Simple Linear Regression of Oxygen Consumption and Performance

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Number of Observations Read	31
Number of Observations Used	31

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	635.34150	635.34150	85.22	<.0001
Error	29	216.21305	7.45562		
Corrected Total	30	851.55455			

Root MSE	2.73050	R-Square	0.7461
Dependent Mean	47.37581	Adj R-Sq	0.7373
Coeff Var	5.76349		

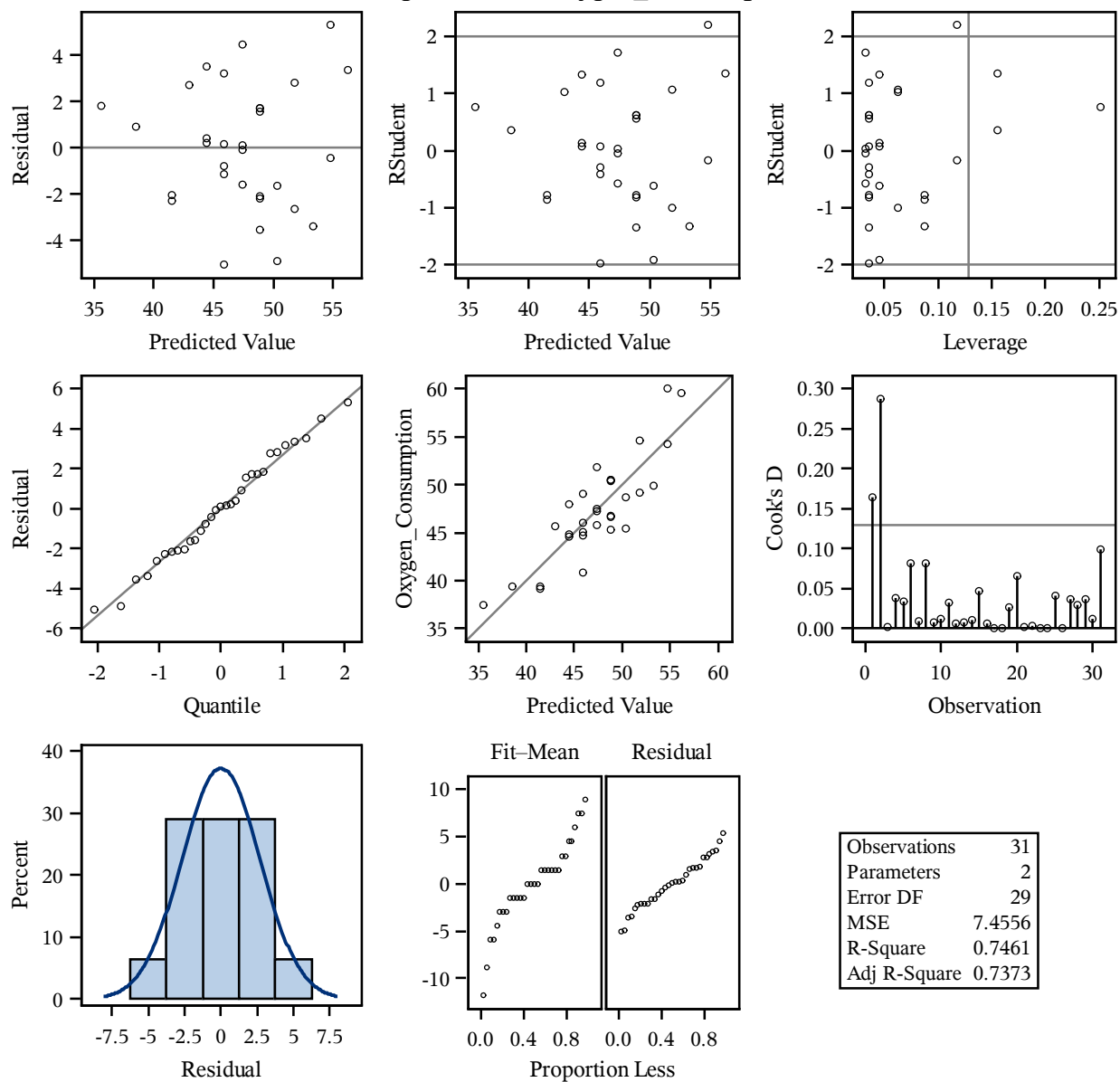| Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	35.57526	1.36917	25.98	<.0001
Performance	1	1.47507	0.15979	9.23	<.0001

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Fit Diagnostics for Oxygen_Consumption

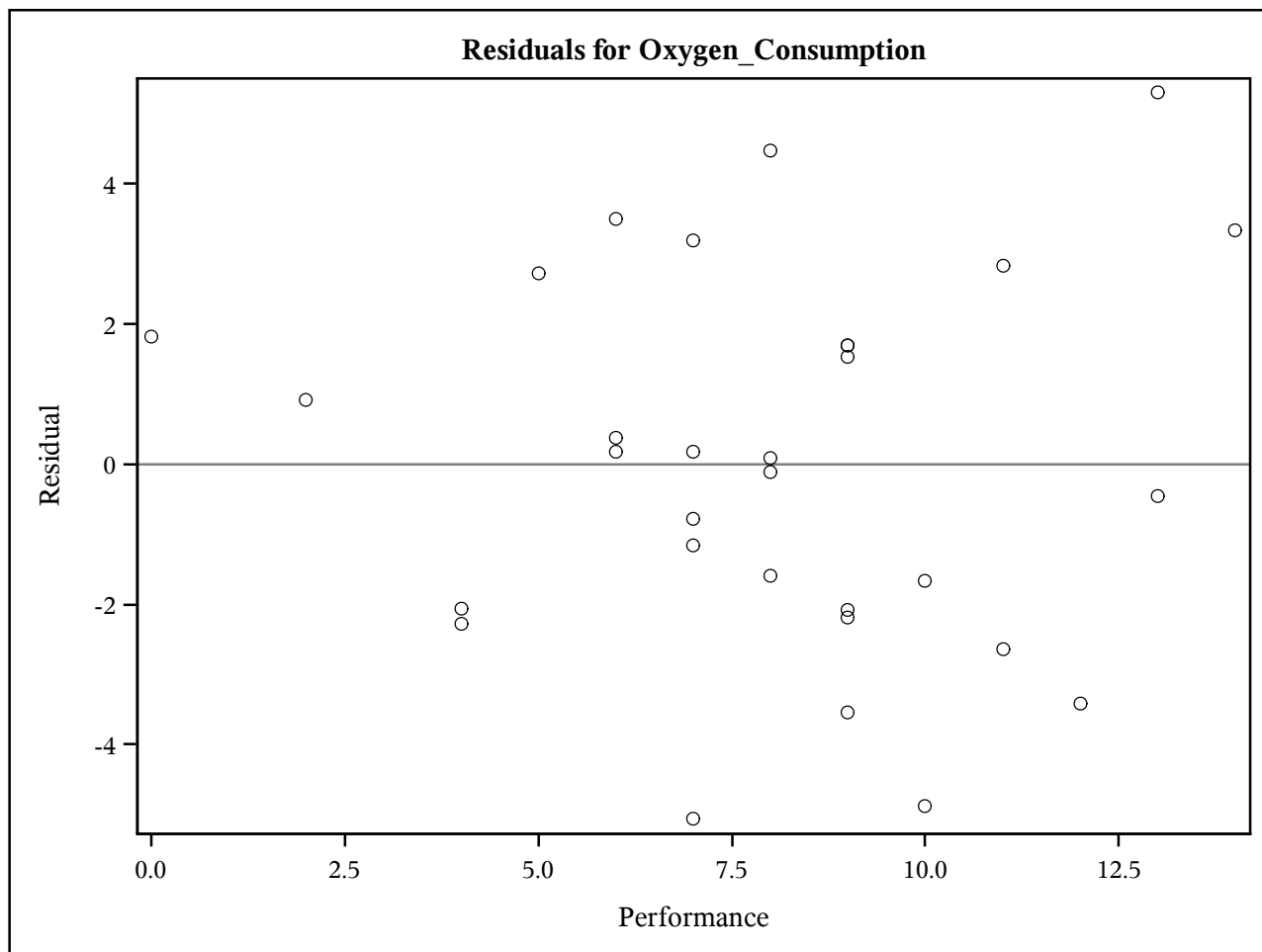| Observations	31
Parameters	2
Error DF	29
MSE	7.4556
R-Square	0.7461
Adj R-Square	0.7373

Simple Linear Regression of Oxygen Consumption and Performance

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Residuals for Oxygen_Consumption

Simple Linear Regression of Oxygen Consumption and Performance

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Fit Plot for Oxygen_Consumption

Observations	31
Parameters	2
Error DF	29
MSE	7.4556
R-Square	0.7461
Adj R-Square	0.7373