The CONTENTS Procedure

Data Set Name	WORK.MYDATA	**Observations**	299
Member Type	DATA	**Variables**	13
Engine	V9	**Indexes**	0
Created	08/13/2025 17:14:57	**Observation Length**	104
Last Modified	08/13/2025 17:14:57	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1258
Obs in First Data Page	299
Number of Data Set Repairs	0
Filename	/saswork/SAS_work417F00006A3C_odaws02-apse1-2.oda.sas.com/SAS_work6EF400006A3C_odaws02-apse1-2.oda.sas.com/mydata.sas7bdat
Release Created	9.0401M8
Host Created	Linux
Inode Number	201326644
Access Permission	rw-r--r--
Owner Name	u64153637
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat
13	DEATH_EVENT	Num	8	BEST12.	BEST32.
1	age	Num	8	BEST12.	BEST32.
2	anaemia	Num	8	BEST12.	BEST32.
3	creatinine_phosphokinase	Num	8	BEST12.	BEST32.
4	diabetes	Num	8	BEST12.	BEST32.
5	ejection_fraction	Num	8	BEST12.	BEST32.
6	high_blood_pressure	Num	8	BEST12.	BEST32.
7	platelets	Num	8	BEST12.	BEST32.
8	serum_creatinine	Num	8	BEST12.	BEST32.
9	serum_sodium	Num	8	BEST12.	BEST32.
10	sex	Num	8	BEST12.	BEST32.
11	smoking	Num	8	BEST12.	BEST32.
12	time	Num	8	BEST12.	BEST32.

Obs	age	anaemia	creatinine_phosphokinase	diabetes	ejection_fraction	high_blood_pressure	platelets	serum_creatinine	serum_sodium	sex	smoking	time	DEATH_EVENT
1	75	0	582	0	20	1	265000	1.9	130	1	0	4	1
2	55	0	7861	0	38	0	263358.03	1.1	136	1	0	6	1
3	65	0	146	0	20	0	162000	1.3	129	1	1	7	1
4	50	1	111	0	20	0	210000	1.9	137	1	0	7	1
5	65	1	160	1	20	0	327000	2.7	116	0	0	8	1
6	90	1	47	0	40	1	204000	2.1	132	1	1	8	1
7	75	1	246	0	15	0	127000	1.2	137	1	0	10	1
8	60	1	315	1	60	0	454000	1.1	131	1	1	10	1
9	65	0	157	0	65	0	263358.03	1.5	138	0	0	10	1
10	80	1	123	0	35	1	388000	9.4	133	1	1	10	1

Unadjusted Kaplan-Meier Survival Curves by High Blood Pressure

The LIFETEST Procedure

Stratum 1: high_blood_pressure = 0

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.000		1.0000	0	0	0	194
6.000		0.9948	0.00515	0.00514	1	193
7.000		.	.	.	2	192
7.000		0.9845	0.0155	0.00886	3	191
8.000		0.9794	0.0206	0.0102	4	190
10.000		.	.	.	5	189
10.000		.	.	.	6	188
10.000		0.9639	0.0361	0.0134	7	187
11.000		0.9588	0.0412	0.0143	8	186
13.000		0.9536	0.0464	0.0151	9	185
14.000		.	.	.	10	184
14.000		0.9433	0.0567	0.0166	11	183
15.000		0.9381	0.0619	0.0173	12	182
22.000	*	.	.	.	12	181
23.000		0.9330	0.0670	0.0180	13	180
26.000		.	.	.	14	179
26.000		0.9226	0.0774	0.0192	15	178
28.000		0.9174	0.0826	0.0198	16	177
29.000	*	.	.	.	16	176
30.000		.	.	.	17	175
30.000		.	.	.	18	174
30.000		0.9018	0.0982	0.0214	19	173
30.000	*	.	.	.	19	172
33.000		0.8965	0.1035	0.0219	20	171
35.000		0.8913	0.1087	0.0224	21	170
42.000		0.8860	0.1140	0.0229	22	169
43.000		0.8808	0.1192	0.0233	23	168
45.000		0.8756	0.1244	0.0238	24	167
50.000		0.8703	0.1297	0.0242	25	166
54.000	*	.	.	.	25	165
54.000	*	.	.	.	25	164
60.000	*	.	.	.	25	163
61.000		0.8650	0.1350	0.0246	26	162
63.000	*	.	.	.	26	161
64.000		0.8596	0.1404	0.0251	27	160
65.000		.	.	.	28	159
65.000		0.8489	0.1511	0.0259	29	158
66.000		0.8435	0.1565	0.0263	30	157
67.000		0.8381	0.1619	0.0266	31	156
68.000	*	.	.	.	31	155
71.000	*	.	.	.	31	154
72.000		0.8327	0.1673	0.0270	32	153
72.000	*	.	.	.	32	152
73.000		.	.	.	33	151
73.000		0.8217	0.1783	0.0278	34	150
74.000	*	.	.	.	34	149
75.000	*	.	.	.	34	148
76.000	*	.	.	.	34	147
77.000		0.8161	0.1839	0.0281	35	146
79.000	*	.	.	.	35	145
80.000	*	.	.	.	35	144
80.000	*	.	.	.	35	143
82.000		0.8104	0.1896	0.0285	36	142
82.000	*	.	.	.	36	141
85.000	*	.	.	.	36	140
86.000	*	.	.	.	36	139
87.000	*	.	.	.	36	138
87.000	*	.	.	.	36	137
87.000	*	.	.	.	36	136
88.000	*	.	.	.	36	135
88.000	*	.	.	.	36	134
88.000	*	.	.	.	36	133
88.000	*	.	.	.	36	132
90.000		.	.	.	37	131

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
90.000		0.7981	0.2019	0.0294	38	130
90.000	*	.	.	.	38	129
90.000	*	.	.	.	38	128
91.000	*	.	.	.	38	127
94.000	*	.	.	.	38	126
95.000		0.7918	0.2082	0.0298	39	125
95.000	*	.	.	.	39	124
96.000		0.7854	0.2146	0.0302	40	123
97.000	*	.	.	.	40	122
104.000	*	.	.	.	40	121
105.000	*	.	.	.	40	120
107.000	*	.	.	.	40	119
107.000	*	.	.	.	40	118
107.000	*	.	.	.	40	117
107.000	*	.	.	.	40	116
108.000	*	.	.	.	40	115
108.000	*	.	.	.	40	114
109.000		0.7785	0.2215	0.0307	41	113
109.000	*	.	.	.	41	112
109.000	*	.	.	.	41	111
112.000	*	.	.	.	41	110
112.000	*	.	.	.	41	109
113.000		0.7714	0.2286	0.0313	42	108
113.000	*	.	.	.	42	107
119.000	*	.	.	.	42	106
120.000	*	.	.	.	42	105
120.000	*	.	.	.	42	104
120.000	*	.	.	.	42	103
121.000	*	.	.	.	42	102
121.000	*	.	.	.	42	101
123.000	*	.	.	.	42	100
126.000		0.7637	0.2363	0.0319	43	99
129.000		0.7560	0.2440	0.0325	44	98
134.000	*	.	.	.	44	97
135.000		0.7482	0.2518	0.0331	45	96
140.000	*	.	.	.	45	95
145.000	*	.	.	.	45	94
146.000	*	.	.	.	45	93
146.000	*	.	.	.	45	92
146.000	*	.	.	.	45	91
147.000	*	.	.	.	45	90
147.000	*	.	.	.	45	89
147.000	*	.	.	.	45	88
147.000	*	.	.	.	45	87
148.000	*	.	.	.	45	86
150.000		0.7395	0.2605	0.0338	46	85
154.000		0.7308	0.2692	0.0345	47	84
170.000		0.7221	0.2779	0.0352	48	83
171.000		0.7134	0.2866	0.0358	49	82
172.000		.	.	.	50	81
172.000		0.6960	0.3040	0.0370	51	80
174.000	*	.	.	.	51	79
174.000	*	.	.	.	51	78
175.000	*	.	.	.	51	77
180.000		0.6869	0.3131	0.0376	52	76
180.000	*	.	.	.	52	75
186.000	*	.	.	.	52	74
186.000	*	.	.	.	52	73
186.000	*	.	.	.	52	72
187.000	*	.	.	.	52	71
187.000	*	.	.	.	52	70
187.000	*	.	.	.	52	69
187.000	*	.	.	.	52	68
187.000	*	.	.	.	52	67

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
192.000	*	.	.	.	52	66
197.000	*	.	.	.	52	65
198.000		0.6764	0.3236	0.0385	53	64
200.000	*	.	.	.	53	63
201.000	*	.	.	.	53	62
201.000	*	.	.	.	53	61
205.000	*	.	.	.	53	60
205.000	*	.	.	.	53	59
205.000	*	.	.	.	53	58
207.000		0.6647	0.3353	0.0396	54	57
207.000	*	.	.	.	54	56
207.000	*	.	.	.	54	55
208.000	*	.	.	.	54	54
209.000	*	.	.	.	54	53
209.000	*	.	.	.	54	52
209.000	*	.	.	.	54	51
210.000	*	.	.	.	54	50
210.000	*	.	.	.	54	49
211.000	*	.	.	.	54	48
212.000	*	.	.	.	54	47
212.000	*	.	.	.	54	46
213.000	*	.	.	.	54	45
213.000	*	.	.	.	54	44
214.000		0.6496	0.3504	0.0414	55	43
214.000	*	.	.	.	55	42
214.000	*	.	.	.	55	41
214.000	*	.	.	.	55	40
215.000	*	.	.	.	55	39
220.000	*	.	.	.	55	38
230.000	*	.	.	.	55	37
231.000	*	.	.	.	55	36
233.000	*	.	.	.	55	35
233.000	*	.	.	.	55	34
235.000		0.6305	0.3695	0.0444	56	33
237.000	*	.	.	.	56	32
237.000	*	.	.	.	56	31
240.000	*	.	.	.	56	30
241.000		0.6095	0.3905	0.0476	57	29
244.000	*	.	.	.	57	28
244.000	*	.	.	.	57	27
244.000	*	.	.	.	57	26
244.000	*	.	.	.	57	25
245.000	*	.	.	.	57	24
245.000	*	.	.	.	57	23
245.000	*	.	.	.	57	22
245.000	*	.	.	.	57	21
246.000	*	.	.	.	57	20
246.000	*	.	.	.	57	19
246.000	*	.	.	.	57	18
247.000	*	.	.	.	57	17
250.000	*	.	.	.	57	16
250.000	*	.	.	.	57	15
250.000	*	.	.	.	57	14
250.000	*	.	.	.	57	13
250.000	*	.	.	.	57	12
250.000	*	.	.	.	57	11
250.000	*	.	.	.	57	10
256.000	*	.	.	.	57	9
256.000	*	.	.	.	57	8
257.000	*	.	.	.	57	7
258.000	*	.	.	.	57	6
258.000	*	.	.	.	57	5
270.000	*	.	.	.	57	4
271.000	*	.	.	.	57	3

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
278.000	*	.	.	.	57	2
280.000	*	.	.	.	57	1
285.000	*	.	.	.	57	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable time

Quartile Estimates				
	Point	95% Confidence Interval		
Percent	Estimate	Transform	[Lower	Upper)
75	.	LOGLOG	.	.
50	.	LOGLOG	.	.
25	135.000	LOGLOG	82.000	198.000

Mean	Standard Error
188.425	6.190

Note: The mean survival time and its standard error were underestimated because the largest observation was censored and the estimation was restricted to the largest event time.

Unadjusted Kaplan-Meier Survival Curves by High Blood Pressure

The LIFETEST Procedure

Stratum 2: high_blood_pressure = 1

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.000		1.0000	0	0	0	105
4.000		0.9905	0.00952	0.00948	1	104
8.000		0.9810	0.0190	0.0133	2	103
10.000		.	.	.	3	102
10.000		.	.	.	4	101
10.000		0.9524	0.0476	0.0208	5	100
11.000		0.9429	0.0571	0.0227	6	99
12.000	*	.	.	.	6	98
15.000		0.9332	0.0668	0.0244	7	97
16.000	*	.	.	.	7	96
20.000		.	.	.	8	95
20.000		0.9138	0.0862	0.0275	9	94
23.000		0.9041	0.0959	0.0289	10	93
24.000		0.8944	0.1056	0.0301	11	92
26.000		0.8846	0.1154	0.0313	12	91
27.000		0.8749	0.1251	0.0325	13	90
28.000		0.8652	0.1348	0.0335	14	89
29.000		0.8555	0.1445	0.0345	15	88
30.000		0.8457	0.1543	0.0355	16	87
31.000		0.8360	0.1640	0.0364	17	86
32.000		0.8263	0.1737	0.0372	18	85
33.000		0.8166	0.1834	0.0380	19	84
33.000	*	.	.	.	19	83
38.000		0.8067	0.1933	0.0388	20	82
40.000		0.7969	0.2031	0.0396	21	81
41.000		0.7871	0.2129	0.0403	22	80
43.000		.	.	.	23	79
43.000		0.7674	0.2326	0.0416	24	78
44.000		0.7576	0.2424	0.0422	25	77
55.000		0.7477	0.2523	0.0428	26	76
59.000		0.7379	0.2621	0.0434	27	75
60.000		.	.	.	28	74
60.000		0.7182	0.2818	0.0444	29	73
74.000	*	.	.	.	29	72
74.000	*	.	.	.	29	71
74.000	*	.	.	.	29	70

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
78.000		0.7079	0.2921	0.0449	30	69
78.000	*	.	.	.	30	68
79.000	*	.	.	.	30	67
79.000	*	.	.	.	30	66
79.000	*	.	.	.	30	65
79.000	*	.	.	.	30	64
83.000	*	.	.	.	30	63
83.000	*	.	.	.	30	62
83.000	*	.	.	.	30	61
85.000	*	.	.	.	30	60
87.000	*	.	.	.	30	59
87.000	*	.	.	.	30	58
88.000		0.6957	0.3043	0.0458	31	57
91.000	*	.	.	.	31	56
94.000	*	.	.	.	31	55
94.000	*	.	.	.	31	54
95.000	*	.	.	.	31	53
95.000	*	.	.	.	31	52
95.000	*	.	.	.	31	51
100.000		0.6821	0.3179	0.0469	32	50
104.000	*	.	.	.	32	49
106.000	*	.	.	.	32	48
107.000	*	.	.	.	32	47
107.000	*	.	.	.	32	46
108.000	*	.	.	.	32	45
110.000	*	.	.	.	32	44
111.000		0.6666	0.3334	0.0483	33	43
115.000		0.6511	0.3489	0.0496	34	42
115.000	*	.	.	.	34	41
117.000	*	.	.	.	34	40
118.000	*	.	.	.	34	39
120.000	*	.	.	.	34	38
121.000	*	.	.	.	34	37
121.000	*	.	.	.	34	36
130.000		0.6330	0.3670	0.0514	35	35
145.000	*	.	.	.	35	34
146.000	*	.	.	.	35	33
146.000	*	.	.	.	35	32
162.000		0.6132	0.3868	0.0535	36	31
172.000	*	.	.	.	36	30
174.000	*	.	.	.	36	29
180.000		0.5921	0.4079	0.0557	37	28
185.000	*	.	.	.	37	27
186.000	*	.	.	.	37	26
186.000	*	.	.	.	37	25
186.000	*	.	.	.	37	24
187.000	*	.	.	.	37	23
187.000	*	.	.	.	37	22
188.000	*	.	.	.	37	21
192.000	*	.	.	.	37	20
193.000		0.5625	0.4375	0.0602	38	19
194.000	*	.	.	.	38	18
195.000	*	.	.	.	38	17
196.000		0.5294	0.4706	0.0652	39	16
196.000	*	.	.	.	39	15
197.000	*	.	.	.	39	14
206.000	*	.	.	.	39	13
209.000	*	.	.	.	39	12
209.000	*	.	.	.	39	11
212.000	*	.	.	.	39	10
213.000	*	.	.	.	39	9
214.000	*	.	.	.	39	8
215.000	*	.	.	.	39	7
215.000	*	.	.	.	39	6

Product-Limit Survival Estimates						
time		Survival	Failure	Survival Standard Error	Number Failed	Number Left
215.000	*	.	.	.	39	5
216.000	*	.	.	.	39	4
230.000	*	.	.	.	39	3
244.000	*	.	.	.	39	2
245.000	*	.	.	.	39	1
270.000	*	.	.	.	39	0

Note: The marked survival times are censored observations.

Summary Statistics for Time Variable time

Quartile Estimates				
Percent	Point Estimate	95% Confidence Interval		
		Transform	[Lower	Upper)
75	.	LOGLOG	.	.
50	.	LOGLOG	162.000	.
25	55.000	LOGLOG	31.000	115.000

Mean	Standard Error
140.603	7.573

Note: The mean survival time and its standard error were underestimated because the largest observation was censored and the estimation was restricted to the largest event time.

Summary of the Number of Censored and Uncensored Values					
Stratum	high_blood_pressure	Total	Failed	Censored	Percent Censored
1	0	194	57	137	70.62
2	1	105	39	66	62.86
Total		299	96	203	67.89

Unadjusted Kaplan-Meier Survival Curves by High Blood Pressure

The LIFETEST Procedure

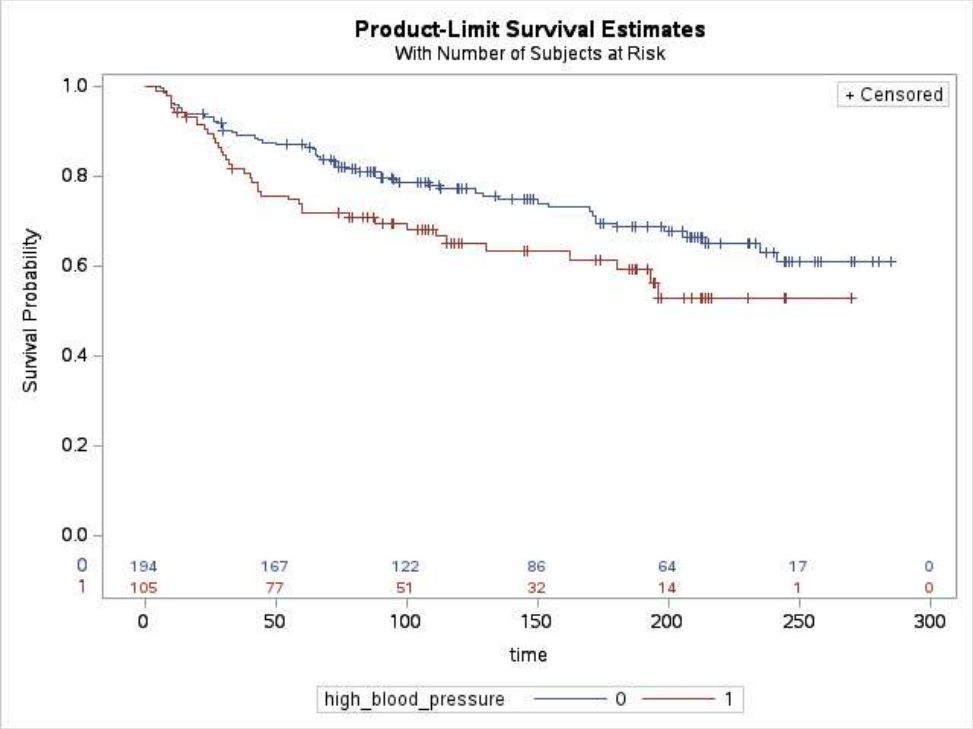
Testing Homogeneity of Survival Curves for time over Strata

Rank Statistics		
high_blood_pressure	Log-Rank	Wilcoxon
0	-9.4224	-2345.0
1	9.4224	2345.0

Covariance Matrix for the Log-Rank Statistics		
high_blood_pressure	0	1
0	20.1492	-20.1492
1	-20.1492	20.1492

Covariance Matrix for the Wilcoxon Statistics		
high_blood_pressure	0	1
0	1116023	-1116023
1	-1116023	1116023

Test of Equality over Strata			
Test	Chi-Square	DF	Pr > Chi-Square
Log-Rank	4.4062	1	0.0358
Wilcoxon	4.9273	1	0.0264
-2Log(LR)	5.3408	1	0.0208



Adjusted Cox Survival Curves by hign BP

The PHREG Procedure

Model Information	
Data Set	WORK.MYDATA
Dependent Variable	time
Censoring Variable	DEATH_EVENT
Censoring Value(s)	0
Ties Handling	BRESLOW

Number of Observations Read	299
Number of Observations Used	299

Class Level Information		
Class	Value	Design Variables
high_blood_pressure	0	1
	1	0

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
299	96	203	67.89

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1018.743	938.968
AIC	1018.743	952.968
SBC	1018.743	970.918

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	79.7754	7	<.0001
Score	86.9589	7	<.0001
Wald	87.5127	7	<.0001

Type 3 Tests			
Effect	DF	Wald Chi-Square	Pr > ChiSq

Type 3 Tests			
Effect	DF	Wald Chi-Square	Pr > ChiSq
high_blood_pressure	1	5.2980	0.0213
age	1	24.0390	<.0001
ejection_fraction	1	21.0576	<.0001
serum_creatinine	1	19.7617	<.0001
anaemia	1	4.2186	0.0400
creatinine_phosphoki	1	4.5685	0.0326
serum_sodium	1	3.8942	0.0485

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
high_blood_pressure	0	1	-0.49218	0.21383	5.2980	0.0213	0.611	high_blood_pressure 0
age		1	0.04335	0.00884	24.0390	<.0001	1.044	
ejection_fraction		1	-0.04732	0.01031	21.0576	<.0001	0.954	
serum_creatinine		1	0.30446	0.06849	19.7617	<.0001	1.356	
anaemia		1	0.44183	0.21511	4.2186	0.0400	1.556	
creatinine_phosphoki		1	0.0002097	0.0000981	4.5685	0.0326	1.000	
serum_sodium		1	-0.04600	0.02331	3.8942	0.0485	0.955	

Effect of High BP: Hazard Ratios for high_blood_pressure			
Description	Point Estimate	95% Wald Confidence Limits	
high_blood_pressure 0 vs 1	0.611	0.402	0.930