The SAS System

Obs	QUASAR	REDSHIFT	LINEFLUX	LUMINOSITY	AB1450	ABSMAG	RFEWIDTH
1	1	2.81	-13.48	45.29	19.5	-26.27	117
2	2	3.07	-13.73	45.13	19.65	-26.26	82
3	3	3.45	-13.87	45.11	18.93	-27.17	33
4	4	3.19	-13.27	45.63	18.59	-27.39	92
5	5	3.07	-13.56	45.3	19.59	-26.32	114
6	6	4.15	-13.95	45.2	19.42	-26.97	50
7	7	3.26	-13.83	45.08	19.18	-26.83	43
8	8	2.81	-13.5	45.27	20.41	-25.36	259
9	9	3.83	-13.66	45.41	18.93	-27.34	58
10	10	3.32	-13.71	45.23	20	-26.04	126
11	11	2.81	-13.5	45.27	18.45	-27.32	42
12	12	4.4	-13.96	45.25	20.55	-25.94	146
13	13	3.45	-13.91	45.07	20.45	-25.65	124
14	14	3.7	-13.85	45.19	19.7	-26.51	75
15	15	3.07	-13.67	45.19	19.54	-26.37	85
16	16	4.34	-13.93	45.27	20.17	-26.29	109
17	17	3	-13.75	45.08	19.3	-26.58	55
18	18	3.88	-14.17	44.92	20.68	-25.61	91
19	19	3.07	-13.92	44.94	20.51	-25.41	116
20	20	4.08	-14.28	44.86	20.7	-25.67	75
21	21	3.62	-13.82	45.2	19.45	-26.73	63
22	22	3.07	-14.08	44.78	19.9	-26.02	46
23	23	2.94	-13.82	44.99	19.49	-26.35	55
24	24	3.2	-14.15	44.75	20.89	-25.09	99
25	25	3.24	-13.74	45.17	19.17	-26.83	53

The SAS System

The GLM Procedure

Number of Observations Read	25
Number of Observations Used	25

The SAS System

The GLM Procedure

Dependent Variable: RFEWIDTH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	49165.87374	9833.17475	39.34	<.0001
Error	19	4749.56626	249.97717		
Corrected Total	24	53915.44000			

R-Square	Coeff Var	Root MSE	RFEWIDTH Mean
0.911907	17.90157	15.81067	88.32000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
REDSHIFT	1	273.53424	273.53424	1.09	0.3087
LINEFLUX	1	2217.80619	2217.80619	8.87	0.0077
LUMINOSITY	1	2342.30552	2342.30552	9.37	0.0064
AB1450	1	44329.02492	44329.02492	177.33	<.0001
ABSMAG	1	3.20287	3.20287	0.01	0.9111

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REDSHIFT	1	309.5188466	309.5188466	1.24	0.2797
LINEFLUX	1	80.5235874	80.5235874	0.32	0.5770
LUMINOSITY	1	23.7737167	23.7737167	0.10	0.7611
AB1450	1	0.3284845	0.3284845	0.00	0.9715
ABSMAG	1	3.2028744	3.2028744	0.01	0.9111

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	18989.02564	26569.36113	0.71	0.4835
REDSHIFT	113.71050	102.18972	1.11	0.2797
LINEFLUX	471.35660	830.49727	0.57	0.5770
LUMINOSITY	-254.49685	825.24717	-0.31	0.7611
AB1450	20.78438	573.36317	0.04	0.9715
ABSMAG	64.59410	570.65430	0.11	0.9111

The SAS System

The GLM Procedure

Number of Observations Read	25
Number of Observations Used	25

The SAS System

The GLM Procedure

Dependent Variable: RFEWIDTH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	273.53424	273.53424	0.12	0.7351
Error	23	53641.90576	2332.25677		
Corrected Total	24	53915.44000			

R-Square	Coeff Var	Root MSE	RFEWIDTH Mean
0.005073	54.68008	48.29344	88.32000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
REDSHIFT	1	273.5342399	273.5342399	0.12	0.7351

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REDSHIFT	1	273.5342399	273.5342399	0.12	0.7351

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	112.1154648	70.15078261	1.60	0.1236
REDSHIFT	-7.0126915	20.47703475	-0.34	0.7351
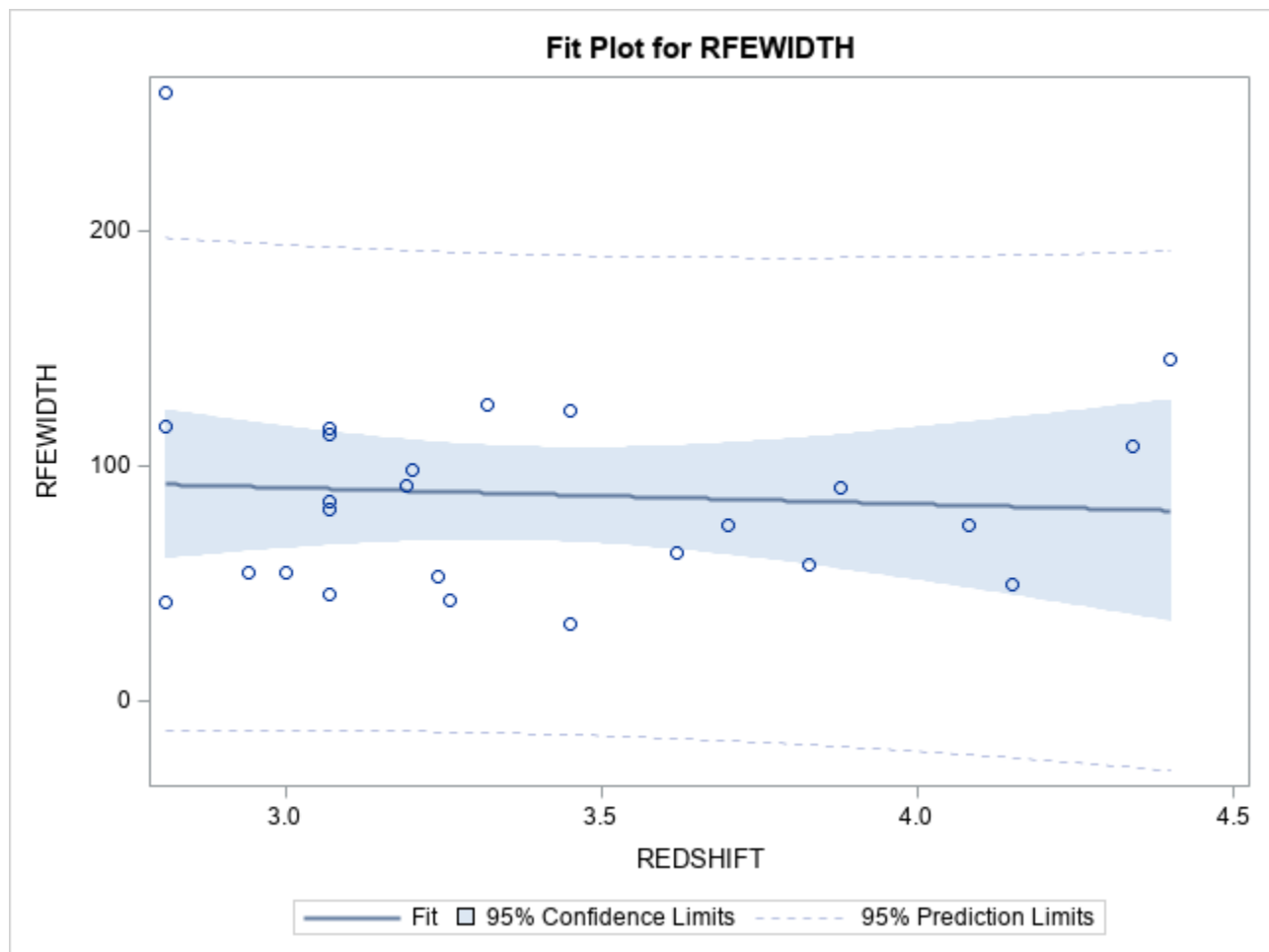
Fit Plot for RFEWIDTH

The SAS System

The GLM Procedure

Number of Observations Read	25
Number of Observations Used	25

The SAS System

The GLM Procedure

Dependent Variable: RFEWIDTH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	2491.34043	1245.67021	0.53	0.5943
Error	22	51424.09957	2337.45907		
Corrected Total	24	53915.44000			

R-Square	Coeff Var	Root MSE	RFEWIDTH Mean
0.046208	54.74103	48.34728	88.32000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
REDSHIFT	1	273.534240	273.534240	0.12	0.7355
LINEFLUX	1	2217.806188	2217.806188	0.95	0.3406

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REDSHIFT	1	138.120711	138.120711	0.06	0.8102
LINEFLUX	1	2217.806188	2217.806188	0.95	0.3406

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	736.3648758	644.7041656	1.14	0.2657
REDSHIFT	5.9397283	24.4348222	0.24	0.8102
LINEFLUX	48.4048247	49.6934173	0.97	0.3406
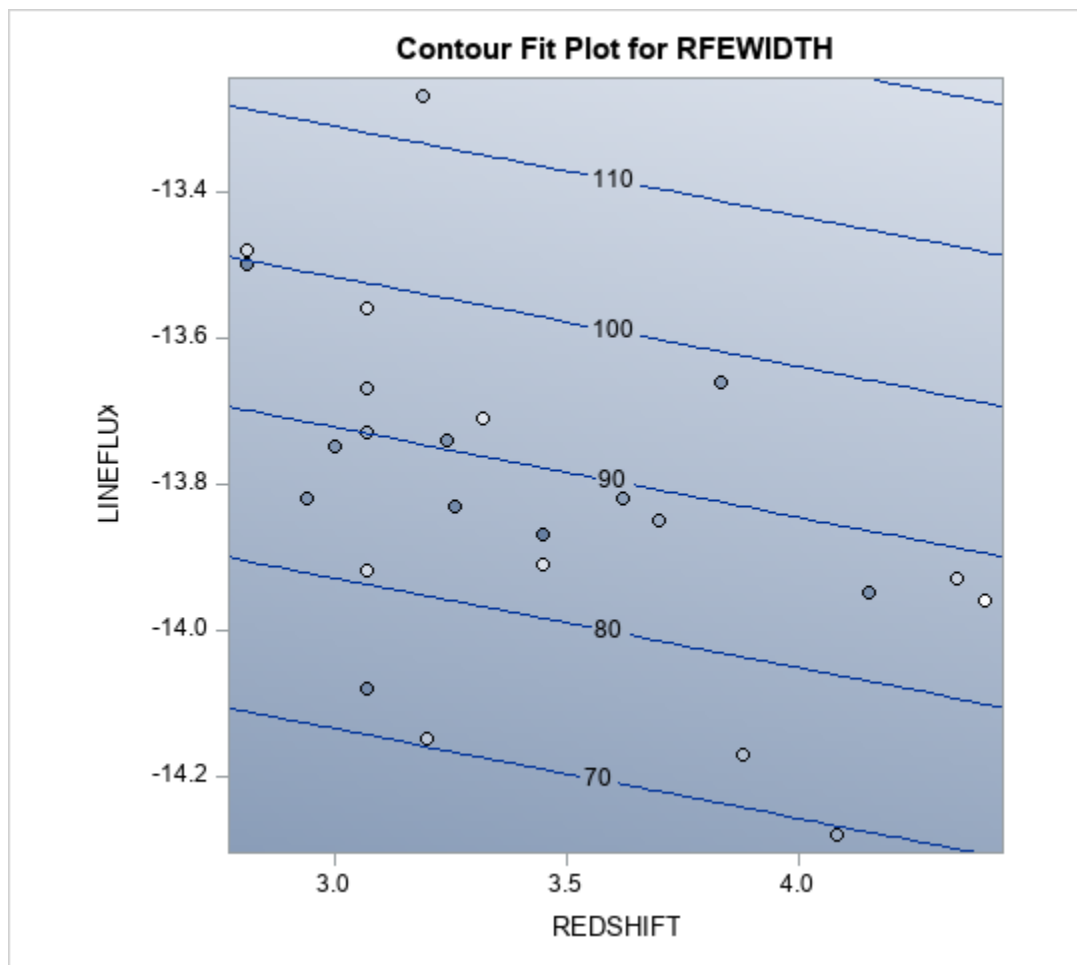
Contour Fit Plot for RFEWIDTH

The SAS System

The GLM Procedure

Number of Observations Read	25
Number of Observations Used	25

The SAS System

The GLM Procedure

Dependent Variable: RFEWIDTH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	4833.64595	1611.21532	0.69	0.5686
Error	21	49081.79405	2337.22829		
Corrected Total	24	53915.44000			

R-Square	Coeff Var	Root MSE	RFEWIDTH Mean
0.089652	54.73833	48.34489	88.32000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
REDSHIFT	1	273.534240	273.534240	0.12	0.7357
LINEFLUX	1	2217.806188	2217.806188	0.95	0.3411
LUMINOSITY	1	2342.305526	2342.305526	1.00	0.3282

Source	DF	Type III SS	Mean Square	F Value	Pr > F
REDSHIFT	1	2425.466222	2425.466222	1.04	0.3199
LINEFLUX	1	2571.667596	2571.667596	1.10	0.3061
LUMINOSITY	1	2342.305526	2342.305526	1.00	0.3282

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	58347.66542	57552.43761	1.01	0.3222
REDSHIFT	280.62772	275.47585	1.02	0.3199
LINEFLUX	1033.17350	984.95505	1.05	0.3061
LUMINOSITY	-995.70325	994.62351	-1.00	0.3282