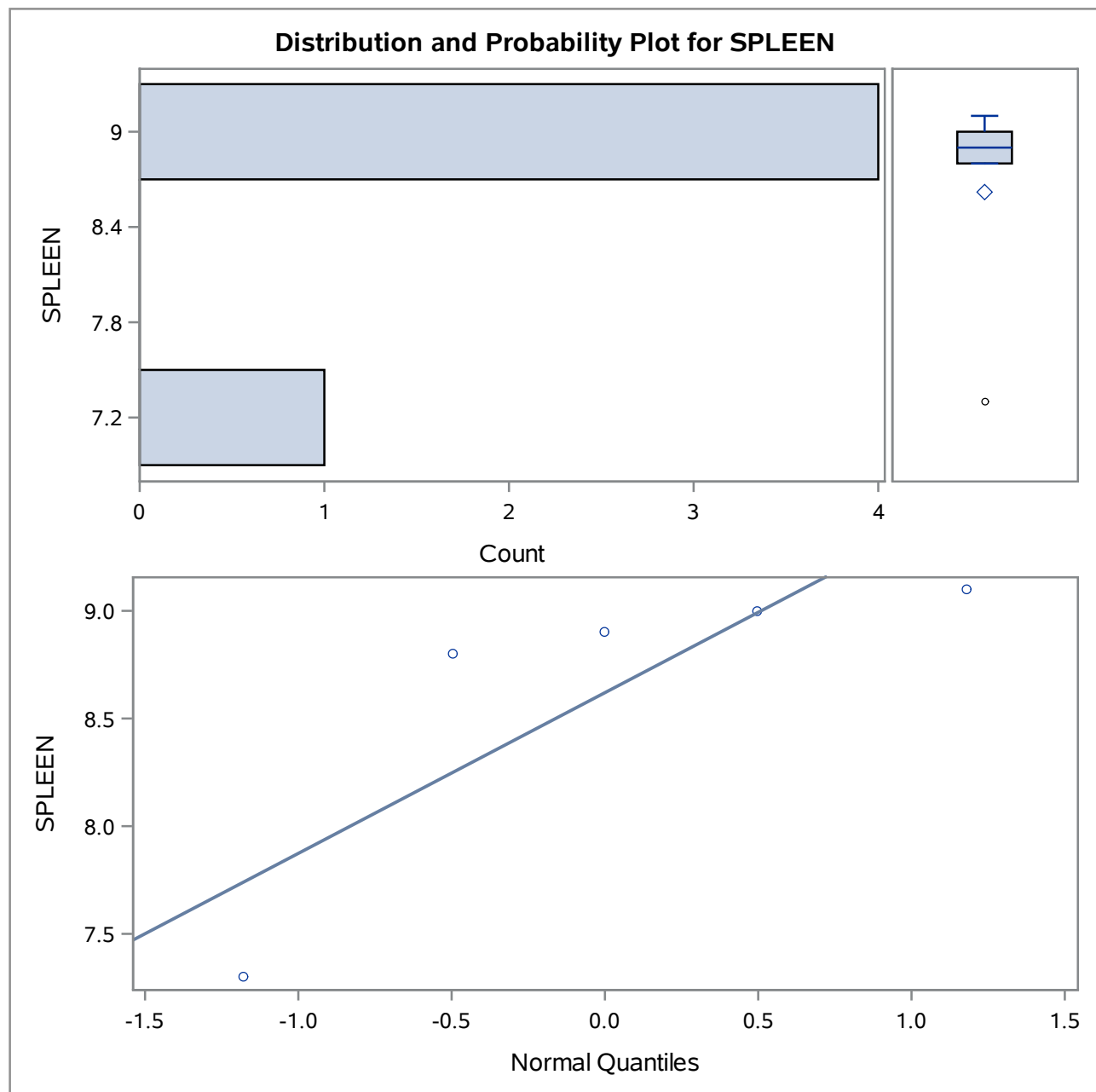
DOSE=1

Quantiles (Definition 5)	
Level	Quantile
50% Median	8.9
25% Q1	8.8
10%	7.3
5%	7.3
1%	7.3
0% Min	7.3

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
7.3	2	7.3	2
8.8	4	8.8	4
8.9	1	8.9	1
9.0	5	9.0	5
9.1	3	9.1	3

Distributions for Liver and Spleen Data by Dose**The UNIVARIATE Procedure**

DOSE=1



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: REACT

DOSE=2

Moments			
N	5	Sum Weights	5
Mean	8.06	Sum Observations	40.3
Std Deviation	5.71340529	Variance	32.643
Skewness	2.15164673	Kurtosis	4.67593424
Uncorrected SS	455.39	Corrected SS	130.572
Coeff Variation	70.8859217	Std Error Mean	2.55511252

Basic Statistical Measures			
Location		Variability	
Mean	8.060000	Std Deviation	5.71341
Median	5.500000	Variance	32.64300
Mode	.	Range	13.30000
		Interquartile Range	1.70000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	3.15446	Pr > t 	0.0344
Sign	M	2.5	Pr >= M 	0.0625
Signed Rank	S	7.5	Pr >= S 	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.655292	Pr < W	0.0031
Kolmogorov-Smirnov	D	0.394074	Pr > D	0.0115
Cramer-von Mises	W-Sq	0.173059	Pr > W-Sq	0.0073
Anderson-Darling	A-Sq	0.898316	Pr > A-Sq	0.0068

Quantiles (Definition 5)	
Level	Quantile
100% Max	18.2
99%	18.2
95%	18.2
90%	18.2
75% Q3	6.7

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: REACT

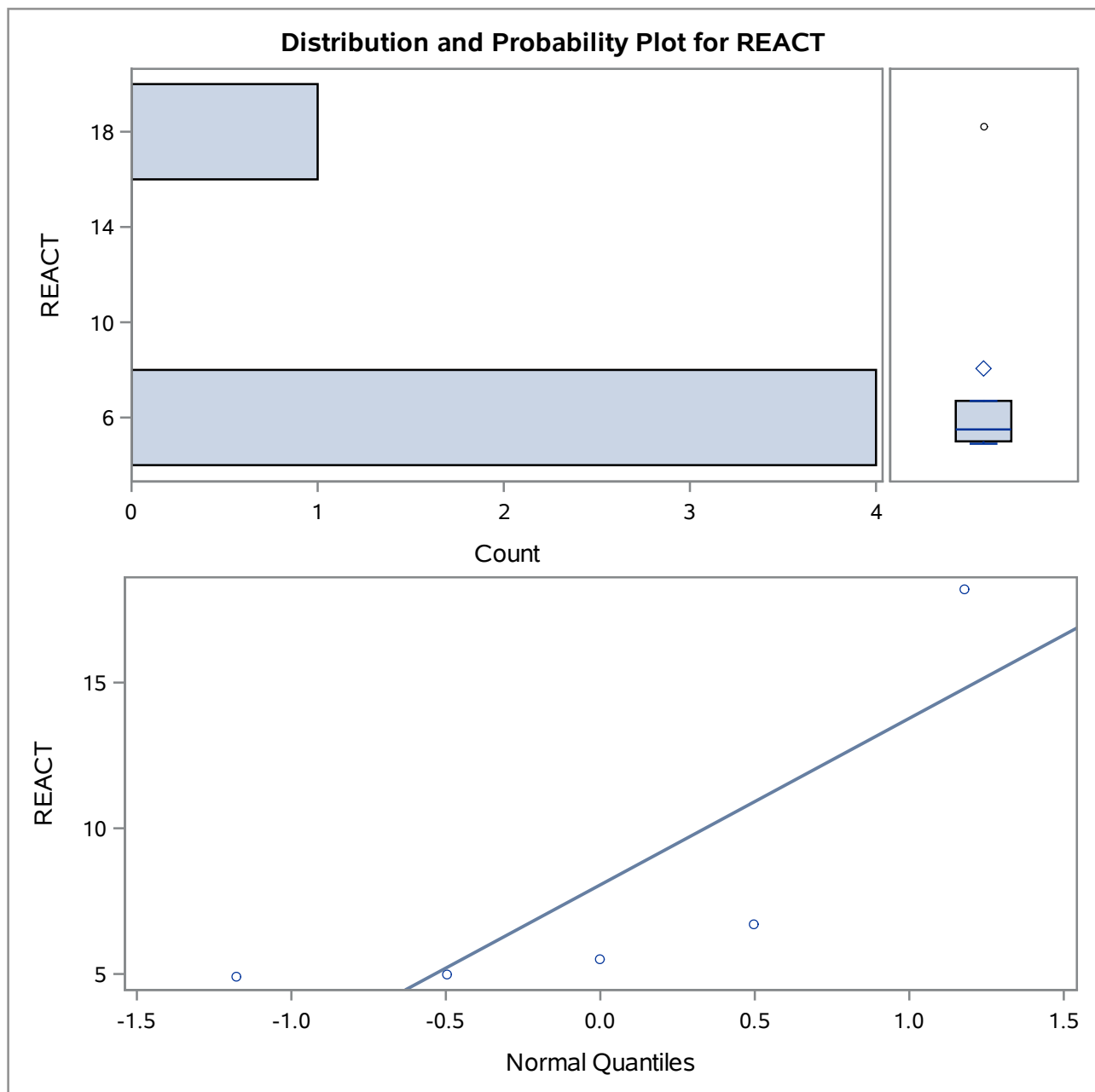
DOSE=2

Quantiles (Definition 5)	
Level	Quantile
50% Median	5.5
25% Q1	5.0
10%	4.9
5%	4.9
1%	4.9
0% Min	4.9

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.9	6	4.9	6
5.0	7	5.0	7
5.5	10	5.5	10
6.7	8	6.7	8
18.2	9	18.2	9

Distributions for Liver and Spleen Data by Dose**The UNIVARIATE Procedure**

DOSE=2



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: LIVER_WT

DOSE=2

Moments			
N	5	Sum Weights	5
Mean	11.62	Sum Observations	58.1
Std Deviation	1.5155857	Variance	2.297
Skewness	0.47200754	Kurtosis	-0.1965862
Uncorrected SS	684.31	Corrected SS	9.188
Coeff Variation	13.0429062	Std Error Mean	0.67779053

Basic Statistical Measures			
Location		Variability	
Mean	11.62000	Std Deviation	1.51559
Median	11.90000	Variance	2.29700
Mode	.	Range	3.90000
		Interquartile Range	1.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	17.14394	Pr > t 	<.0001
Sign	M	2.5	Pr >= M 	0.0625
Signed Rank	S	7.5	Pr >= S 	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.949815	Pr < W	0.7359
Kolmogorov-Smirnov	D	0.201012	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.03856	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.237599	Pr > A-Sq	>0.2500

Quantiles (Definition 5)	
Level	Quantile
100% Max	13.8
99%	13.8
95%	13.8
90%	13.8
75% Q3	12.0

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: LIVER_WT

DOSE=2

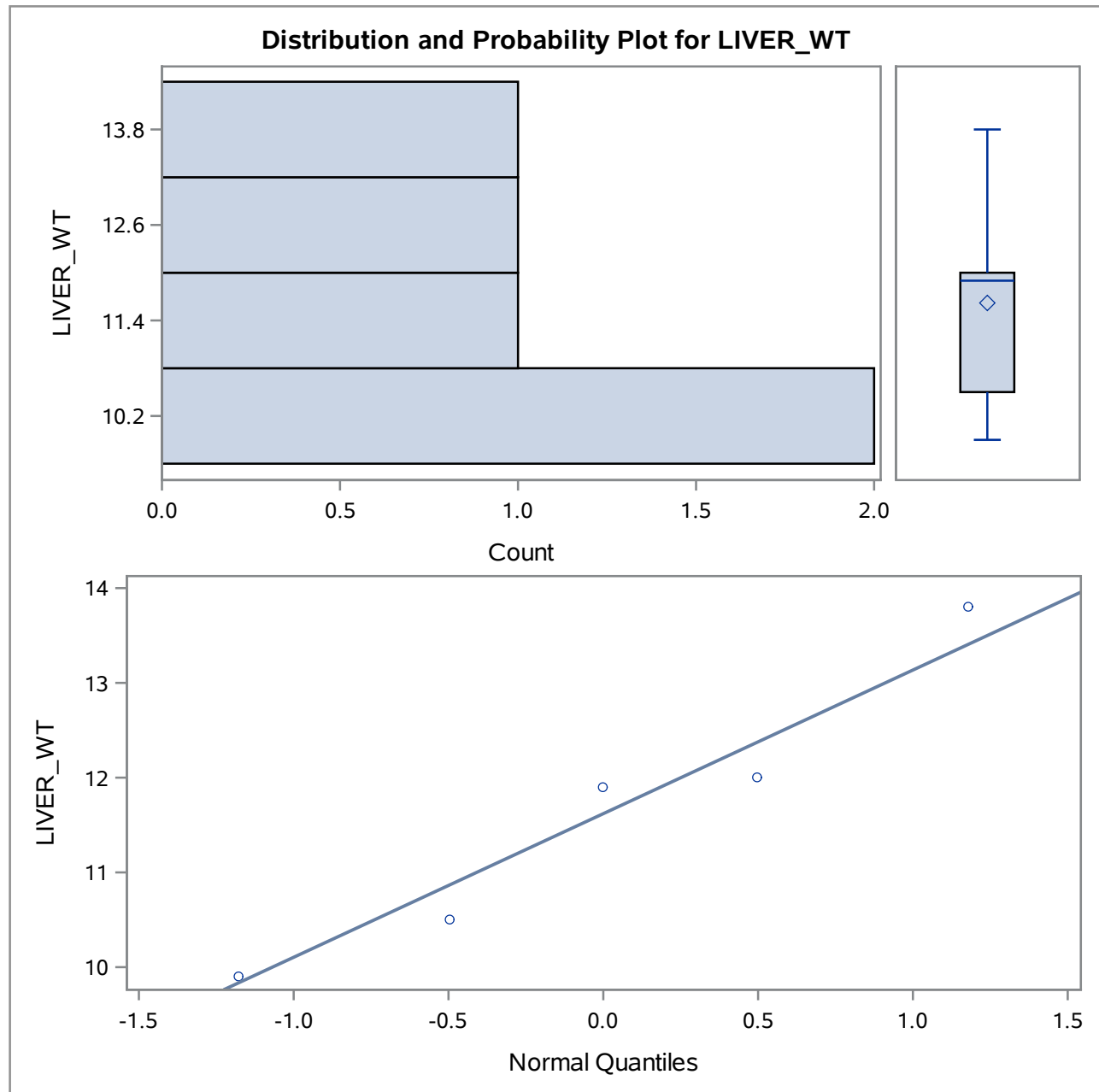
Quantiles (Definition 5)	
Level	Quantile
50% Median	11.9
25% Q1	10.5
10%	9.9
5%	9.9
1%	9.9
0% Min	9.9

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
9.9	10	9.9	10
10.5	8	10.5	8
11.9	9	11.9	9
12.0	7	12.0	7
13.8	6	13.8	6

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure

DOSE=2



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: SPLEEN

DOSE=2

Moments			
N	5	Sum Weights	5
Mean	7.7	Sum Observations	38.5
Std Deviation	0.99247166	Variance	0.985
Skewness	0.39894246	Kurtosis	-0.6241336
Uncorrected SS	300.39	Corrected SS	3.94
Coeff Variation	12.8892424	Std Error Mean	0.44384682

Basic Statistical Measures			
Location		Variability	
Mean	7.700000	Std Deviation	0.99247
Median	7.900000	Variance	0.98500
Mode	.	Range	2.50000
		Interquartile Range	1.10000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	17.34833	Pr > t 	<.0001
Sign	M	2.5	Pr >= M 	0.0625
Signed Rank	S	7.5	Pr >= S 	0.0625

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.942561	Pr < W	0.6841
Kolmogorov-Smirnov	D	0.189898	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.039302	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.245613	Pr > A-Sq	>0.2500

Quantiles (Definition 5)	
Level	Quantile
100% Max	9.1
99%	9.1
95%	9.1
90%	9.1
75% Q3	8.0

Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure Variable: SPLEEN

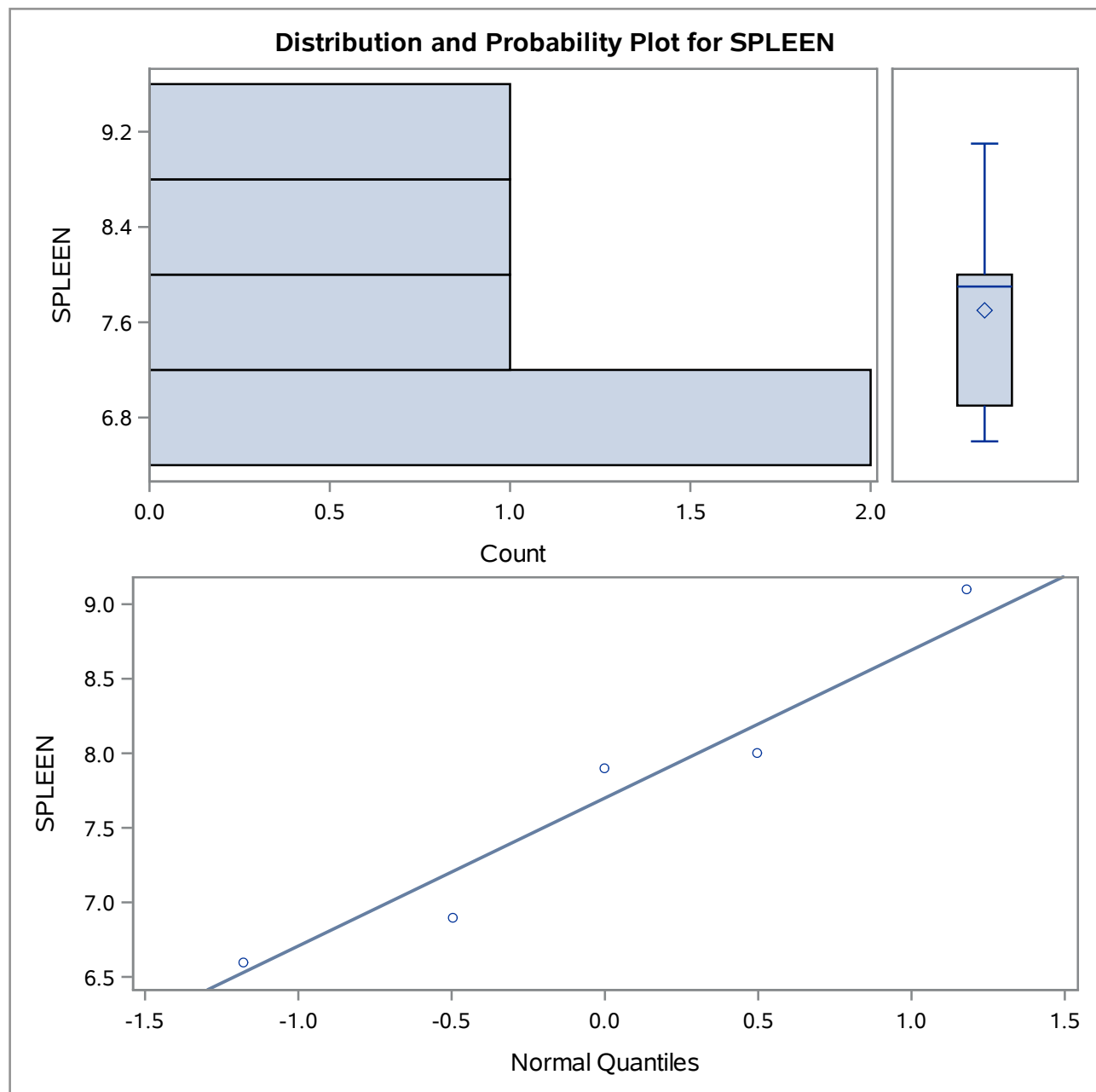
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Quantiles (Definition 5)	
Level	Quantile
50% Median	7.9
25% Q1	6.9
10%	6.6
5%	6.6
1%	6.6
0% Min	6.6

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
6.6	6	6.6	6
6.9	9	6.9	9
7.9	7	7.9	7
8.0	8	8.0	8
9.1	10	9.1	10

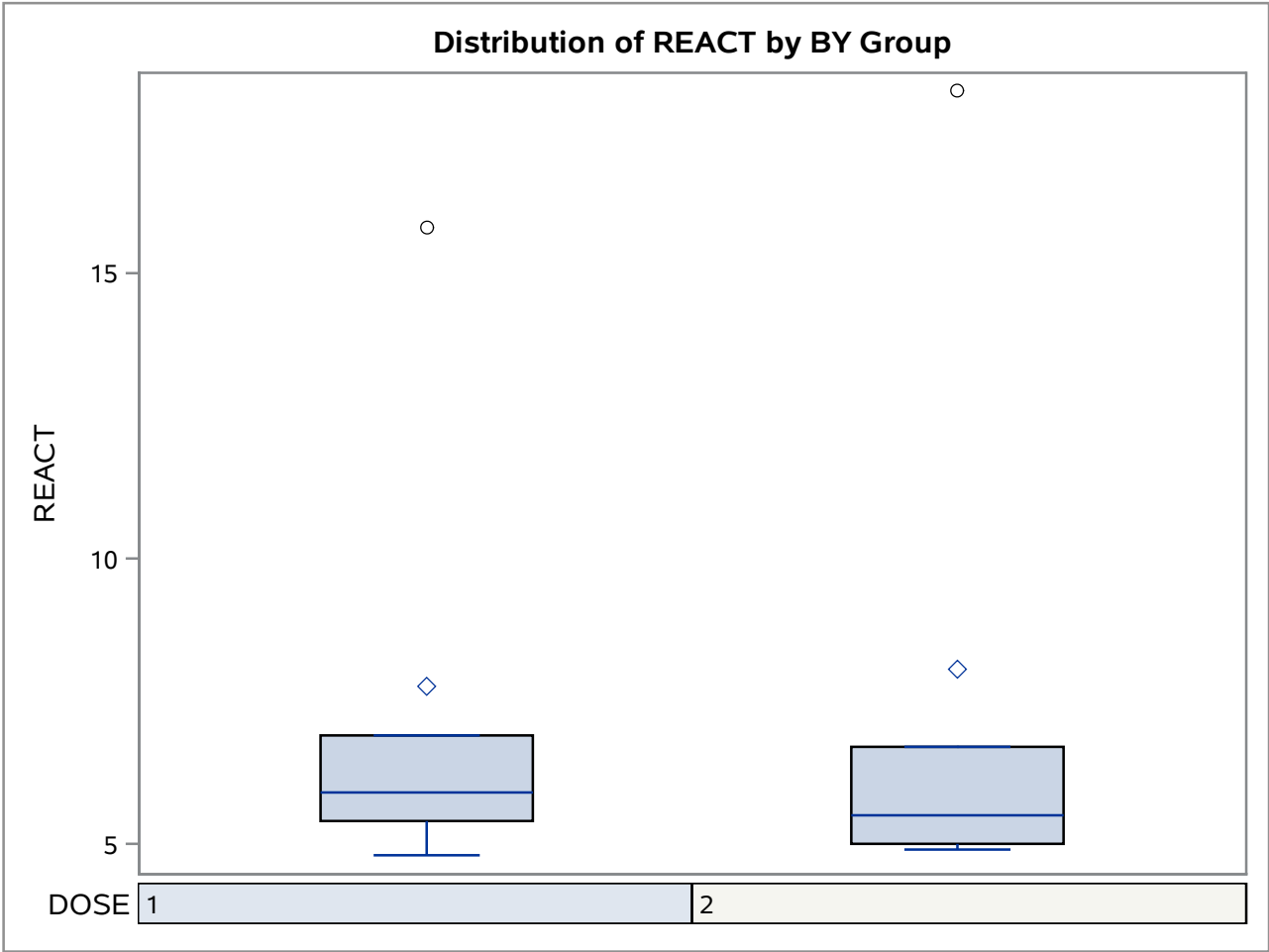
Distributions for Liver and Spleen Data by Dose**The UNIVARIATE Procedure**

DOSE=2



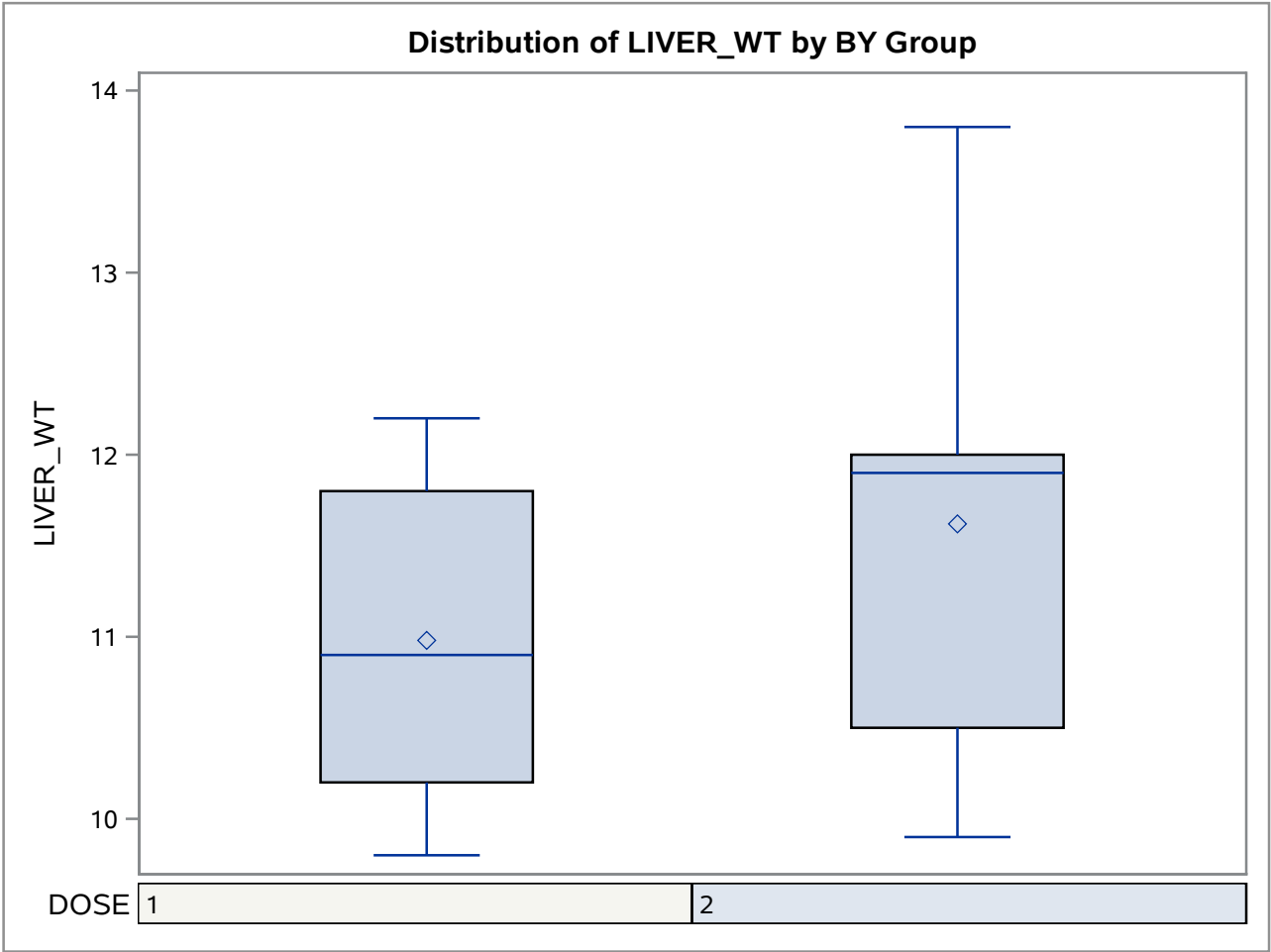
Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure



Distributions for Liver and Spleen Data by Dose

The UNIVARIATE Procedure

