

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: Horsepower**

Number of Observations Read	39
Number of Observations Used	39

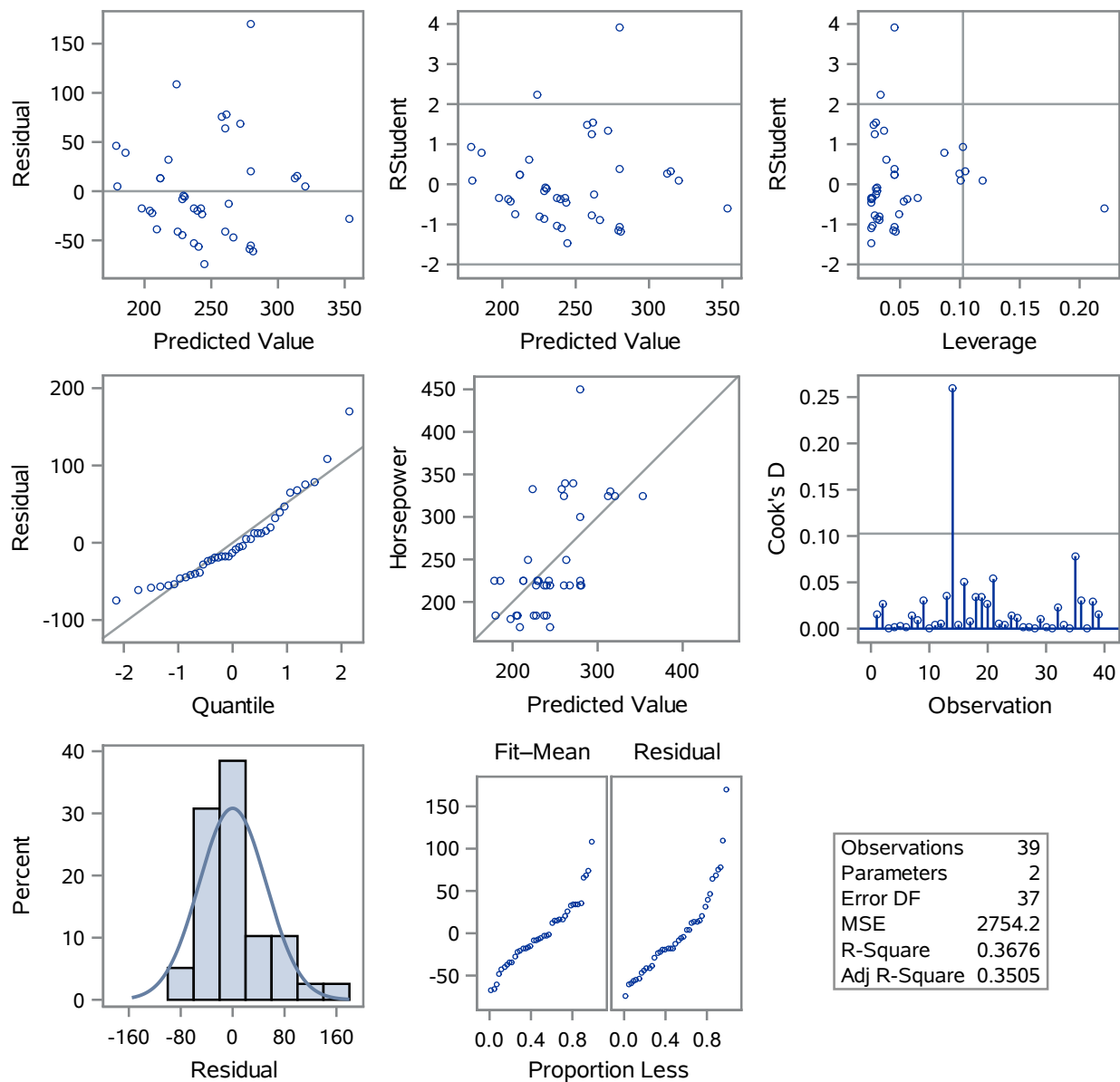
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	59239	59239	21.51	<.0001
Error	37	101907	2754.24602		
Corrected Total	38	161146			

Root MSE	52.48091	R-Square	0.3676
Dependent Mean	246.00000	Adj R-Sq	0.3505
Coeff Var	21.33370		

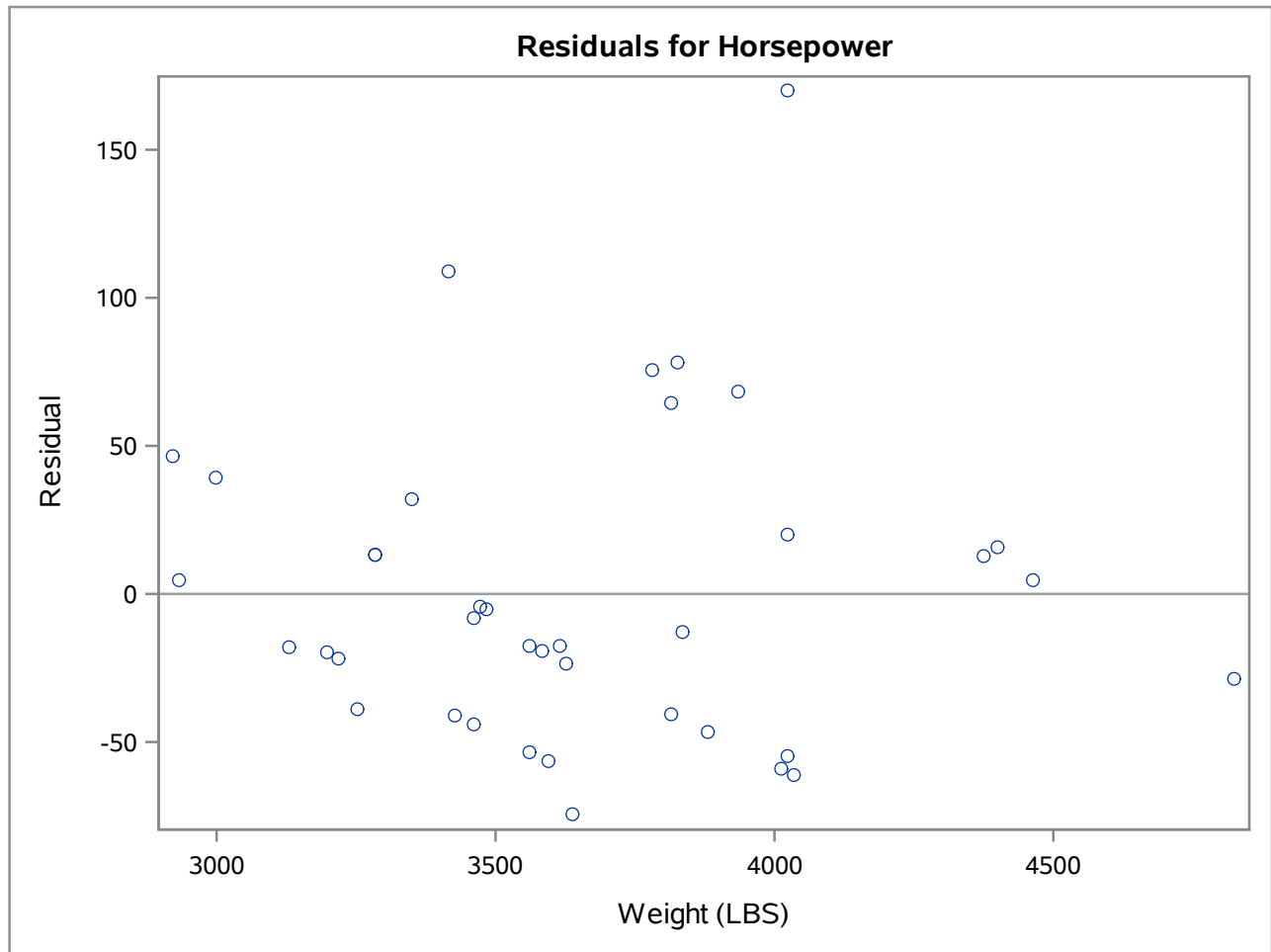
Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	Intercept	1	-90.09868	72.95669	-1.23	0.2246
Weight	Weight (LBS)	1	0.09196	0.01983	4.64	<.0001

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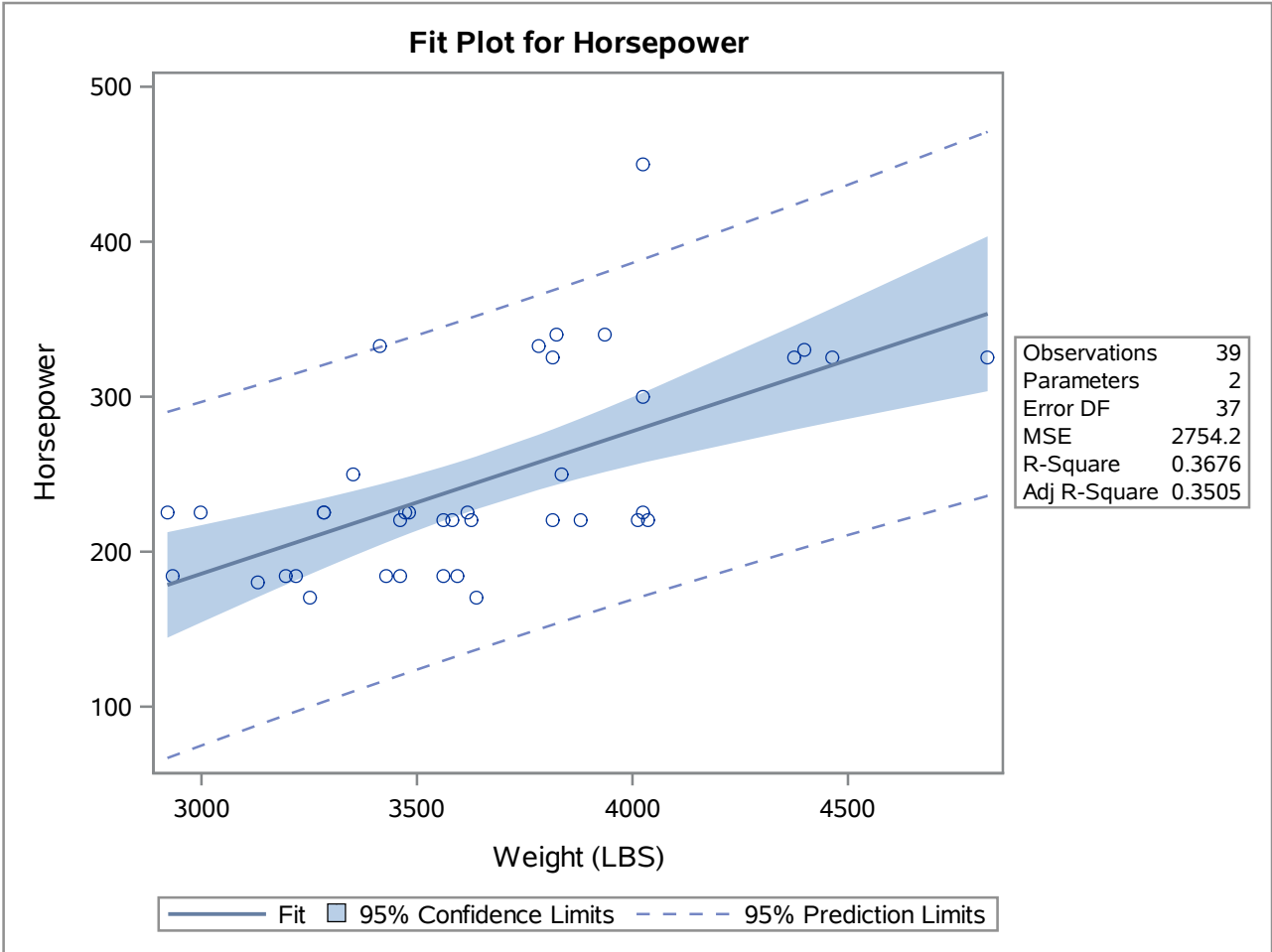
**Fit Diagnostics for Horsepower**



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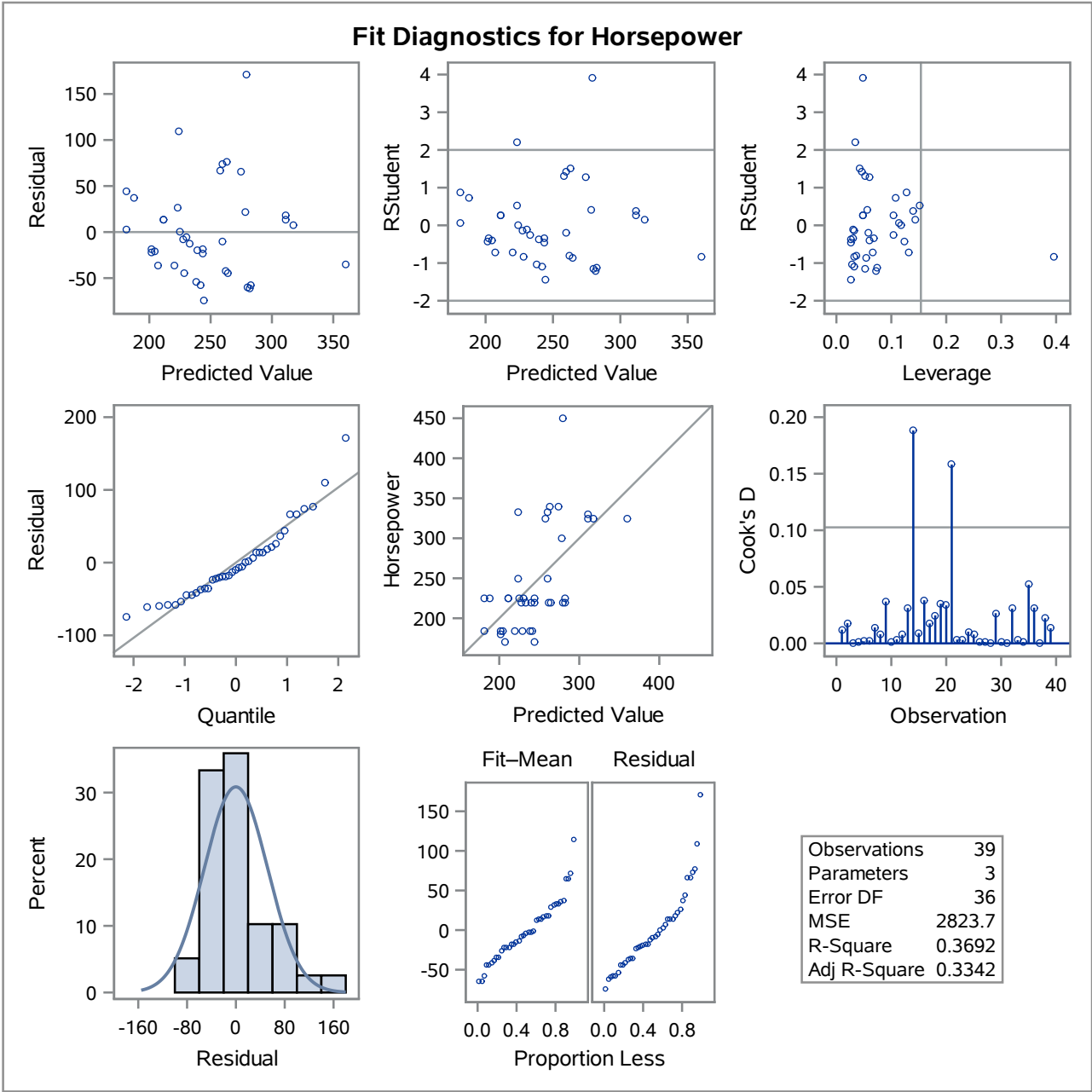
Number of Observations Read	39
Number of Observations Used	39

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	59495	29747	10.54	0.0003
Error	36	101651	2823.65252		
Corrected Total	38	161146			

Root MSE	53.13805	R-Square	0.3692
Dependent Mean	246.00000	Adj R-Sq	0.3342
Coeff Var	21.60083		

Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	Intercept	1	-52.93717	143.91653	-0.37	0.7152
Weight	Weight (LBS)	1	0.09862	0.02989	3.30	0.0022
Length	Length (IN)	1	-0.34031	1.13107	-0.30	0.7652

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