

The SAS System

The UNIVARIATE Procedure Variable: pemax (pemax)

Moments			
N	25	Sum Weights	25
Mean	109.12	Sum Observations	2728
Std Deviation	33.4369058	Variance	1118.02667
Skewness	1.07127096	Kurtosis	0.47299602
Uncorrected SS	324512	Corrected SS	26832.64
Coeff Variation	30.6423257	Std Error Mean	6.68738115

Basic Statistical Measures			
Location		Variability	
Mean	109.1200	Std Deviation	33.43691
Median	95.0000	Variance	1118
Mode	85.0000	Range	130.00000
		Interquartile Range	45.00000

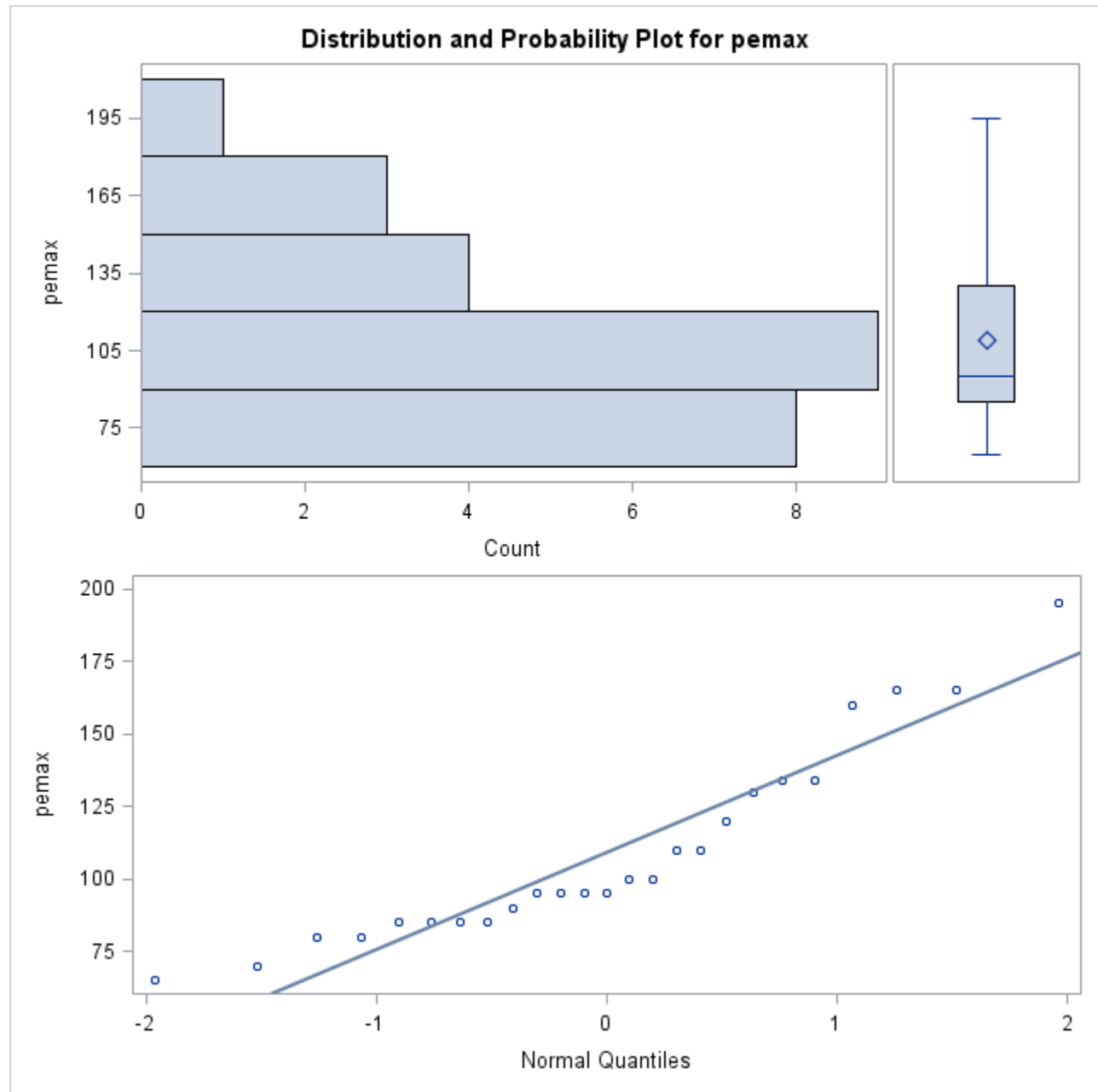
Note: The mode displayed is the smallest of 2 modes with a count of 4.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	16.3173	Pr > t 	<.0001
Sign	M	12.5	Pr >= M 	<.0001
Signed Rank	S	162.5	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	195
99%	195
95%	165
90%	165
75% Q3	130
50% Median	95
25% Q1	85
10%	80
5%	70
1%	65
0% Min	65

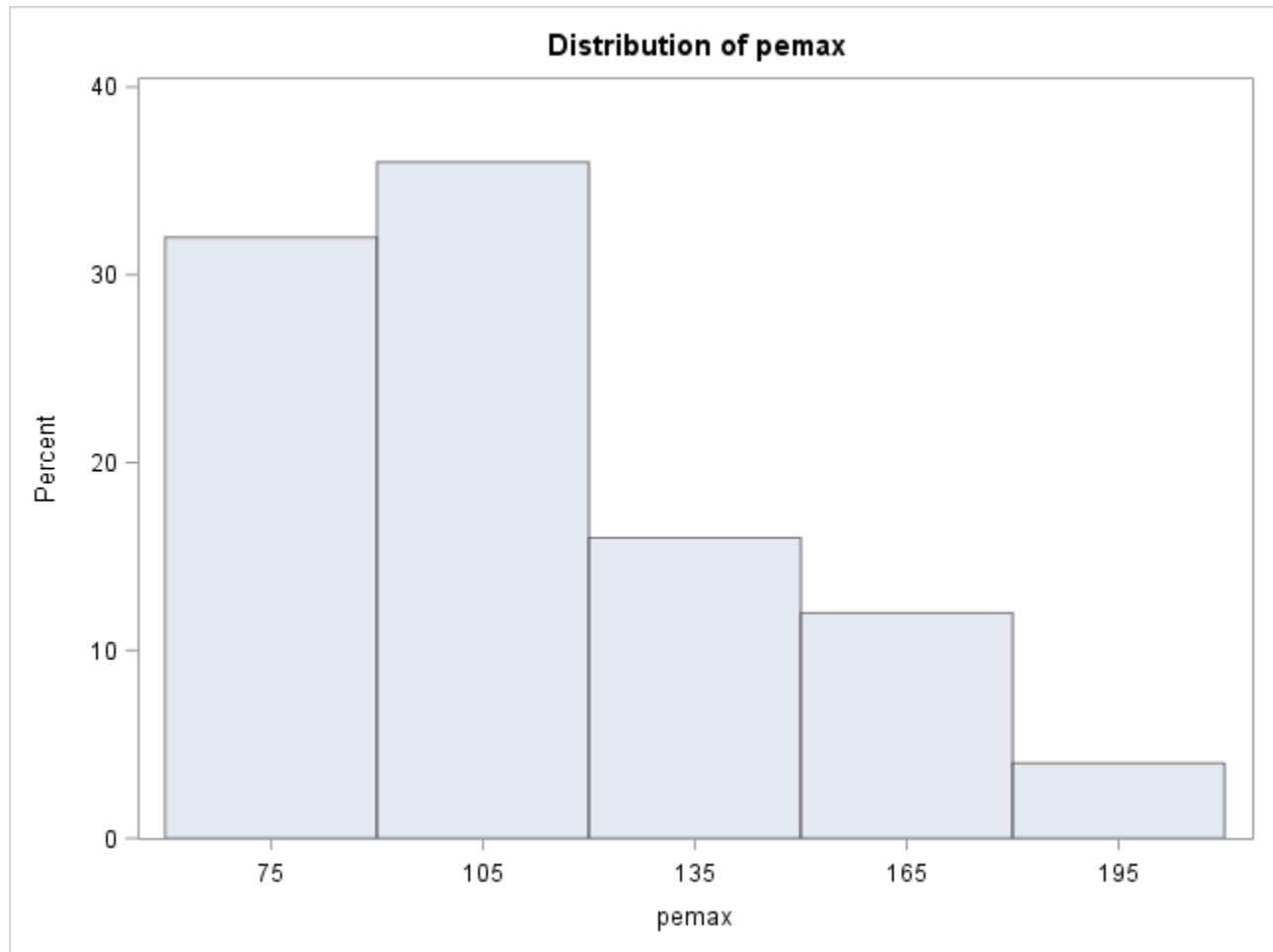
Extreme Observations	

Lowest		Highest	
Value	Obs	Value	Obs
65	7	134	16
70	9	160	22
80	14	165	17
80	6	165	23
85	21	195	25



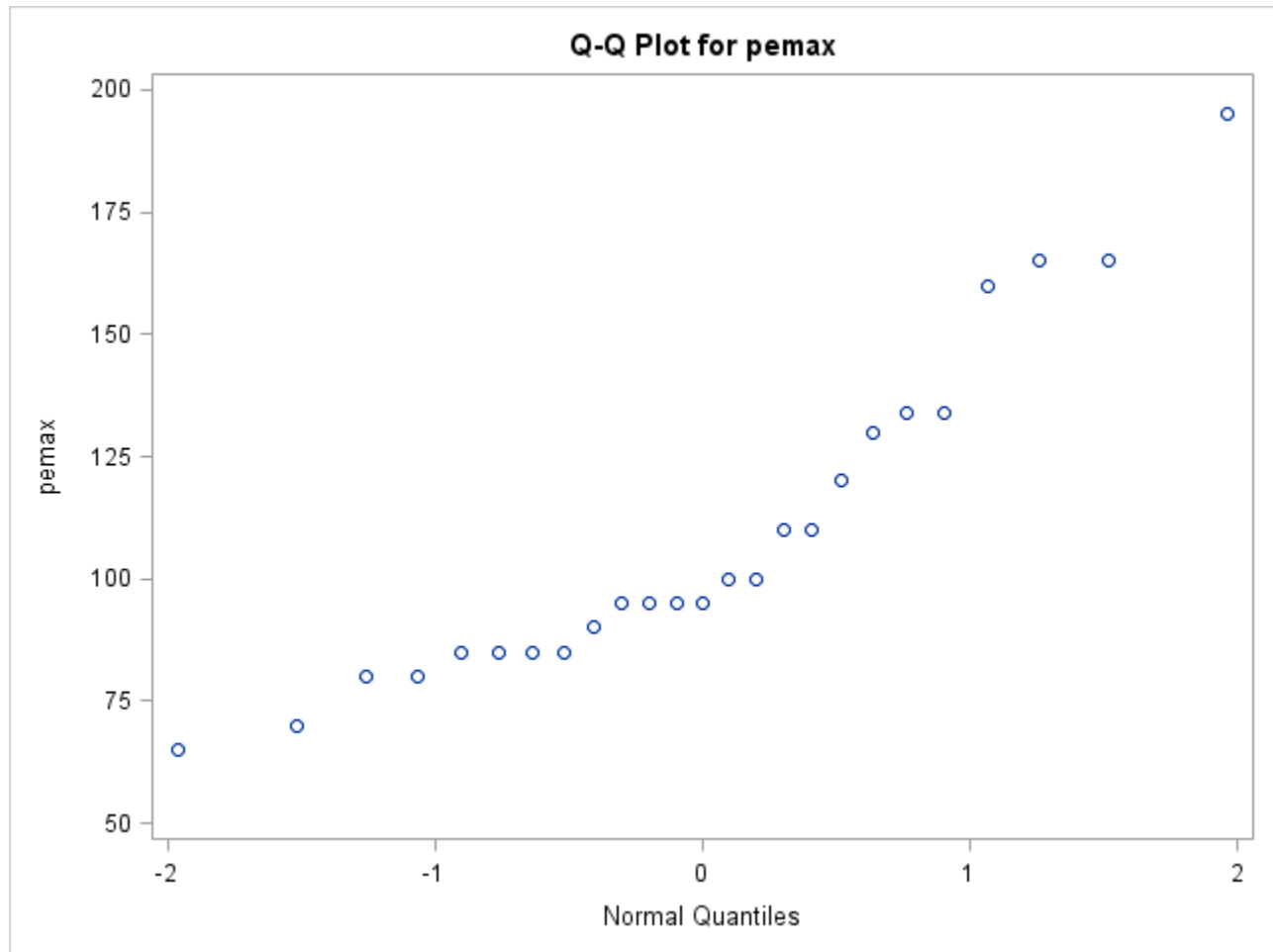
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The UNIVARIATE Procedure



The SAS System

The UNIVARIATE Procedure



The SAS System

The UNIVARIATE Procedure Variable: weight (weight)

Moments			
N	25	Sum Weights	25
Mean	38.404	Sum Observations	960.1
Std Deviation	17.8981256	Variance	320.3429
Skewness	0.31955752	Kurtosis	-0.6550118
Uncorrected SS	44559.91	Corrected SS	7688.2296
Coeff Variation	46.6048474	Std Error Mean	3.57962512

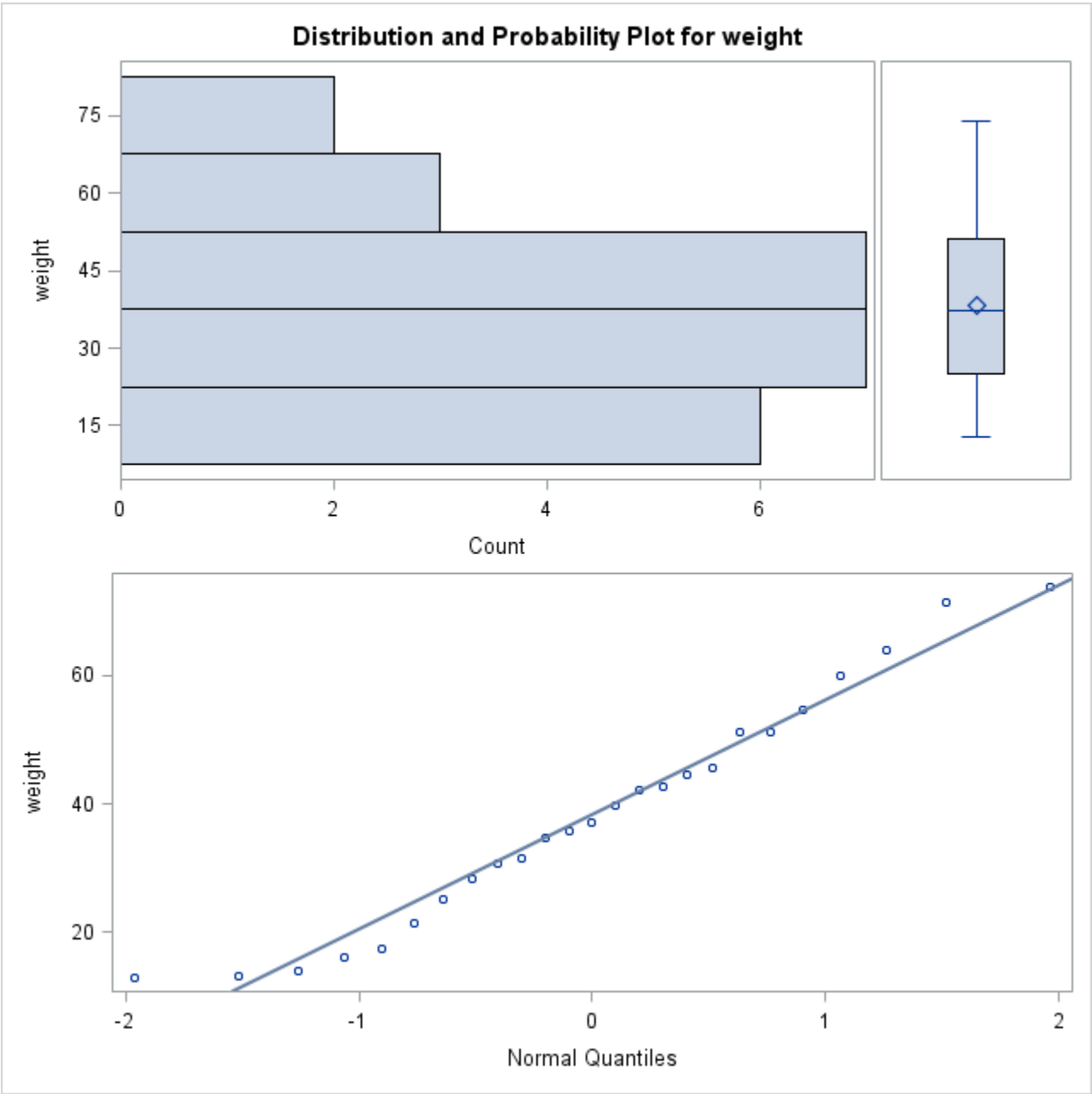
Basic Statistical Measures			
Location		Variability	
Mean	38.40400	Std Deviation	17.89813
Median	37.20000	Variance	320.34290
Mode	.	Range	60.90000
		Interquartile Range	26.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	10.7285	Pr > t 	<.0001
Sign	M	12.5	Pr >= M 	<.0001
Signed Rank	S	162.5	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	73.8
99%	73.8
95%	71.5
90%	64.0
75% Q3	51.1
50% Median	37.2
25% Q1	25.1
10%	14.1
5%	13.1
1%	12.9
0% Min	12.9

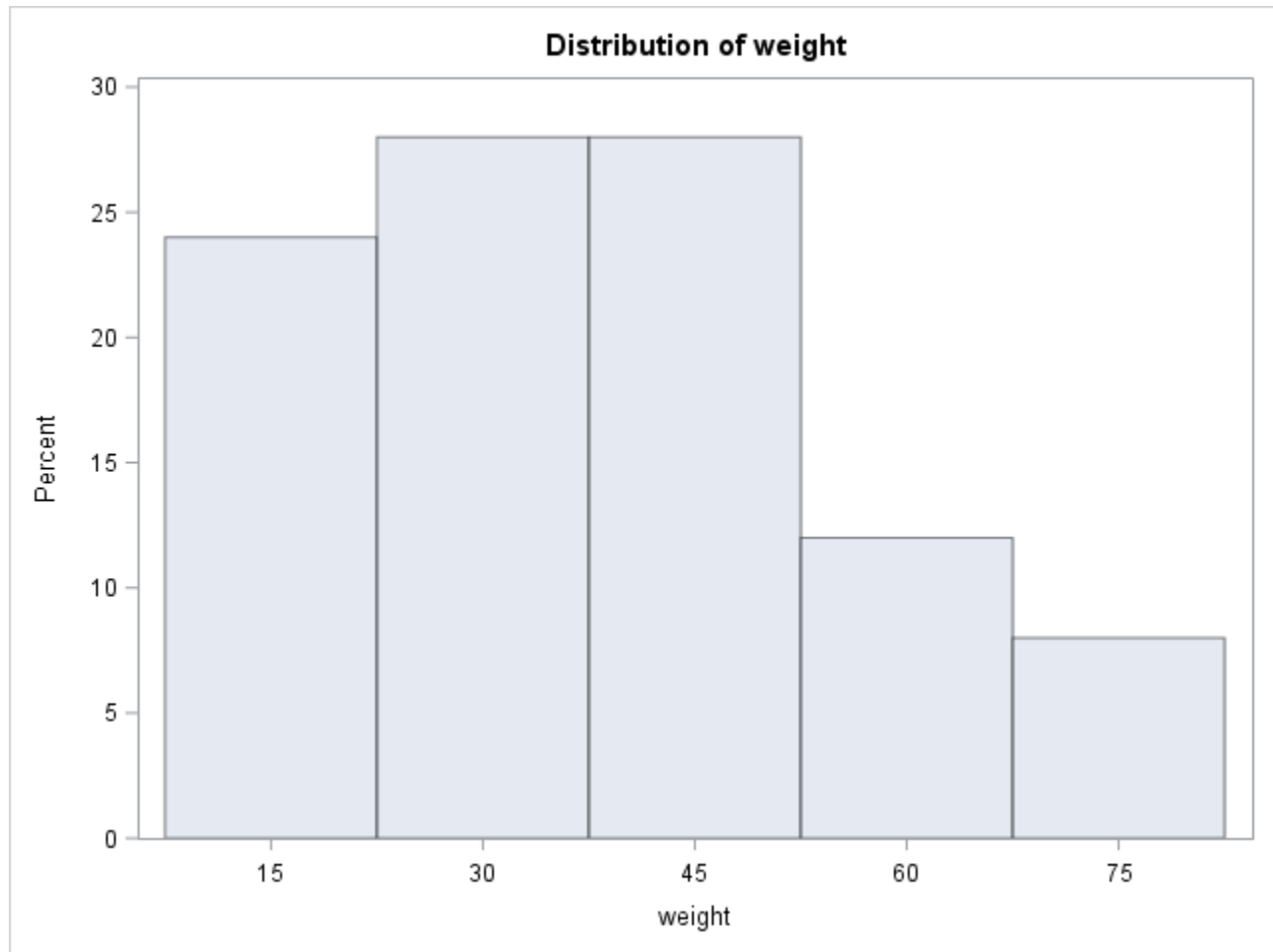
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs

12.9	2	54.6	21
13.1	1	60.1	18
14.1	3	64.0	22
16.2	4	71.5	25
17.5	6	73.8	23



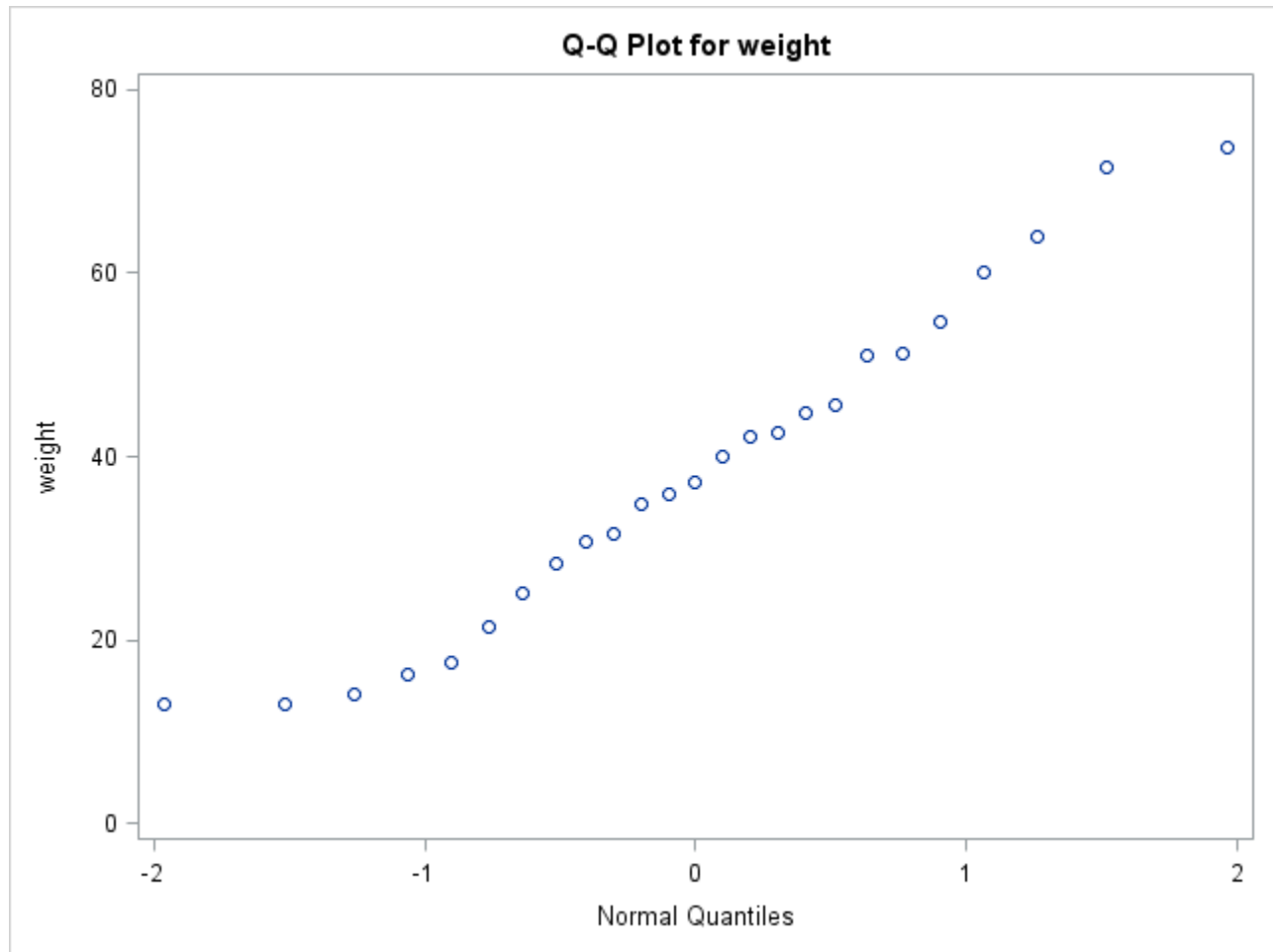
The SAS System

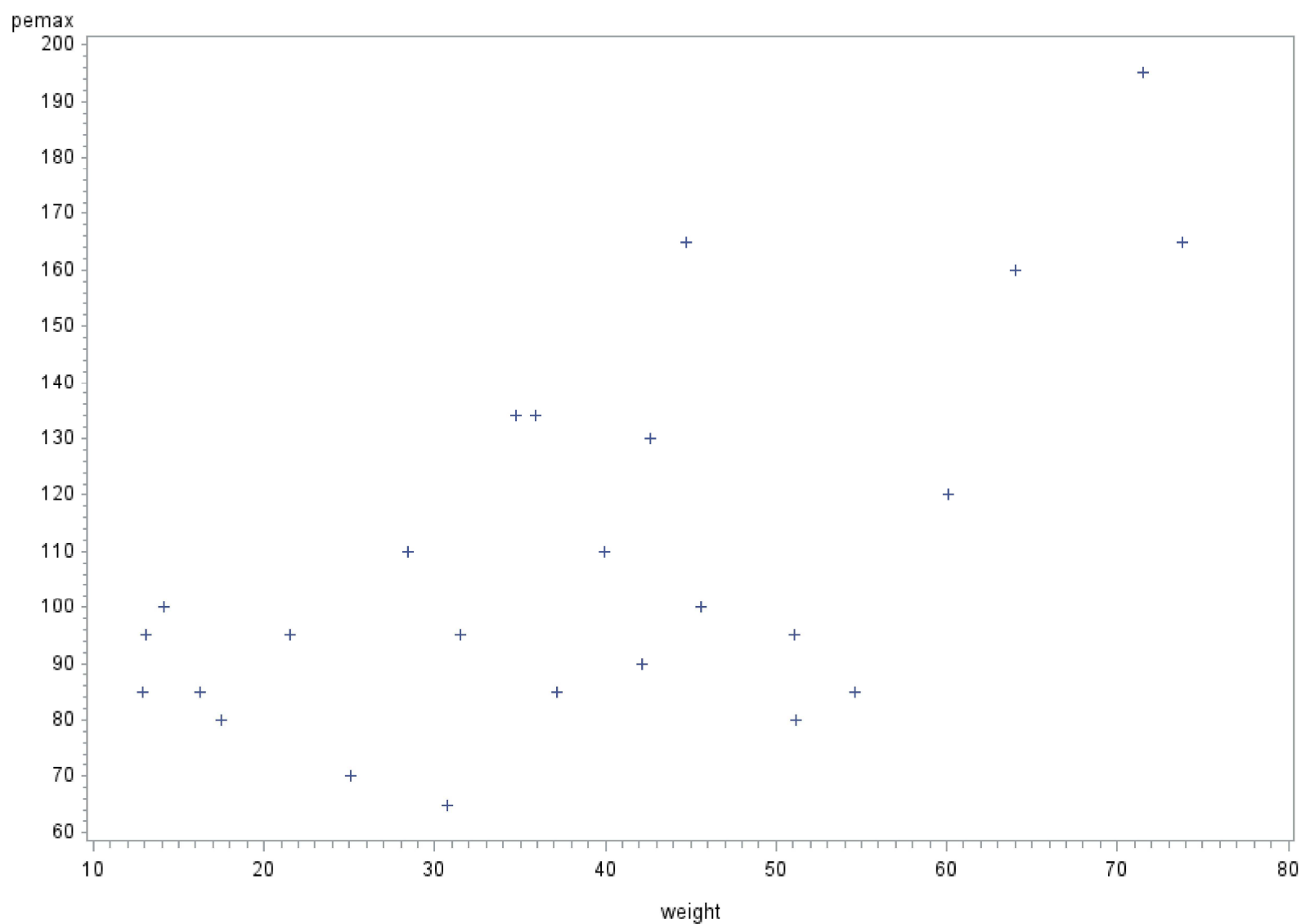
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The SAS System

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The SAS System

The REG Procedure

Model: MODEL1

Dependent Variable: pemax pemax

Number of Observations Read	25
Number of Observations Used	25

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	10827	10827	15.56	0.0006
Error	23	16005	695.89049		
Corrected Total	24	26833			

Root MSE	26.37974	R-Square	0.4035
Dependent Mean	109.12000	Adj R-Sq	0.3776
Coeff Var	24.17498		

Parameter Estimates								
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	95% Confidence Limits	
Intercept	Intercept	1	63.54564	12.70163	5.00	<.0001	37.27032	89.82097
weight	weight	1	1.18671	0.30086	3.94	0.0006	0.56434	1.80907

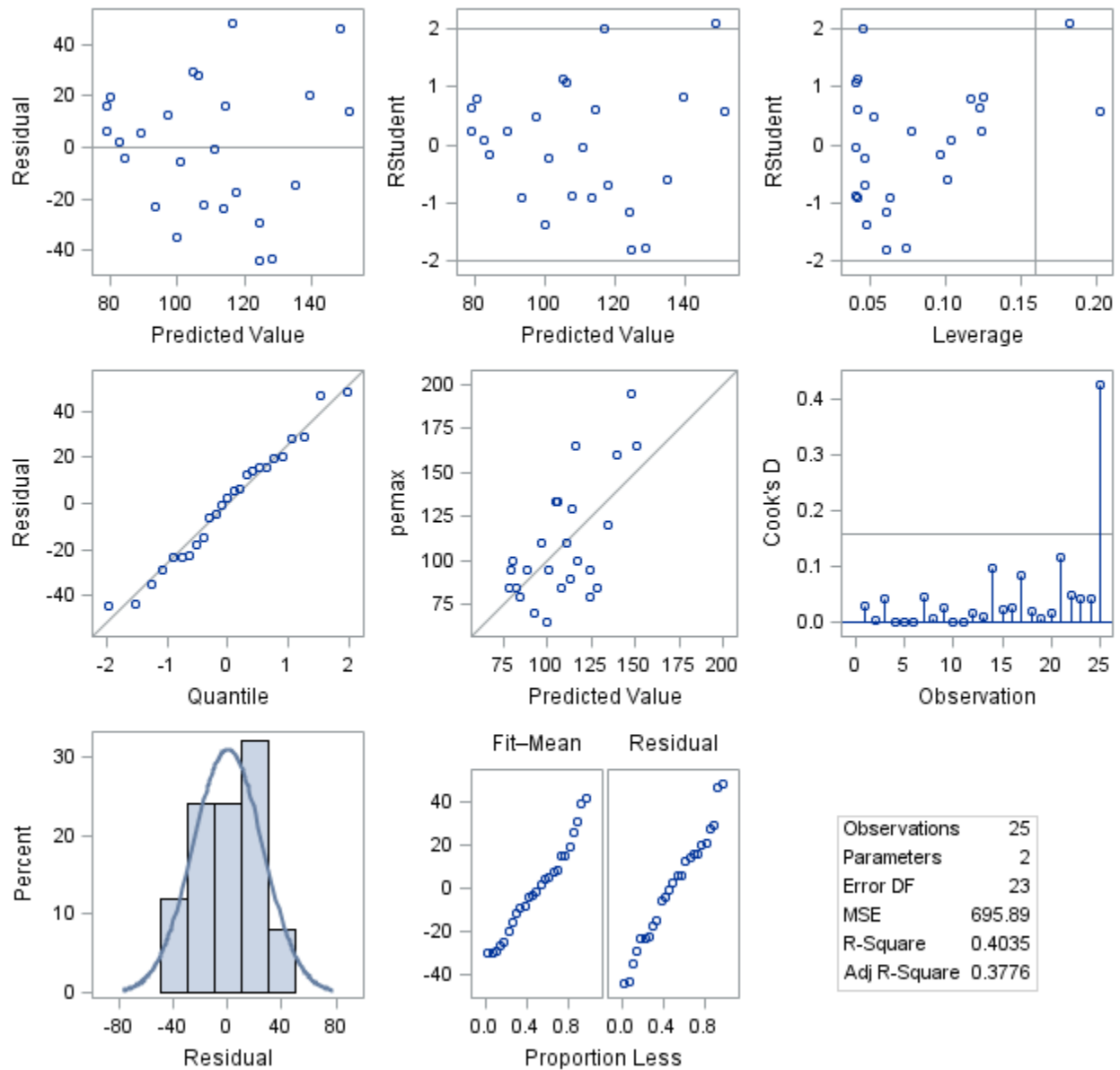
The SAS System

The REG Procedure

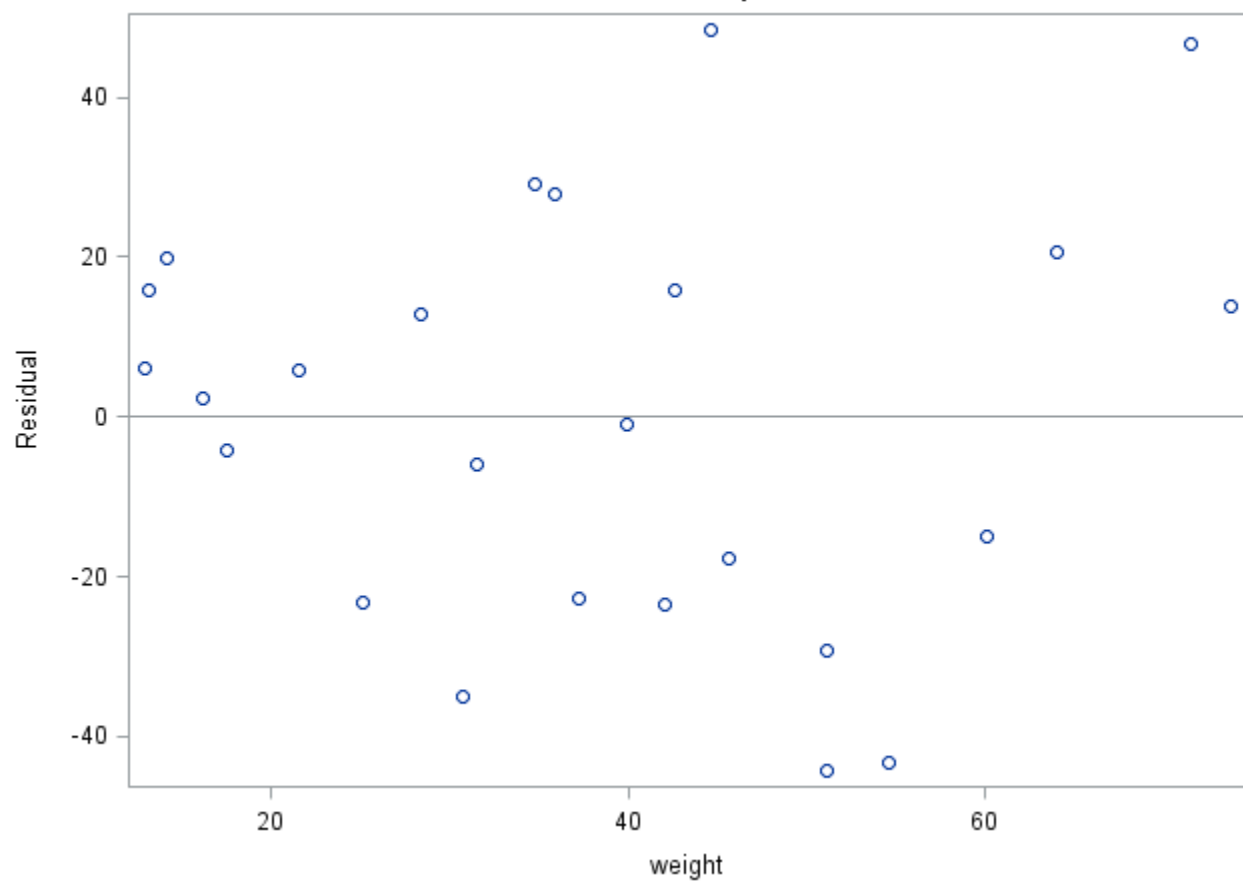
Model: MODEL1

Dependent Variable: pemax pemax

Fit Diagnostics for pemax



Residuals for pemax



Fit Plot for pemax

