

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA
Dependent Variable	Log(time)
Censoring Variable	status
Censoring Value(s)	0
Number of Observations	37
Noncensored Values	17
Right Censored Values	20
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	9
Name of Distribution	Weibull
Log Likelihood	-36.53433756

Number of Observations Read	37
Number of Observations Used	37

Class Level Information		
Name	Levels	Values
type	3	1 2 3
preg	2	0 1
gvhd	2	0 1

Parameter Information			
Parameter	Effect	preg	gvhd
Intercept	Intercept		
rage	rage		
dage	dage		
is_type_two	is_type_two		
is_type_three	is_type_three		
preg0	preg	0	
preg1	preg	1	
index	index		
gvhd0	gvhd		0
gvhd1	gvhd		1

The LIFEREG Procedure

Fit Statistics	
-2 Log Likelihood	73.069
AIC (smaller is better)	91.069
AICC (smaller is better)	97.735
BIC (smaller is better)	105.567

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	248.501
Weibull AIC (smaller is better)	266.501
Weibull AICC (smaller is better)	273.168
Weibull BIC (smaller is better)	281.000

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
rage	1	0.0673	0.7953
dage	1	1.4143	0.2344
is_type_two	1	0.0917	0.7621
is_type_three	1	10.8968	0.0010
preg	1	0.2105	0.6464
index	1	0.3872	0.5338
gvhd	1	12.8012	0.0003

Analysis of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept		1	5.6607	1.4112	2.8948	8.4266	16.09	<.0001
rage		1	0.0103	0.0397	-0.0675	0.0880	0.07	0.7953
dage		1	-0.0409	0.0344	-0.1084	0.0265	1.41	0.2344
is_type_two		1	0.1855	0.6126	-1.0153	1.3862	0.09	0.7621
is_type_three		1	2.9802	0.9028	1.2107	4.7497	10.90	0.0010
preg	0	1	-0.3725	0.8119	-1.9638	1.2188	0.21	0.6464
preg	1	0	0.0000	.	.	.	.	.
index		1	0.0928	0.1491	-0.1994	0.3849	0.39	0.5338
gvhd	0	1	2.9207	0.8163	1.3207	4.5207	12.80	0.0003
gvhd	1	0	0.0000	.	.	.	.	.

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Scale		1	0.8808	0.1845	0.5842	1.3279		
Weibull Shape		1	1.1354	0.2379	0.7531	1.7119		

Estimated Covariance Matrix									
	Intercept	rage	dage	is_type_two	is_type_three	preg0	index	gvhd0	Scale
Intercept	1.991475	-0.028610	-0.028914	0.106268	0.404348	-0.673969	-0.025303	0.022207	0.028353
rage	-0.028610	0.001573	-0.000372	-0.013593	-0.009598	0.013882	-0.002067	0.001045	-0.001018
dage	-0.028914	-0.000372	0.001185	0.003368	-0.007329	0.008267	0.000835	-0.005031	-0.000676
is_type_two	0.106268	-0.013593	0.003368	0.375315	0.124024	-0.050311	0.023854	-0.143658	0.001275
is_type_three	0.404348	-0.009598	-0.007329	0.124024	0.815064	-0.392172	0.018668	0.302246	0.057865
preg0	-0.673969	0.013882	0.008267	-0.050311	-0.392172	0.659168	-0.047553	-0.396247	-0.024468
index	-0.025303	-0.002067	0.000835	0.023854	0.018668	-0.047553	0.022224	0.053772	0.006009
gvhd0	0.022207	0.001045	-0.005031	-0.143658	0.302246	-0.396247	0.053772	0.666397	0.055300
Scale	0.028353	-0.001018	-0.000676	0.001275	0.057865	-0.024468	0.006009	0.055300	0.034044