Oxygen_Consumption=Performance with Predicted Values

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Number of Observations Read	36
Number of Observations Used	31
Number of Observations with Missing Values	5

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

Oxygen_Consumption=Performance with Predicted Values

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Output Statistics				
Obs	Performance	Dependent Variable	Predicted Value	Residual
1	14	59.5700	56.2262	3.3438
2	13	60.0600	54.7511	5.3089
3	13	54.3000	54.7511	-0.4511
4	11	54.6300	51.8010	2.8290
5	11	49.1600	51.8010	-2.6410
6	12	49.8700	53.2761	-3.4061
7	10	48.6700	50.3259	-1.6559
8	10	45.4400	50.3259	-4.8859
9	9	50.5500	48.8509	1.6991
10	9	46.6700	48.8509	-2.1809
11	9	45.3100	48.8509	-3.5409
12	9	50.3900	48.8509	1.5391
13	9	50.5400	48.8509	1.6891
14	9	46.7700	48.8509	-2.0809
15	8	51.8500	47.3758	4.4742
16	8	45.7900	47.3758	-1.5858
17	8	47.4700	47.3758	0.0942
18	8	47.2700	47.3758	-0.1058
19	7	49.0900	45.9007	3.1893
20	7	40.8400	45.9007	-5.0607
21	7	45.1200	45.9007	-0.7807
22	7	44.7500	45.9007	-1.1507
23	7	46.0800	45.9007	0.1793
24	6	44.6100	44.4257	0.1843
25	6	47.9200	44.4257	3.4943
26	6	44.8100	44.4257	0.3843
27	5	45.6800	42.9506	2.7294
28	4	39.4100	41.4755	-2.0655
29	4	39.2000	41.4755	-2.2755
30	2	39.4400	38.5254	0.9146

Oxygen_Consumption=Performance with Predicted Values

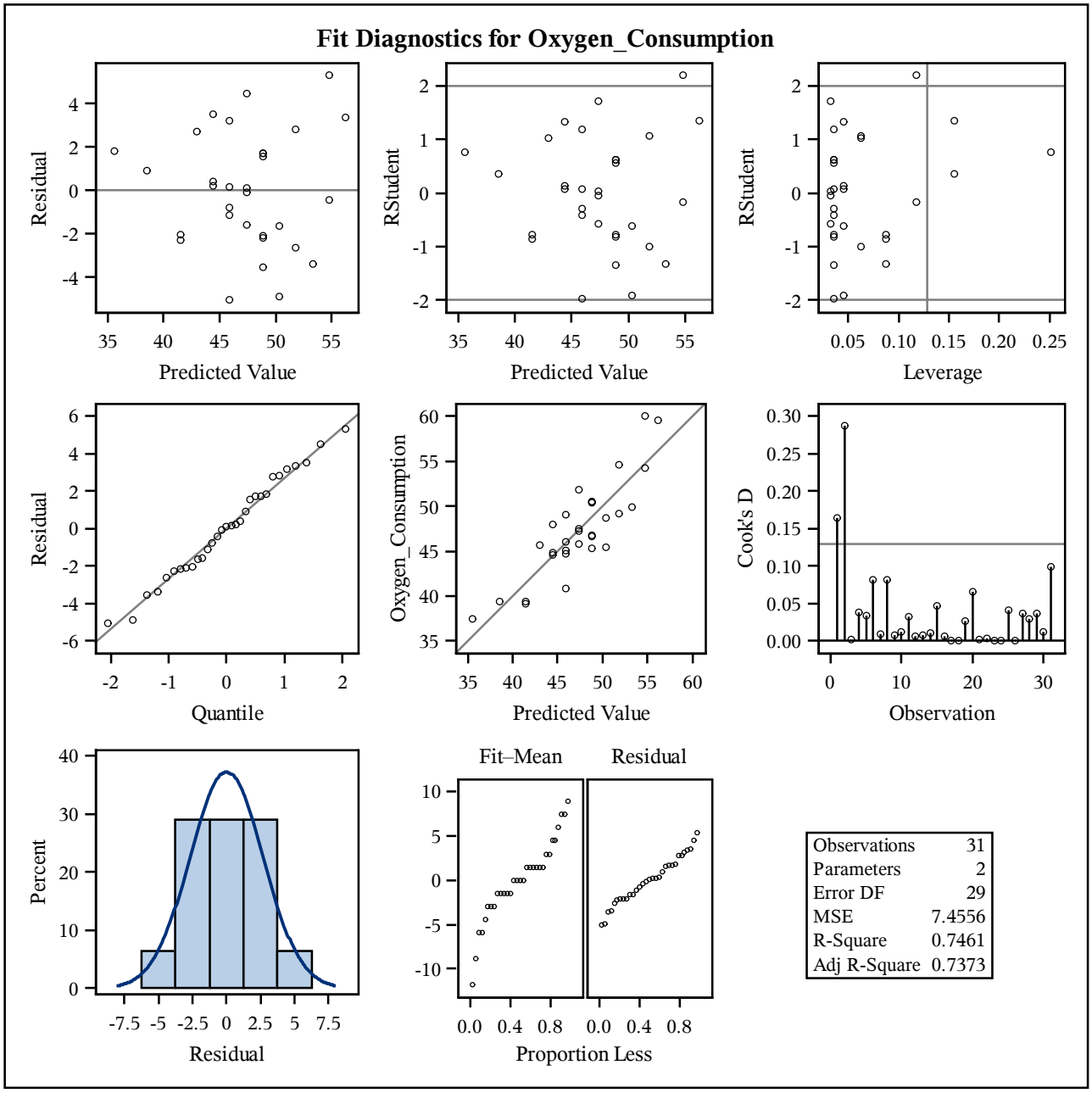
The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Output Statistics				
Obs	Performance	Dependent Variable	Predicted Value	Residual
31	0	37.3900	35.5753	1.8147
32	0	.	35.5753	.
33	3	.	40.0005	.
34	6	.	44.4257	.
35	9	.	48.8509	.
36	12	.	53.2761	.

Sum of Residuals	0
Sum of Squared Residuals	216.21305
Predicted Residual SS (PRESS)	249.51538

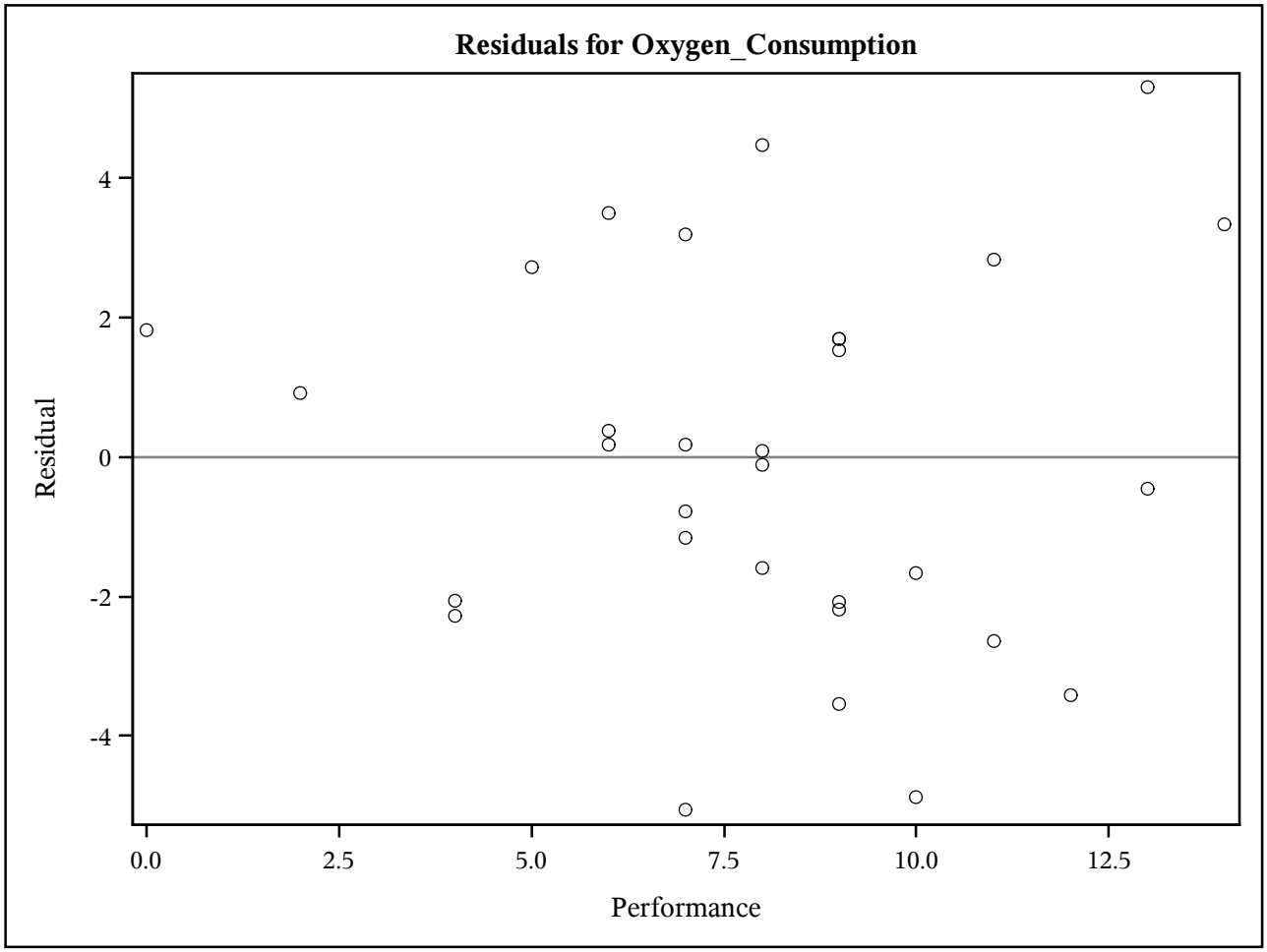
Oxygen_Consumption=Performance with Predicted Values

The REG Procedure
Model: MODEL1



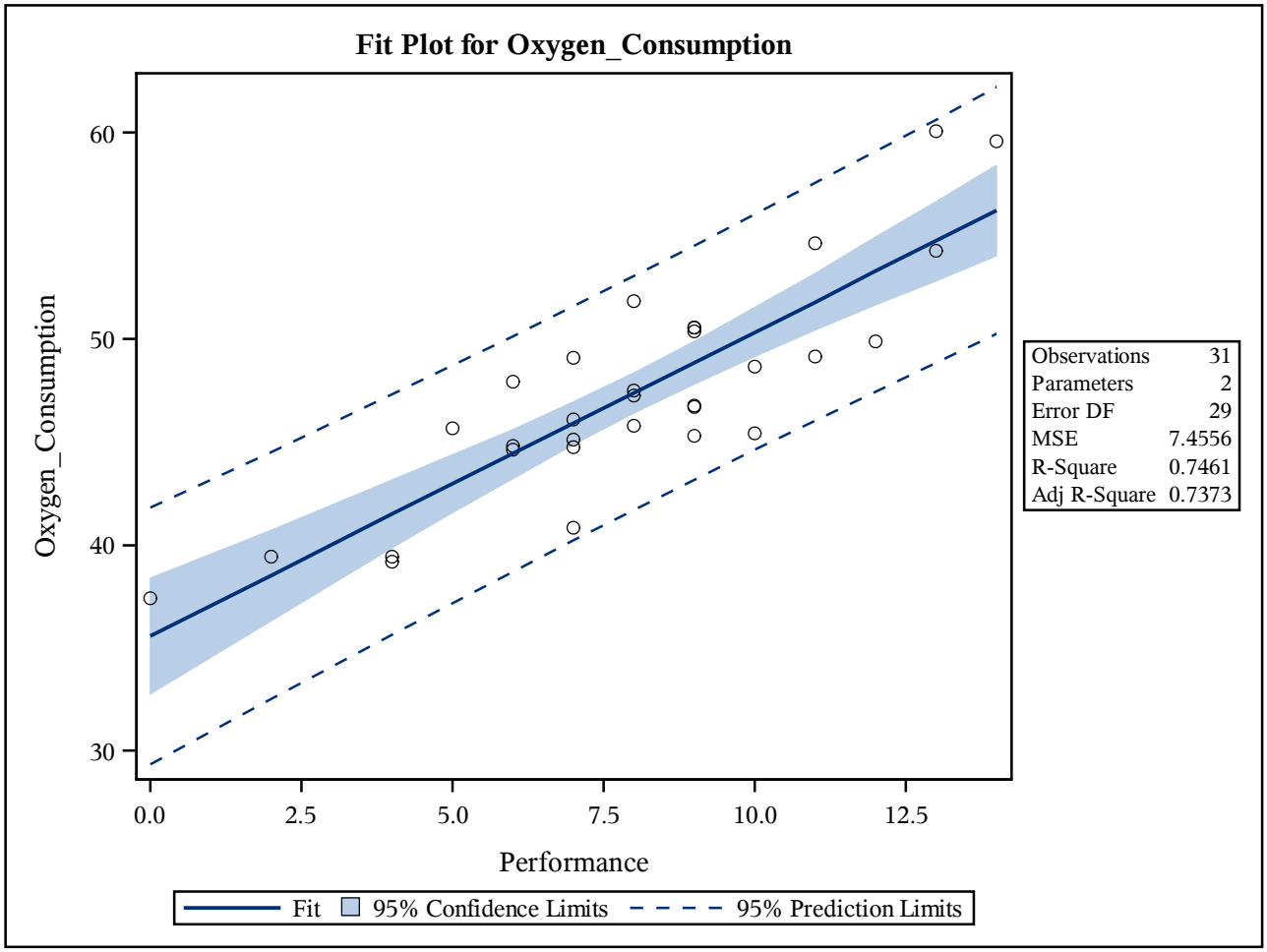
Oxygen_Consumption=Performance with Predicted Values

The REG Procedure
Model: MODEL1



Oxygen_Consumption=Performance with Predicted Values

The REG Procedure
Model: MODEL1



The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

Number of Observations Read	36
Number of Observations Used	31
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Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
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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

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

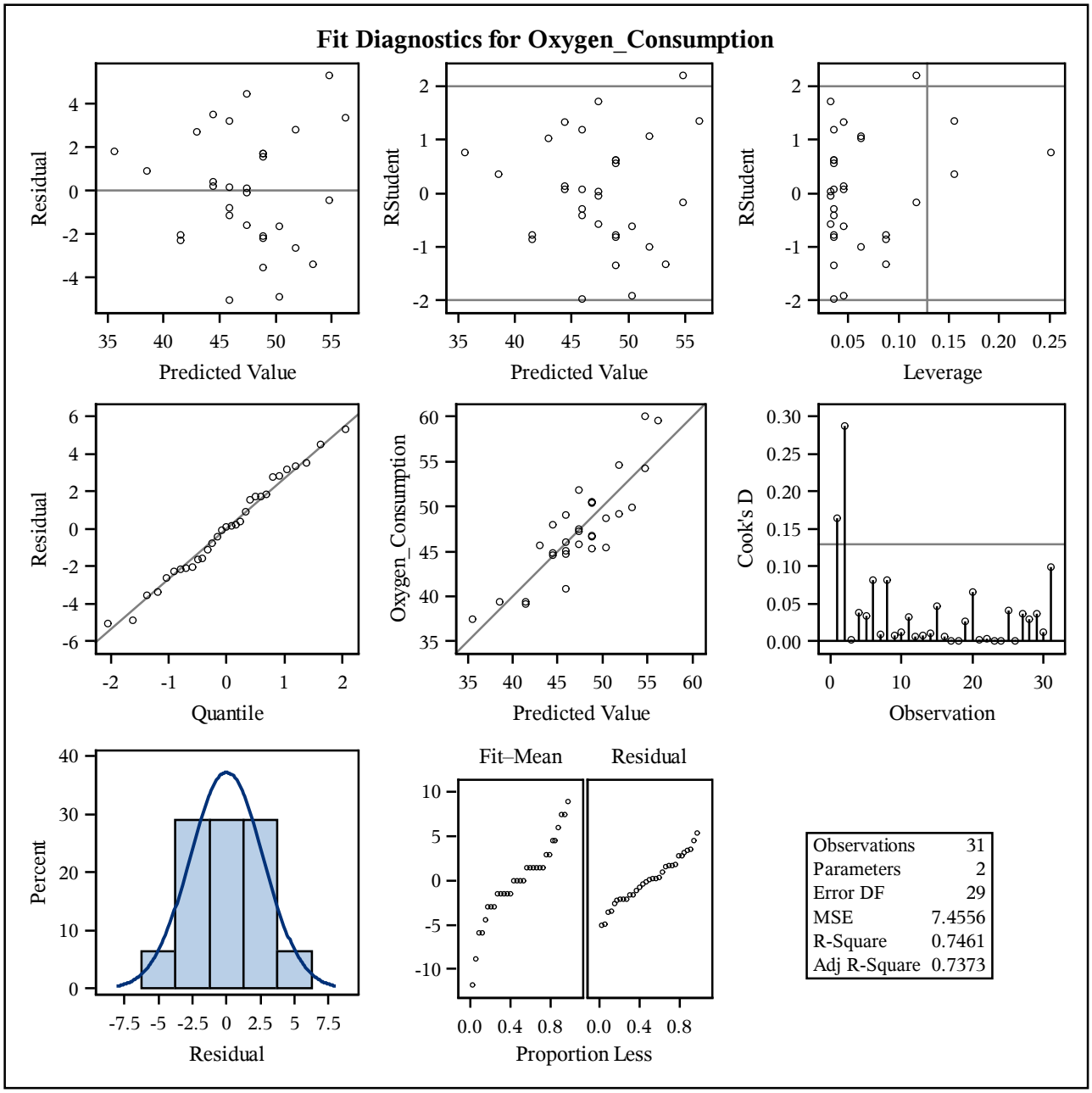
Output Statistics										
Obs	Name	Performance	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual
1	Donna	0	59.5700	56.2262	1.0769	54.0237	58.4287	50.2231	62.2293	3.3438
2	Gracie	0	60.0600	54.7511	0.9375	52.8338	56.6685	48.8467	60.6556	5.3089
3	Luanne	0	54.3000	54.7511	0.9375	52.8338	56.6685	48.8467	60.6556	-0.4511
4	Mimi	0	54.6300	51.8010	0.6858	50.3984	53.2036	46.0431	57.5590	2.8290
5	Chris	0	49.1600	51.8010	0.6858	50.3984	53.2036	46.0431	57.5590	-2.6410
6	Allen	0	49.8700	53.2761	0.8056	51.6284	54.9238	47.4536	59.0986	-3.4061
7	Nancy	0	48.6700	50.3259	0.5854	49.1288	51.5231	44.6146	56.0373	-1.6559
8	Patty	0	45.4400	50.3259	0.5854	49.1288	51.5231	44.6146	56.0373	-4.8859
9	Suzanne	0	50.5500	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	1.6991
10	Teresa	0	46.6700	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	-2.1809
11	Bob	0	45.3100	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	-3.5409
12	Harriett	0	50.3900	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	1.5391
13	Jane	0	50.5400	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	1.6891
14	Harold	0	46.7700	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	-2.0809
15	Sammy	0	51.8500	47.3758	0.4904	46.3728	48.3788	41.7020	53.0497	4.4742
16	Buffy	0	45.7900	47.3758	0.4904	46.3728	48.3788	41.7020	53.0497	-1.5858
17	Trent	0	47.4700	47.3758	0.4904	46.3728	48.3788	41.7020	53.0497	0.0942
18	Jackie	0	47.2700	47.3758	0.4904	46.3728	48.3788	41.7020	53.0497	-0.1058
19	Ralph	0	49.0900	45.9007	0.5158	44.8458	46.9556	40.2175	51.5840	3.1893
20	Jack	0	40.8400	45.9007	0.5158	44.8458	46.9556	40.2175	51.5840	-5.0607
21	Annie	0	45.1200	45.9007	0.5158	44.8458	46.9556	40.2175	51.5840	-0.7807
22	Kate	0	44.7500	45.9007	0.5158	44.8458	46.9556	40.2175	51.5840	-1.1507
23	Carl	0	46.0800	45.9007	0.5158	44.8458	46.9556	40.2175	51.5840	0.1793
24	Don	0	44.6100	44.4257	0.5854	43.2285	45.6228	38.7143	50.1370	0.1843
25	Effie	0	47.9200	44.4257	0.5854	43.2285	45.6228	38.7143	50.1370	3.4943
26	George	0	44.8100	44.4257	0.5854	43.2285	45.6228	38.7143	50.1370	0.3843
27	Iris	0	45.6800	42.9506	0.6858	41.5480	44.3532	37.1927	48.7085	2.7294
28	Mark	0	39.4100	41.4755	0.8056	39.8278	43.1232	35.6530	47.2980	-2.0655
29	Steve	0	39.2000	41.4755	0.8056	39.8278	43.1232	35.6530	47.2980	-2.2755
30	Vaughn	0	39.4400	38.5254	1.0769	36.3229	40.7279	32.5223	44.5285	0.9146

The REG Procedure
Model: MODEL1
Dependent Variable: Oxygen_Consumption

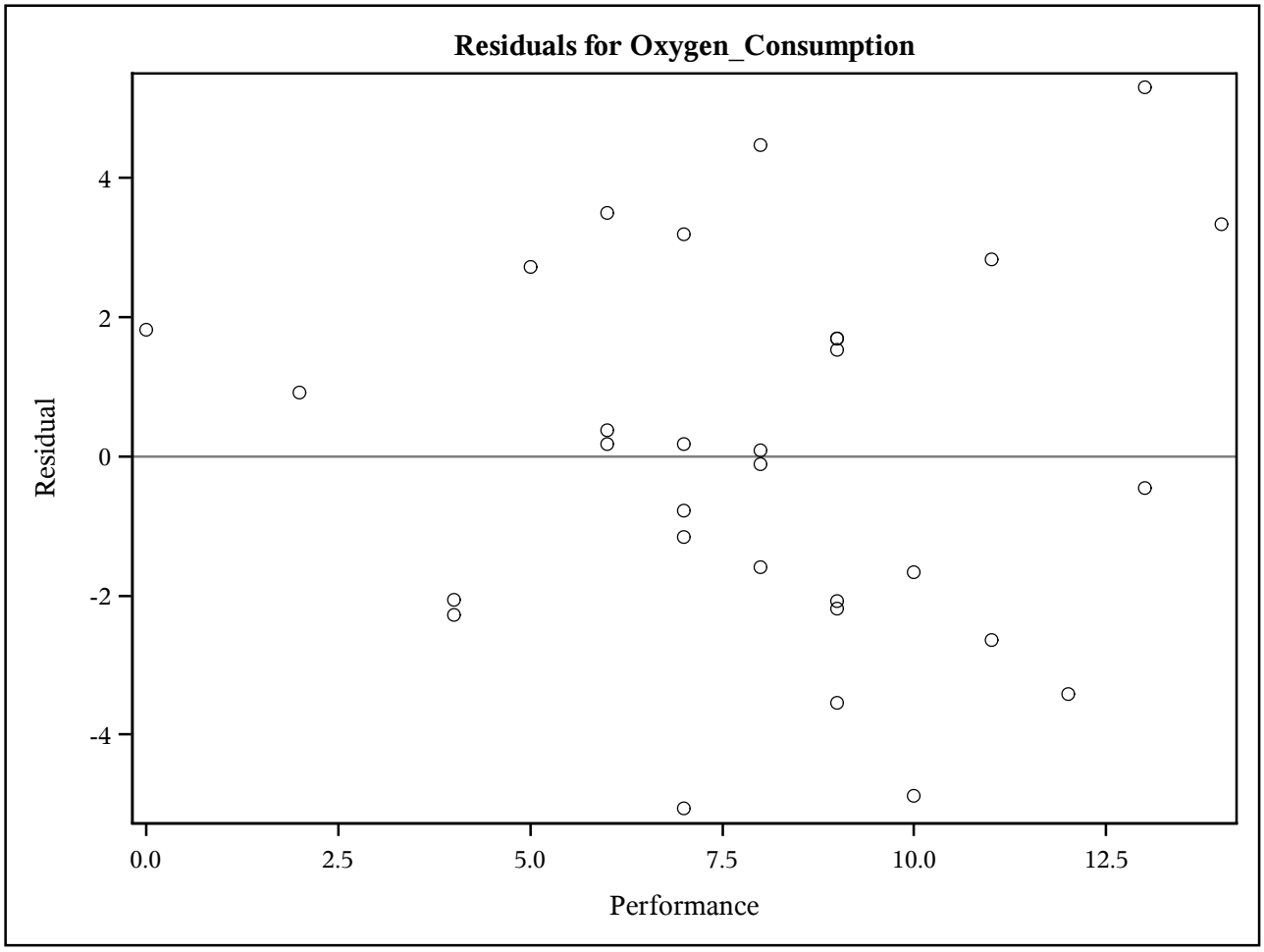
Output Statistics										
Obs	**Name**	**Performance**	**Dependent Variable**	**Predicted Value**	**Std Error Mean Predict**	**95% CL Mean**		**95% CL Predict**		**Residual**
31	William	0	37.3900	35.5753	1.3692	32.7750	38.3755	29.3280	41.8225	1.8147
32		0	.	35.5753	1.3692	32.7750	38.3755	29.3280	41.8225	.
33		0	.	40.0005	0.9375	38.0831	41.9178	34.0960	45.9049	.
34		0	.	44.4257	0.5854	43.2285	45.6228	38.7143	50.1370	.
35		0	.	48.8509	0.5158	47.7960	49.9058	43.1676	54.5341	.
36		0	.	53.2761	0.8056	51.6284	54.9238	47.4536	59.0986	.

Sum of Residuals	0
Sum of Squared Residuals	216.21305
Predicted Residual SS (PRESS)	249.51538

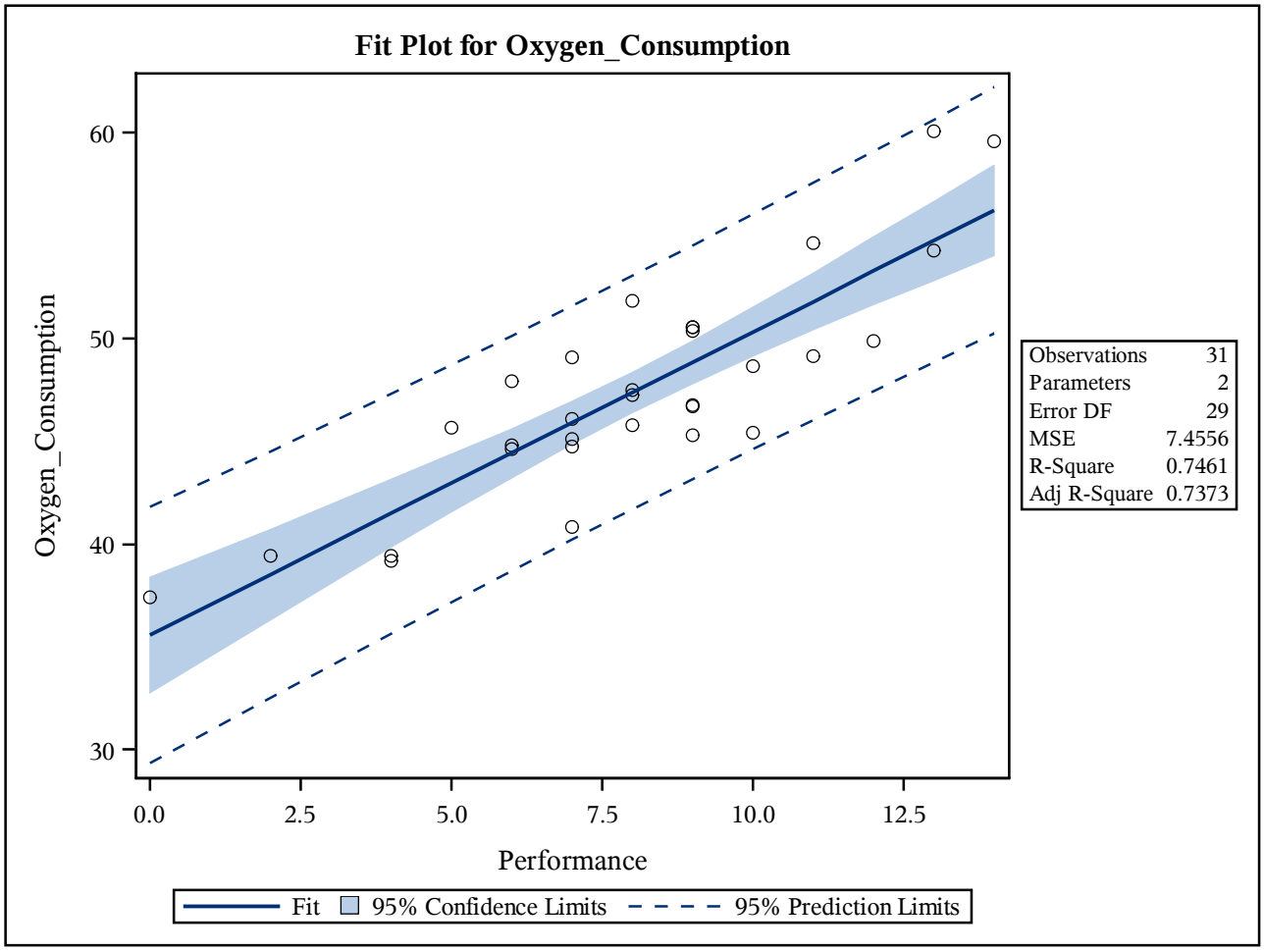
The REG Procedure
Model: MODEL1

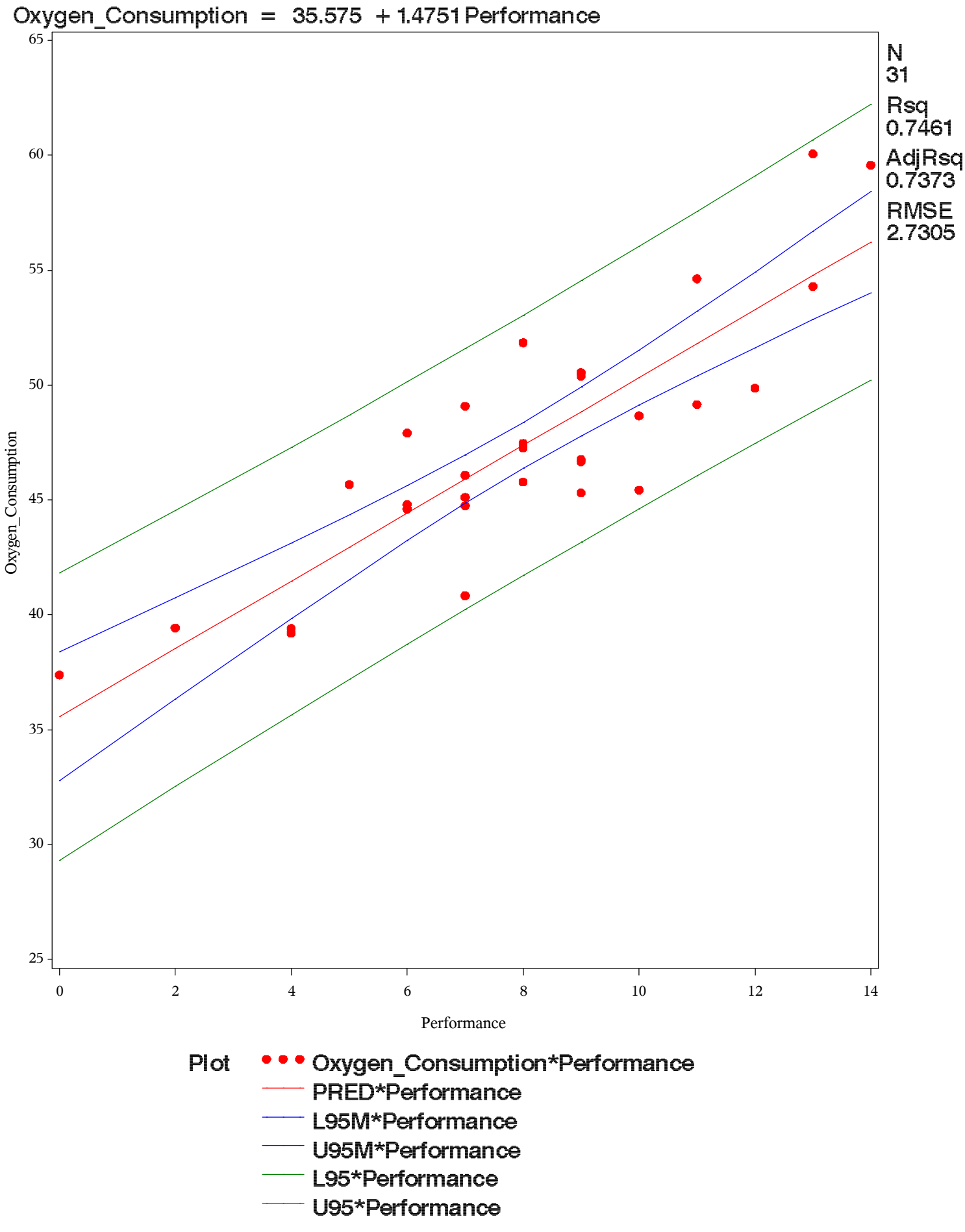


The REG Procedure
Model: MODEL1



The REG Procedure
Model: MODEL1




Oxygen_Consumption = 35.575 + 1.4751 Performance
N
31
Rsq
0.7461
AdjRsq
0.7373
RMSE
2.7305
Oxygen_Consumption
65
60
55
50
45
40
35
30
25
0
2
4
6
8
10
12
14
Performance
Plot
Oxygen_Consumption*Performance
PRED*Performance
L95M*Performance
U95M*Performance
L95*Performance
U95*Performance