

**Linear Models****The GLM Procedure**

Class Level Information		
Class	Levels	Values
Treatment	2	1 2
Gender	2	0 1
Ascites	2	0 1
Hepatomegaly	2	0 1
Spiders	2	0 1
Edema	3	0 0.5 1
Histologic stage	4	1 2 3 4

Number of Observations Read	418
Number of Observations Used	276

## Linear Models

### The GLM Procedure

Type III Estimable Functions								
Effect	Coefficients							
	Age	Bilirubin	Cholesterol	Albumin	Urine copper	Alkaline phosphatase	SGOT	Triglycerides
Intercept	0	0	0	0	0	0	0	0
Age	L2	0	0	0	0	0	0	0
Bilirubin	0	L3	0	0	0	0	0	0
Cholesterol	0	0	L4	0	0	0	0	0
Albumin	0	0	0	L5	0	0	0	0
Urine copper	0	0	0	0	L6	0	0	0
Alkaline phosphatase	0	0	0	0	0	L7	0	0
SGOT	0	0	0	0	0	0	L8	0
Triglycerides	0	0	0	0	0	0	0	L9
Platelet count	0	0	0	0	0	0	0	0
Prothrombin time	0	0	0	0	0	0	0	0
Treatment 1	0	0	0	0	0	0	0	0
Treatment 2	0	0	0	0	0	0	0	0
Gender 0	0	0	0	0	0	0	0	0
Gender 1	0	0	0	0	0	0	0	0
Ascites 0	0	0	0	0	0	0	0	0
Ascites 1	0	0	0	0	0	0	0	0
Hepatomegaly 0	0	0	0	0	0	0	0	0
Hepatomegaly 1	0	0	0	0	0	0	0	0
Spiders 0	0	0	0	0	0	0	0	0
Spiders 1	0	0	0	0	0	0	0	0
Edema 0	0	0	0	0	0	0	0	0
Edema 0.5	0	0	0	0	0	0	0	0

## Linear Models

## The GLM Procedure

Type III Estimable Functions								
Coefficients								
Platelet count	Prothrombin time	Treatment	Gender	Ascites	Hepatomegaly	Spiders	Edema	Histologic stage
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
L10	0	0	0	0	0	0	0	0
0	L11	0	0	0	0	0	0	0
0	0	L12	0	0	0	0	0	0
0	0	-L12	0	0	0	0	0	0
0	0	0	L14	0	0	0	0	0
0	0	0	-L14	0	0	0	0	0
0	0	0	0	L16	0	0	0	0
0	0	0	0	-L16	0	0	0	0
0	0	0	0	0	L18	0	0	0
0	0	0	0	0	-L18	0	0	0
0	0	0	0	0	0	L20	0	0
0	0	0	0	0	0	-L20	0	0
0	0	0	0	0	0	0	L22	0
0	0	0	0	0	0	0	L23	0

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Type III Estimable Functions								
Effect	Coefficients							
	Age	Bilirubin	Cholesterol	Albumin	Urine copper	Alkaline phosphatase	SGOT	Triglycerides
Edema 1	0	0	0	0	0	0	0	0
Histologic stage 1	0	0	0	0	0	0	0	0
Histologic stage 2	0	0	0	0	0	0	0	0
Histologic stage 3	0	0	0	0	0	0	0	0
Histologic stage 4	0	0	0	0	0	0	0	0

Type III Estimable Functions								
Coefficients								
Platelet count	Prothrombin time	Treatment	Gender	Ascites	Hepatomegaly	Spiders	Edema	Histologic stage
0	0	0	0	0	0	0	-L22-L23	0
0	0	0	0	0	0	0	0	L25
0	0	0	0	0	0	0	0	L26
0	0	0	0	0	0	0	0	L27
0	0	0	0	0	0	0	0	-L25-L26-L27

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Dependent Variable: Survival Time

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	129687385.2	6484369.3	7.85	<.0001
Error	255	210594843.2	825862.1		
Corrected Total	275	340282228.3			

R-Square	Coeff Var	Root MSE	Survival Time Mean
0.381117	45.91678	908.7696	1979.167

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Age	1	74638.54	74638.54	0.09	0.7639
Bilirubin	1	8295960.73	8295960.73	10.05	0.0017
Cholesterol	1	798911.86	798911.86	0.97	0.3263
Albumin	1	10053193.46	10053193.46	12.17	0.0006
Urine copper	1	5423736.99	5423736.99	6.57	0.0110
Alkaline phosphatase	1	11477135.35	11477135.35	13.90	0.0002
SGOT	1	259045.91	259045.91	0.31	0.5759
Triglycerides	1	234965.94	234965.94	0.28	0.5942
Platelet count	1	6612.14	6612.14	0.01	0.9288
Prothrombin time	1	3000001.90	3000001.90	3.63	0.0578
Treatment	1	158789.16	158789.16	0.19	0.6614
Gender	1	163832.86	163832.86	0.20	0.6564
Ascites	1	149211.66	149211.66	0.18	0.6712
Hepatomegaly	1	172260.51	172260.51	0.21	0.6483
Spiders	1	696492.69	696492.69	0.84	0.3593
Edema	2	1528260.27	764130.13	0.93	0.3978
Histologic stage	3	5952464.83	1984154.94	2.40	0.0681

Parameter	Estimate	Standard Error	t Value	Pr >  t
Intercept	-1985.205857	1048.454387	-1.89	0.0594
Age	-1.801094	5.991127	-0.30	0.7639
Bilirubin	-59.228769	18.687583	-3.17	0.0017
Cholesterol	-0.288650	0.293478	-0.98	0.3263
Albumin	577.034136	165.387720	3.49	0.0006
Urine copper	-2.033483	0.793497	-2.56	0.0110
Alkaline phosphatase	0.103325	0.027717	3.73	0.0002
SGOT	0.650532	1.161540	0.56	0.5759
Triglycerides	0.541197	1.014629	0.53	0.5942
Platelet count	0.058887	0.658114	0.09	0.9288
Prothrombin time	125.498887	65.846529	1.91	0.0578
Treatment 1	-50.166641	114.408522	-0.44	0.6614
Treatment 2	0.000000	.	.	.
Gender 0	-84.593143	189.927751	-0.45	0.6564

## Linear Models

### The GLM Procedure

Dependent Variable: Survival Time

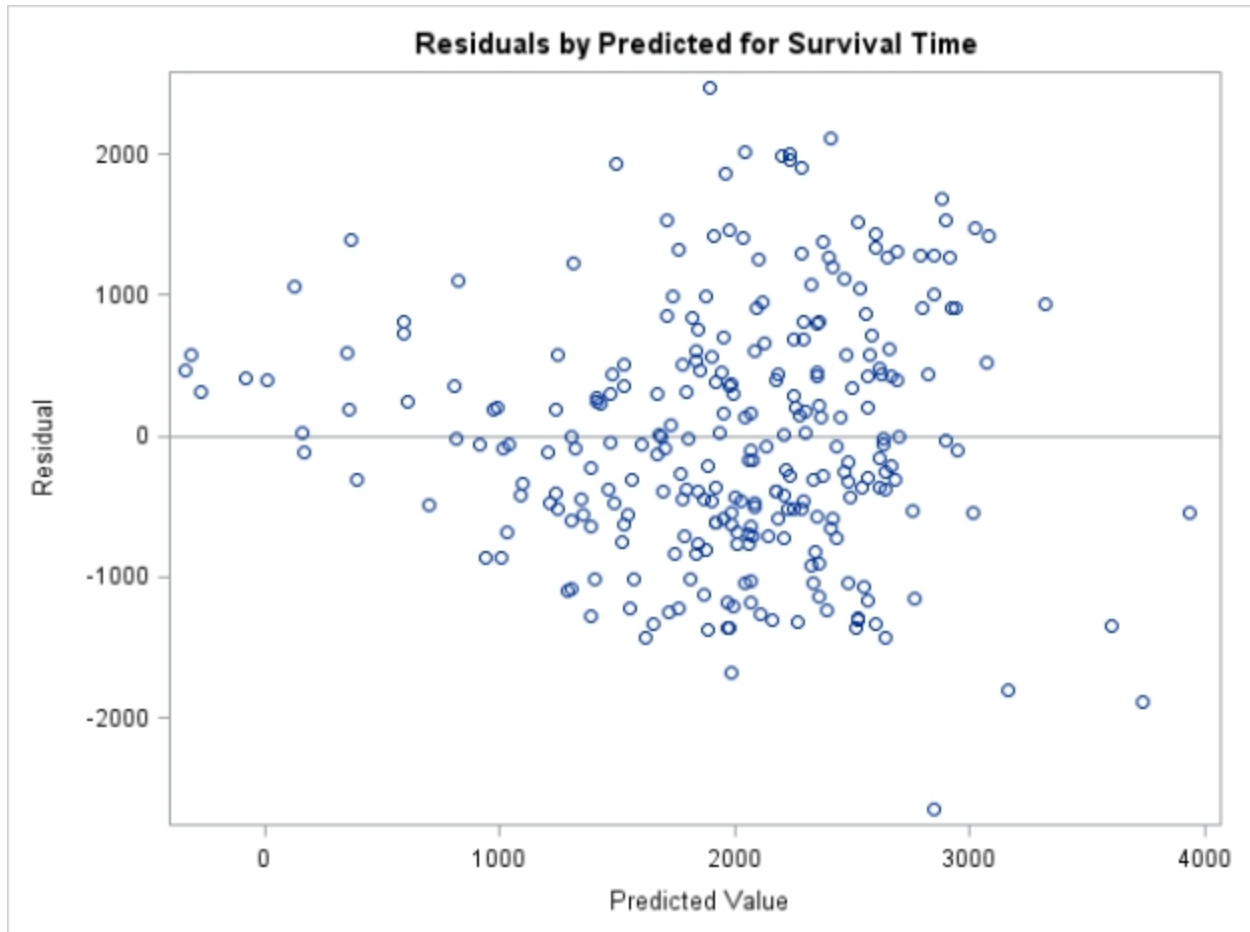
Parameter		Estimate	Standard Error	t Value	Pr >  t
Gender	1	0.000000	B	.	.
Ascites	0	138.431655	B	325.677534	0.43 0.6712
Ascites	1	0.000000	B	.	.
Hepatomegaly	0	61.144087	B	133.879900	0.46 0.6483
Hepatomegaly	1	0.000000	B	.	.
Spiders	0	128.164426	B	139.560652	0.92 0.3593
Spiders	1	0.000000	B	.	.
Edema	0	442.279736	B	337.641056	1.31 0.1914
Edema	0.5	294.376113	B	346.870044	0.85 0.3969
Edema	1	0.000000	B	.	.
Histologic stage	1	736.218771	B	312.515874	2.36 0.0192
Histologic stage	2	377.658349	B	184.514403	2.05 0.0417
Histologic stage	3	218.900135	B	155.097143	1.41 0.1594
Histologic stage	4	0.000000	B	.	.

## Linear Models

### The GLM Procedure

**Dependent Variable: Survival Time**

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

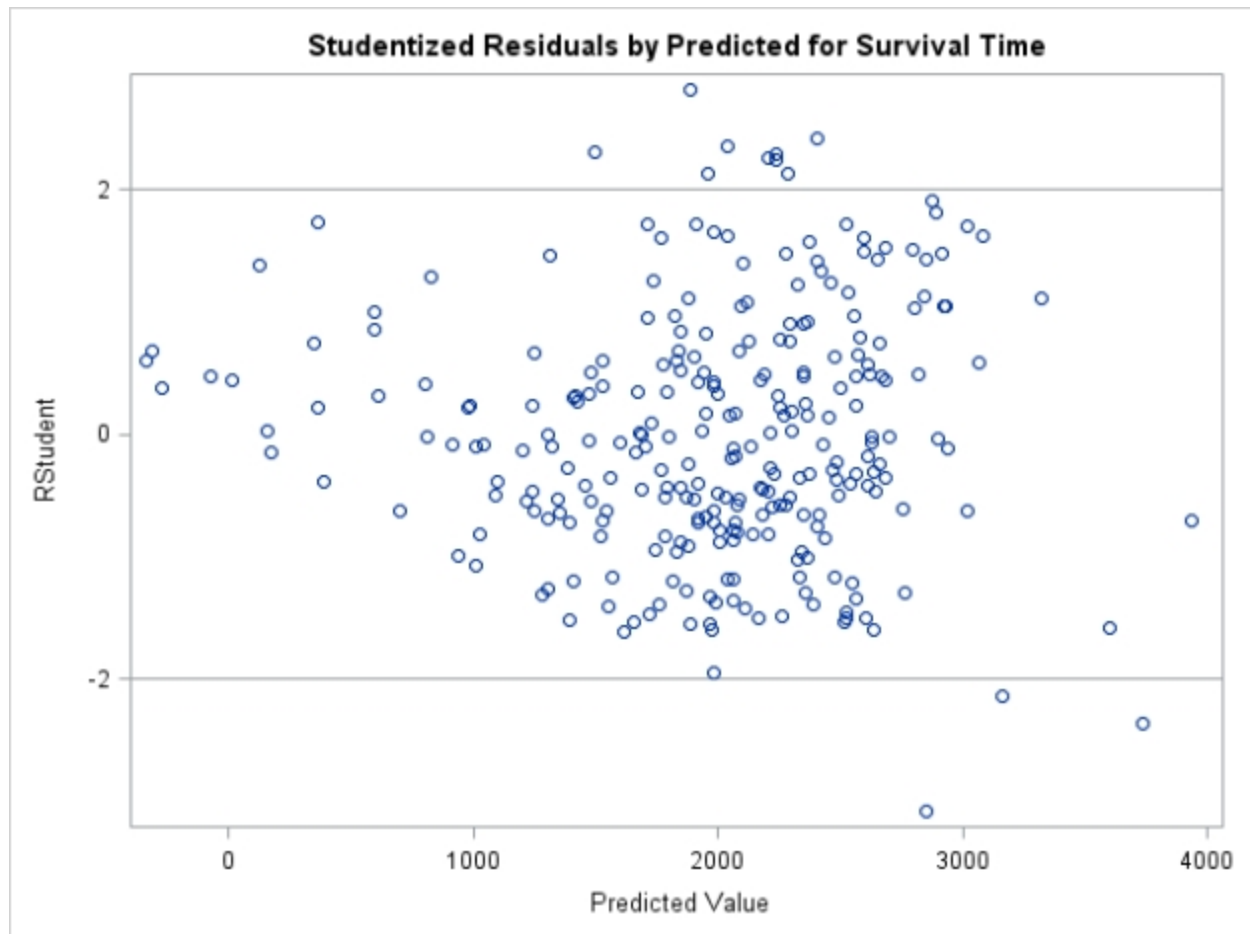


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### The GLM Procedure

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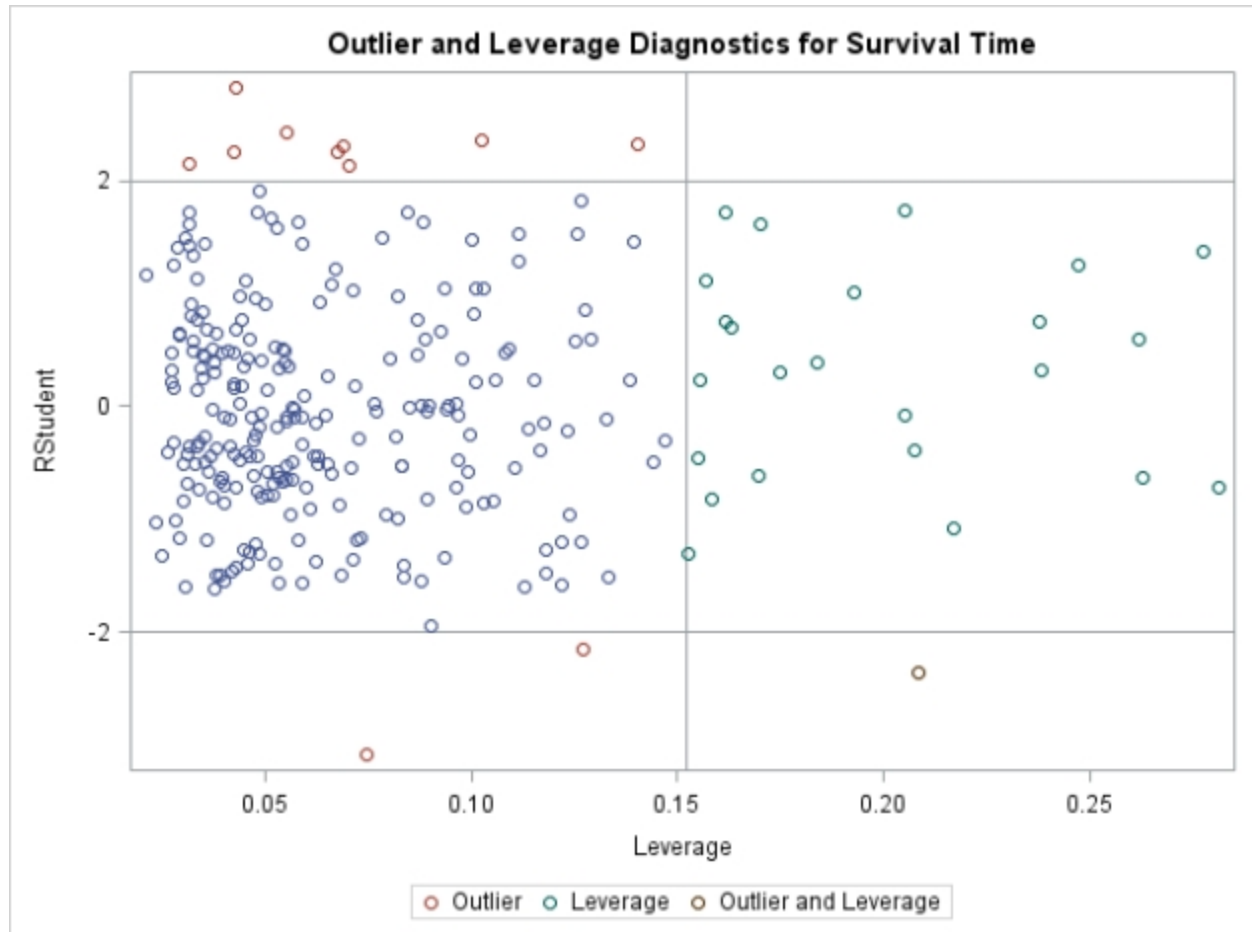


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### The GLM Procedure

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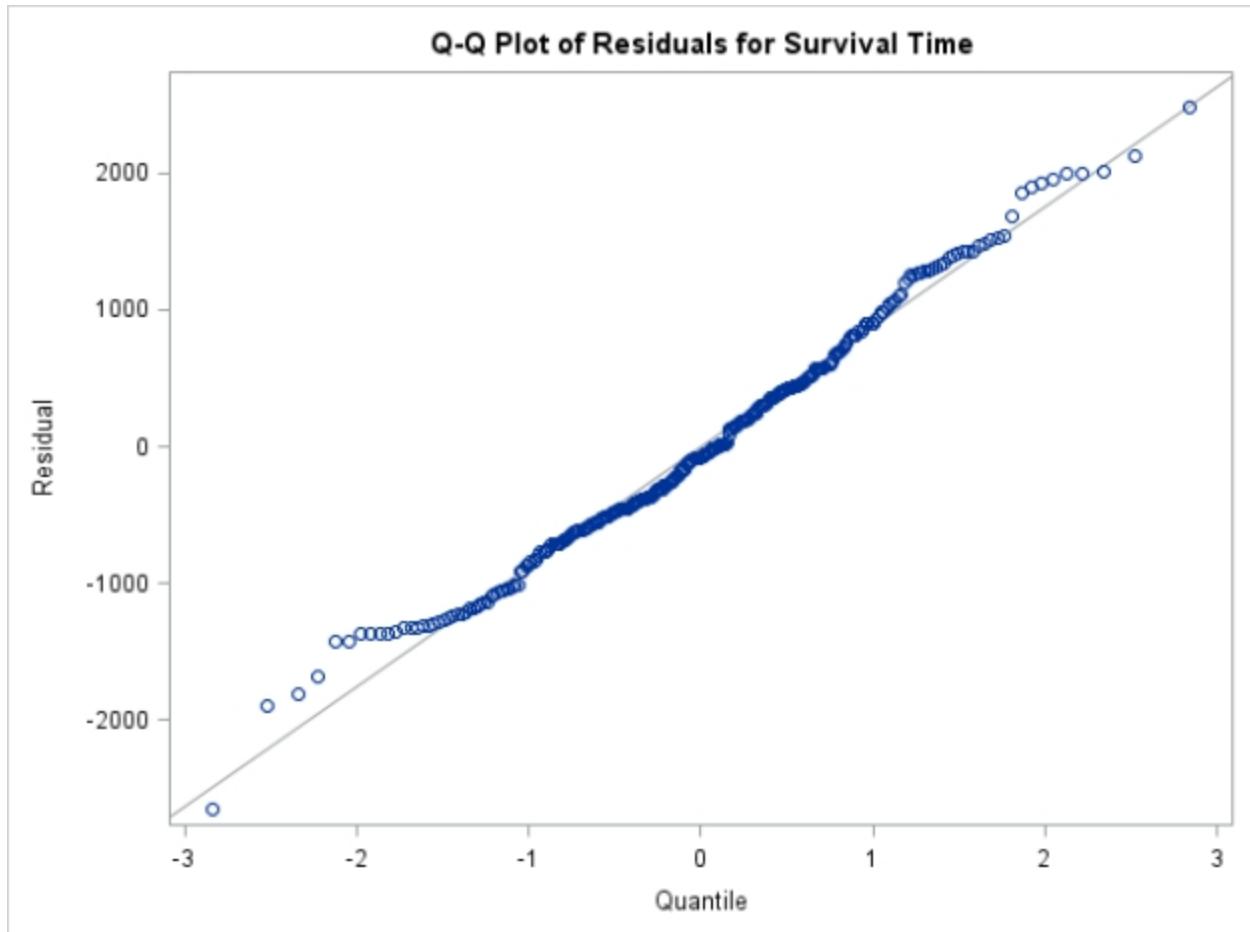


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### The GLM Procedure

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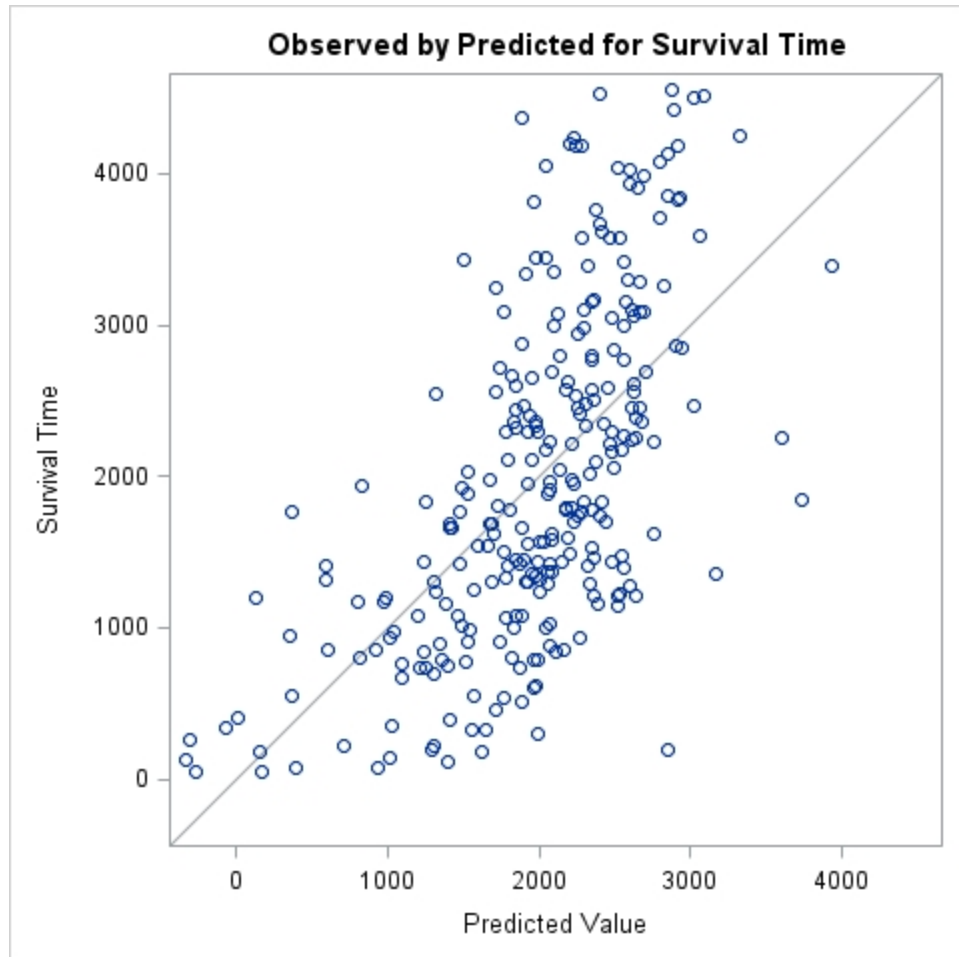


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### The GLM Procedure

#### Dependent Variable: Survival Time

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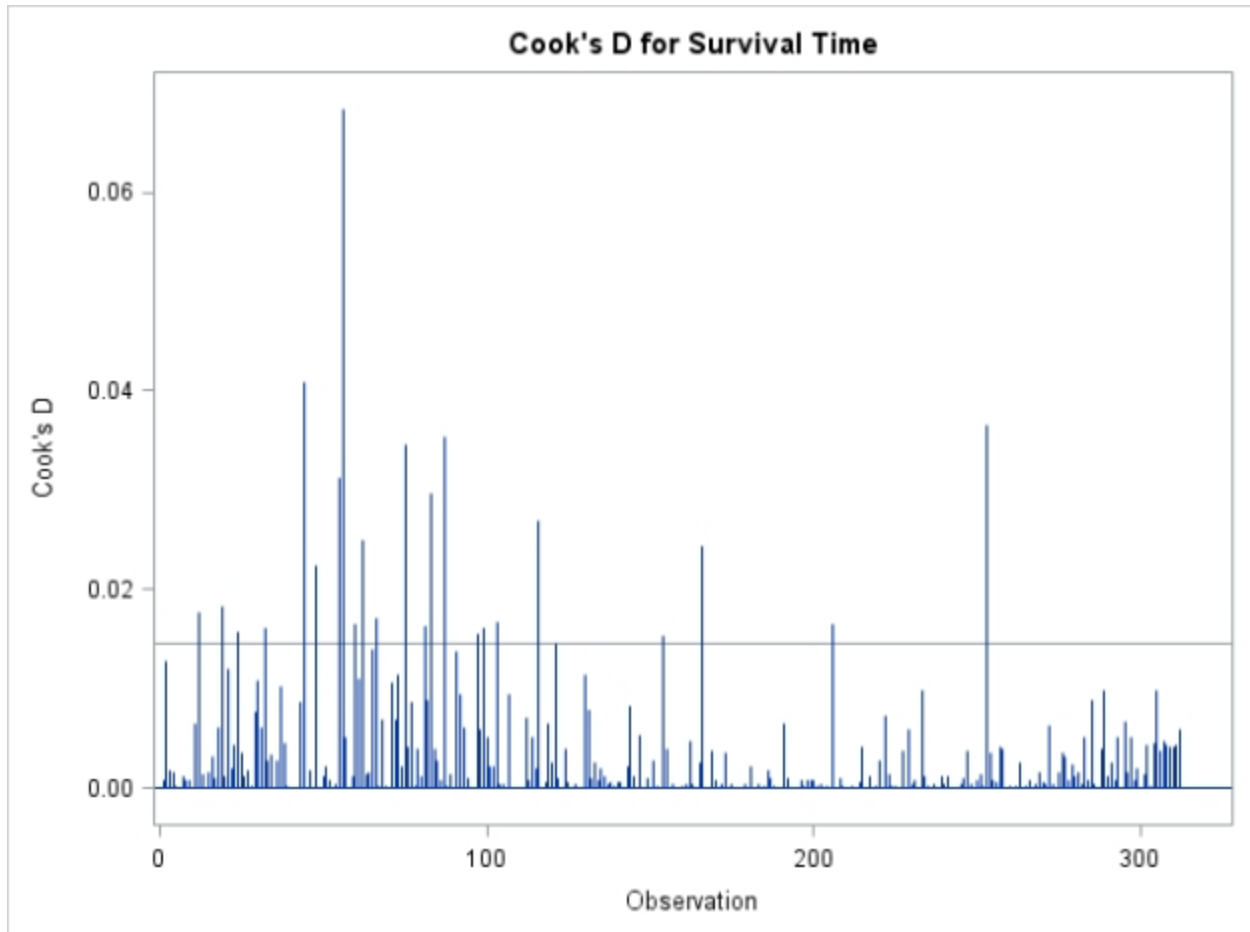


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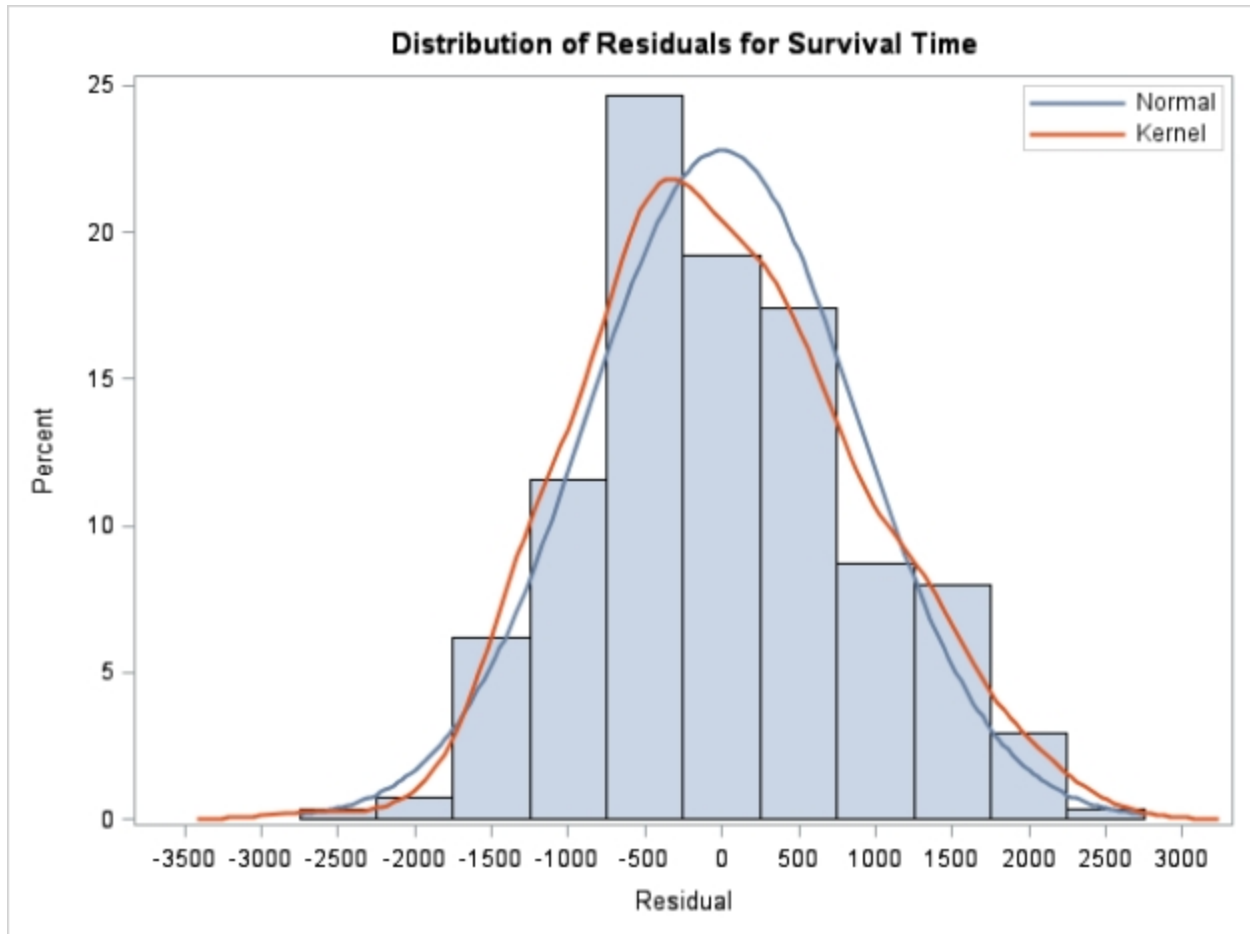


## Linear Models

### The GLM Procedure

**Dependent Variable: Survival Time**

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### The GLM Procedure

**Dependent Variable: Survival Time**

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