The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
mpg	26	20.9230769	4.7575042	14.0000000	35.0000000
weight1	26	3.0992308	0.6950794	2.0200000	4.3300000
price	26	6651.73	3371.12	3299.00	15906.00
foreign	26	0.2692308	0.4523443	0	1.0000000

The UNIVARIATE Procedure
Variable: mpg

Moments			
N	26	Sum Weights	26
Mean	20.9230769	Sum Observations	544
Std Deviation	4.75750419	Variance	22.6338462
Skewness	0.93547297	Kurtosis	1.79270004
Uncorrected SS	11948	Corrected SS	565.846154
Coeff Variation	22.7380715	Std Error Mean	0.93302334

Basic Statistical Measures			
Location		Variability	
Mean	20.92308	Std Deviation	4.75750
Median	21.00000	Variance	22.63385
Mode	22.00000	Range	21.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	22.42503	Pr > |t|	<.0001
Sign	M	13	Pr >= |M|	<.0001
Signed Rank	S	175.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	35
99%	35
95%	29
90%	26
75% Q3	23
50% Median	21
25% Q1	17
10%	15
5%	14
1%	14
0% Min	14

The UNIVARIATE Procedure
Variable: mpg

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
14	15	24	25
14	14	25	6
15	8	26	10
16	18	29	17
16	12	35	24

The CORR Procedure

4 Variables:	mpg weight1 price foreign

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
mpg	26	20.92308	4.75750	544.00000	14.00000	35.00000
weight1	26	3.09923	0.69508	80.58000	2.02000	4.33000
price	26	6652	3371	172945	3299	15906
foreign	26	0.26923	0.45234	7.00000	0	1.00000

Pearson Correlation Coefficients, N = 26 Prob > |r| under H0: Rho=0				
	mpg	weight1	price	foreign
mpg	1.00000	-0.80816 <.0001	-0.43846 0.0251	0.40034 0.0427
weight1	-0.80816 <.0001	1.00000	0.55607 0.0032	-0.60107 0.0012
price	-0.43846 0.0251	0.55607 0.0032	1.00000	0.08352 0.6850
foreign	0.40034 0.0427	-0.60107 0.0012	0.08352 0.6850	1.00000
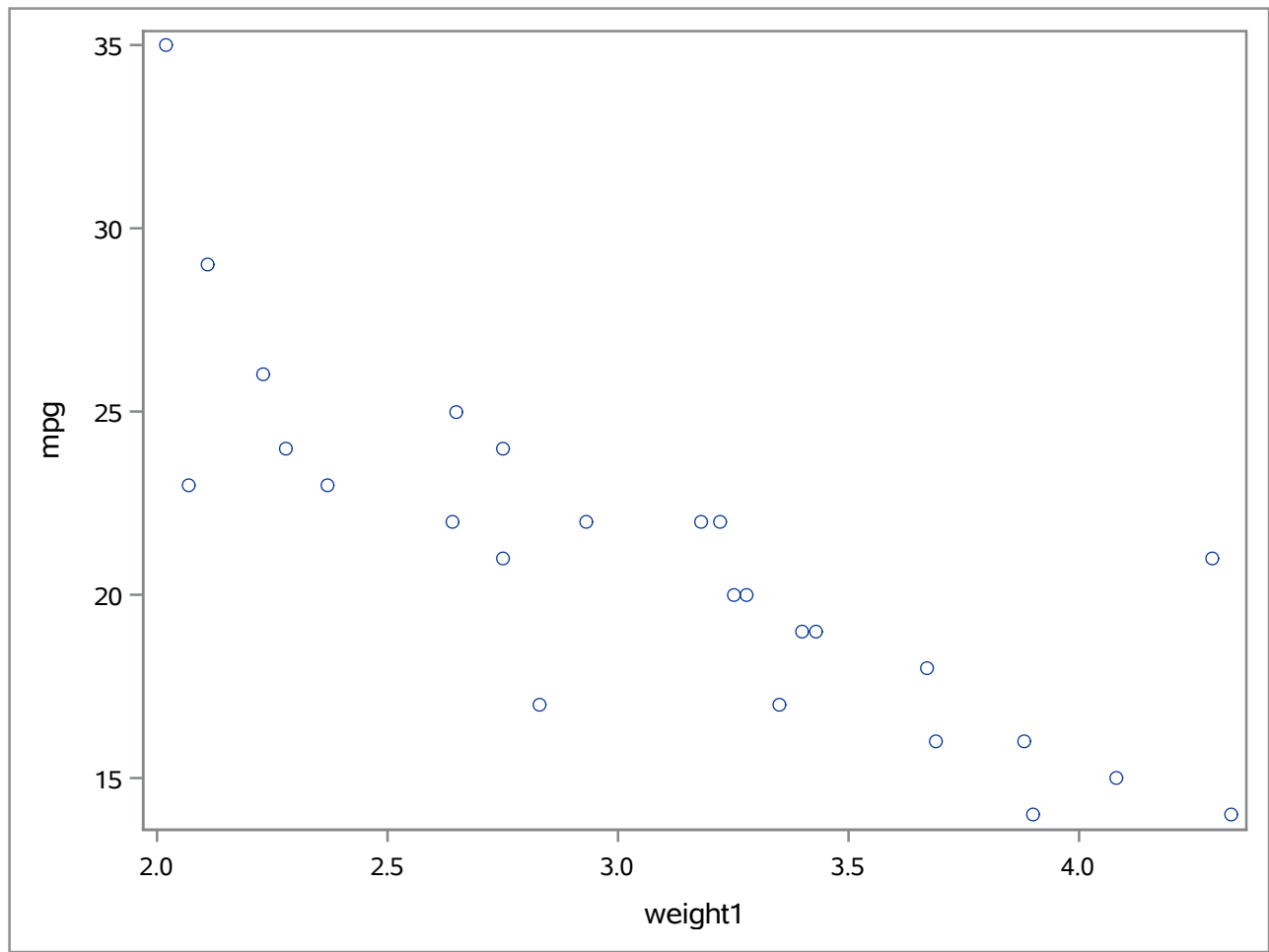
The REG Procedure
Model: MODEL1
Dependent Variable: mpg

Number of Observations Read	26
Number of Observations Used	26

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	1	369.56777	369.56777	45.19	<.0001
Error	24	196.27838	8.17827		
Corrected Total	25	565.84615			

Root MSE	2.85977	**R-Square**	0.6531
Dependent Mean	20.92308	**Adj R-Sq**	0.6387
Coeff Var	13.66800		

Parameter Estimates					
Variable	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Intercept	1	38.06646	2.61118	14.58	<.0001
weight1	1	-5.53150	0.82286	-6.72	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: mpg
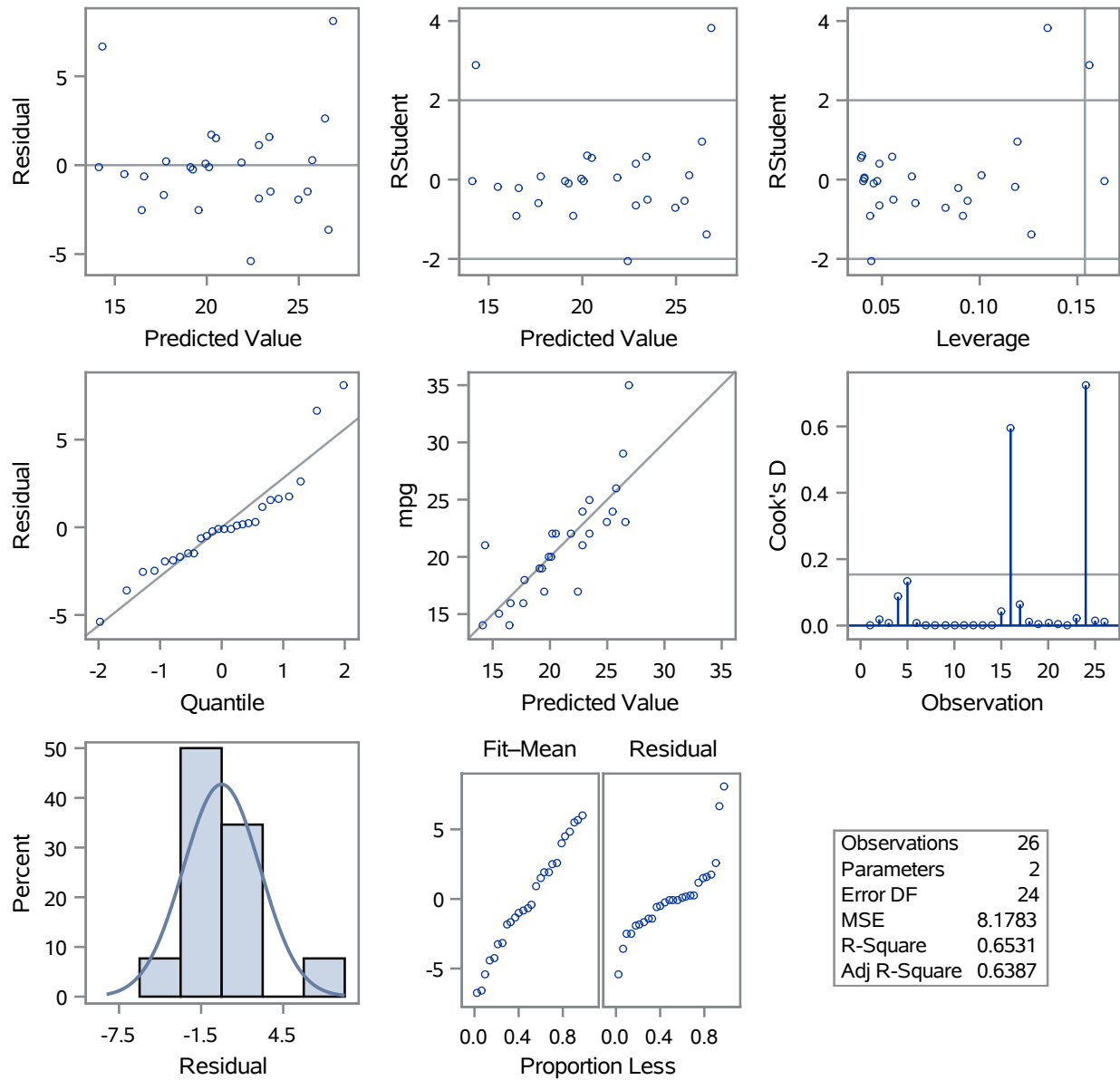
Fit Diagnostics for mpg

The REG Procedure
Model: MODEL1
Dependent Variable: mpg
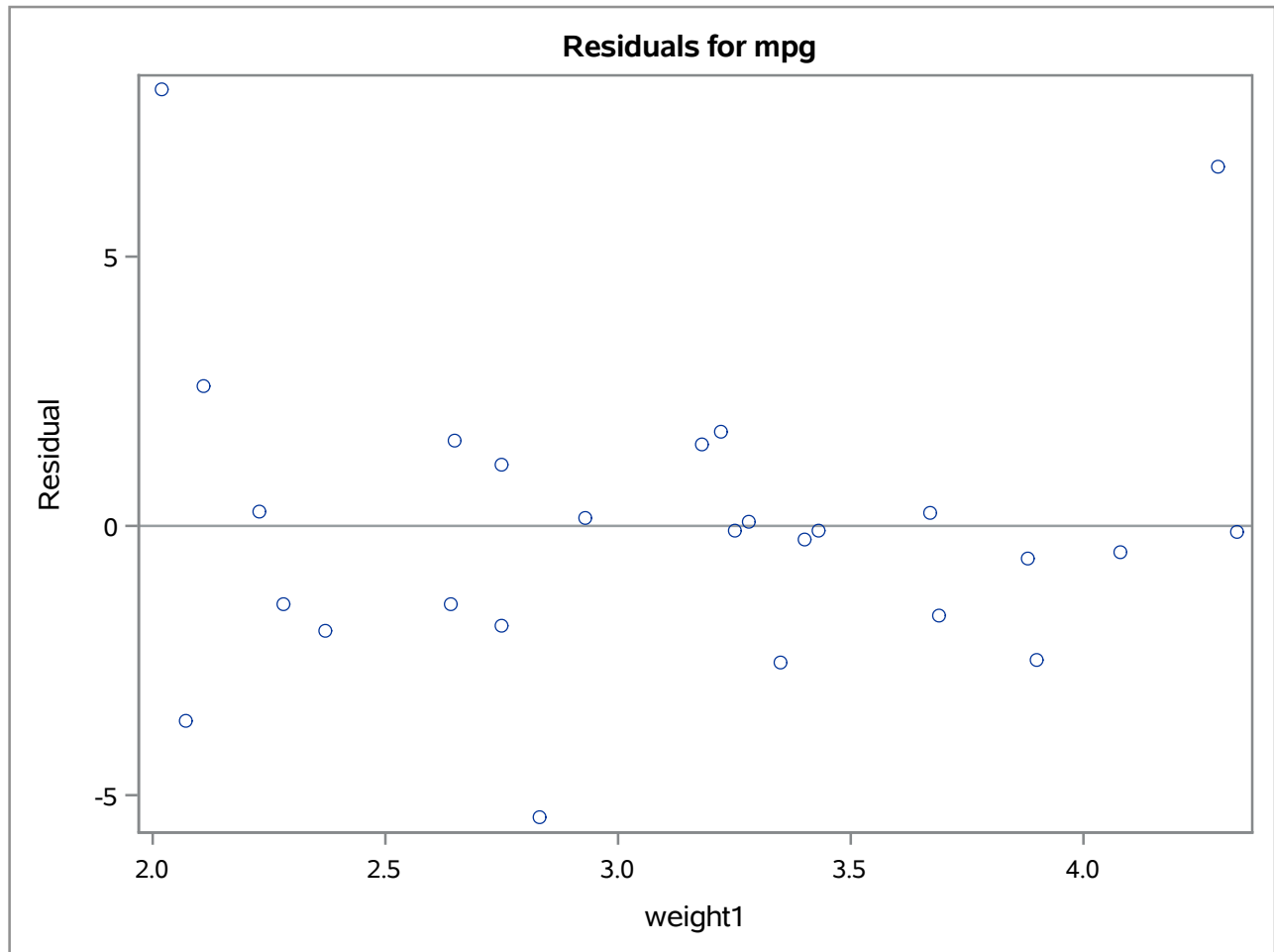
Residuals for mpg

The REG Procedure
Model: MODEL1
Dependent Variable: mpg

Fit Plot for mpg

Observations	26
Parameters	2
Error DF	24
MSE	8.1783
R-Square	0.6531
Adj R-Square	0.6387

Fit   □ 95% Confidence Limits   — — 95% Prediction Limits
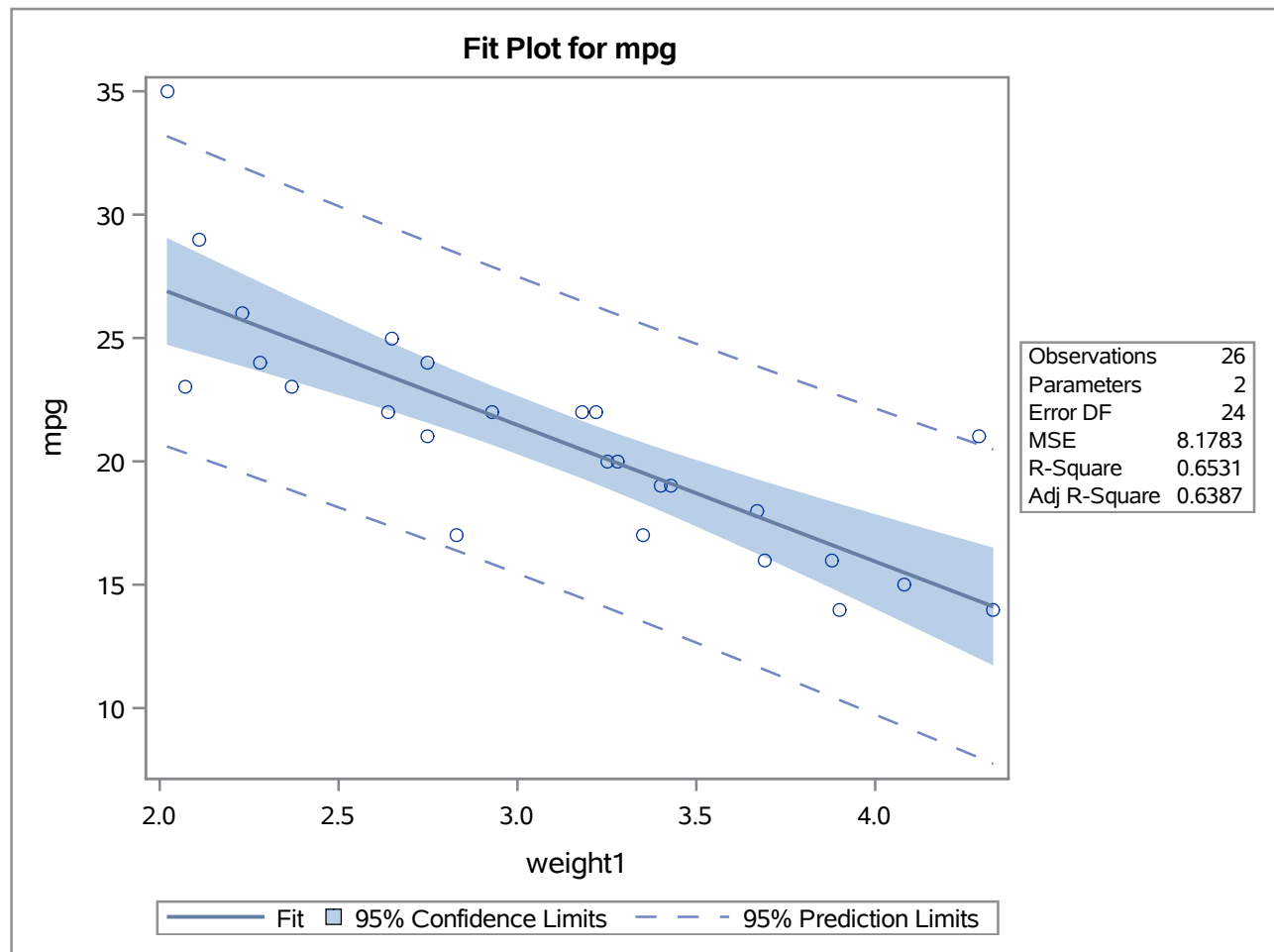
The REG Procedure
Model: MODEL1
Dependent Variable: mpg

Number of Observations Read	26
Number of Observations Used	26

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	382.07964	127.35988	15.25	<.0001
Error	22	183.76652	8.35302		
Corrected Total	25	565.84615			

Root MSE	2.89016	R-Square	0.6752
Dependent Mean	20.92308	Adj R-Sq	0.6309
Coeff Var	13.81326		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	42.16620	4.26475	9.89	<.0001
weight1	1	-7.12111	1.60467	-4.44	0.0002
price	1	0.00022578	0.00026535	0.85	0.4040
foreign	1	-2.50713	2.05657	-1.22	0.2357

The REG Procedure
Model: MODEL1
Dependent Variable: mpg

Fit Diagnostics for mpg

Observations	26
Parameters	4
Error DF	22
MSE	8.353
R-Square	0.6752
Adj R-Square	0.6309

The REG Procedure
Model: MODEL1
Dependent Variable: mpg

Residual by Regressors for mpg