

The PHREG Procedure

Model Information	
Data Set	WORK.DATA
Dependent Variable	survival_time
Censoring Variable	status
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	48
Number of Observations Used	48

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
48	36	12	25.00

Step 1. Effect Bun is entered. The model contains the following effects:

Bun

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	207.453

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
AIC	215.940	209.453
SBC	215.940	211.037

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	8.4867	1	0.0036
Score	13.9357	1	0.0002
Wald	11.1712	1	0.0008

Step 2. Effect Hb is entered. The model contains the following effects:

Bun Hb

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	202.938
AIC	215.940	206.938
SBC	215.940	210.105

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	13.0017	2	0.0015
Score	17.7597	2	0.0001
Wald	14.8576	2	0.0006

Note: No (additional) effects met the 0.05 level for entry into the model.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
Bun	1	0.01857	0.00567	10.7121	0.0011	1.019
Hb	1	-0.13364	0.06205	4.6384	0.0313	0.875

Summary of Forward Selection					
Step	Effect Entered	DF	Number In	Score Chi-Square	Pr > ChiSq
1	Bun	1	1	13.9357	0.0002
2	Hb	1	2	4.7736	0.0289

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Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
48	36	12	25.00

Step 0. The model contains the following effects:

age is_male Bun Ca Hb Pcells Protein

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	199.701
AIC	215.940	213.701
SBC	215.940	224.786

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	16.2390	7	0.0230
Score	23.1127	7	0.0016
Wald	18.4471	7	0.0101

Step 1. Effect Ca is removed. The model contains the following effects:

age is_male Bun Hb Pcells Protein

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	199.711
AIC	215.940	211.711
SBC	215.940	221.212

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	16.2293	6	0.0126
Score	23.1125	6	0.0008
Wald	18.4783	6	0.0051

Step 2. Effect Pcells is removed. The model contains the following effects:

age is_male Bun Hb Protein

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	199.766
AIC	215.940	209.766
SBC	215.940	217.683

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	16.1740	5	0.0064
Score	23.1029	5	0.0003
Wald	18.5266	5	0.0024

Step 3. Effect is_male is removed. The model contains the following effects:

age Bun Hb Protein

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	200.166
AIC	215.940	208.166
SBC	215.940	214.500

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	15.7736	4	0.0033
Score	22.7548	4	0.0001
Wald	18.1222	4	0.0012

Step 4. Effect age is removed. The model contains the following effects:

Bun Hb Protein

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	200.503
AIC	215.940	206.503
SBC	215.940	211.253

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	15.4373	3	0.0015
Score	21.5006	3	<.0001
Wald	17.6359	3	0.0005

Step 5. Effect Protein is removed. The model contains the following effects:

Bun Hb

Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	215.940	202.938
AIC	215.940	206.938
SBC	215.940	210.105

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	13.0017	2	0.0015
Score	17.7597	2	0.0001
Wald	14.8576	2	0.0006

Note: No (additional) effects met the 0.05 level for removal from the model.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
Bun	1	0.01857	0.00567	10.7121	0.0011	1.019
Hb	1	-0.13364	0.06205	4.6384	0.0313	0.875

Summary of Backward Elimination					
Step	Effect Removed	DF	Number In	Wald Chi-Square	Pr > ChiSq
1	Ca	1	6	0.0098	0.9211
2	Pcells	1	5	0.0548	0.8149
3	is_male	1	4	0.3956	0.5294
4	age	1	3	0.3389	0.5605
5	Protein	1	2	2.3066	0.1288

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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Score	13.9357	1	0.0002
Wald	11.1712	1	0.0008

Step 2. Effect Hb is entered. The model contains the following effects:

Bun Hb

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Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
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AIC	215.940	206.938
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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	13.0017	2	0.0015
Score	17.7597	2	0.0001
Wald	14.8576	2	0.0006

Note: No (additional) effects met the 0.05 level for entry into the model.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
Bun	1	0.01857	0.00567	10.7121	0.0011	1.019
Hb	1	-0.13364	0.06205	4.6384	0.0313	0.875

Summary of Stepwise Selection							
Step	Effect		DF	Number In	Score Chi-Square	Wald Chi-Square	Pr > ChiSq
	Entered	Removed					
1	Bun		1	1	13.9357		0.0002
2	Hb		1	2	4.7736		0.0289