

Obs	id	admitdate	foldate	los	lenfol	fstat	age	gender	bmi	time_yrs
1	1	03/13/19	03/19/19	4	6	1	65	0	31.3813	0.01643
2	2	01/14/19	01/23/19	5	374	1	88	1	22.6579	1.02396
3	3	02/17/19	10/04/20	5	2421	1	77	0	27.8789	6.62834
4	4	04/07/19	07/14/19	9	98	1	81	1	21.4788	0.26831
5	5	02/09/19	05/29/19	4	1205	1	78	0	30.7060	3.29911

The LIFEREG Procedure

Model Information	
Data Set	SURVIVAL.WHAS100
Dependent Variable	Log(time_yrs)
Censoring Variable	fstat
Censoring Value(s)	0
Number of Observations	100
Noncensored Values	51
Right Censored Values	49
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-147.334973

Number of Observations Read	100
Number of Observations Used	100

Fit Statistics	
-2 Log Likelihood	294.670
AIC (smaller is better)	296.670
AICC (smaller is better)	296.711
BIC (smaller is better)	299.275

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	315.137
Exponential AIC (smaller is better)	317.137
Exponential AICC (smaller is better)	317.178
Exponential BIC (smaller is better)	319.742

Algorithm converged.

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	2.0896	0.1400	1.8151	2.3640	222.68	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Scale	1	8.0815	1.1316	6.1419	10.6337		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.6314	0.0314

Obs	_MODEL_	_NAME_	_TYPE_	_DIST_	_STATUS_	_LNLIKE_	time_yrs	Intercept	_SCALE_
1		time_yrs	PARMS	Exponential	0 Converged	-147.335	-1	2.08958	1

Obs	id	admitdate	foldate	los	lenfol	fstat	age	gender	bmi	time_yrs	_PROB_	xb	cr
1	1	03/13/19	03/19/19	4	6	1	65	0	31.3813	0.01643	0.5	2.08958	0.00203
2	2	01/14/19	01/23/19	5	374	1	88	1	22.6579	1.02396	0.5	2.08958	0.12670
3	3	02/17/19	10/04/20	5	2421	1	77	0	27.8789	6.62834	0.5	2.08958	0.82019
4	4	04/07/19	07/14/19	9	98	1	81	1	21.4788	0.26831	0.5	2.08958	0.03320
5	5	02/09/19	05/29/19	4	1205	1	78	0	30.7060	3.29911	0.5	2.08958	0.40823
6	6	01/16/19	09/11/20	7	2065	1	82	1	26.4529	5.65366	0.5	2.08958	0.69958
7	7	01/17/19	10/15/19	3	1002	1	66	1	35.7115	2.74333	0.5	2.08958	0.33946
8	8	11/15/19	11/24/20	56	2201	1	81	1	28.2768	6.02601	0.5	2.08958	0.74566
9	9	08/18/19	02/23/19	5	189	1	76	0	27.1208	0.51745	0.5	2.08958	0.06403
10	10	07/22/19	12/31/20	9	2719	0	40	0	21.7897	7.44422	0.5	2.08958	0.92114
11	11	10/11/19	12/31/20	6	2638	0	73	1	28.4334	7.22245	0.5	2.08958	0.89370
12	12	05/26/19	09/29/19	11	492	1	83	0	24.6618	1.34702	0.5	2.08958	0.16668
13	13	05/21/19	03/18/19	6	302	1	64	1	27.4641	0.82683	0.5	2.08958	0.10231
14	14	12/14/19	12/31/20	10	2574	0	58	0	29.8376	7.04723	0.5	2.08958	0.87202
15	15	11/08/19	12/31/20	7	2610	0	43	0	22.9578	7.14579	0.5	2.08958	0.88422
16	16	10/08/19	12/31/20	5	2641	0	39	0	30.1088	7.23066	0.5	2.08958	0.89472
17	17	10/17/19	05/12/20	6	1669	1	66	0	31.9974	4.56947	0.5	2.08958	0.56542
18	18	10/30/19	01/05/20	9	2624	1	61	0	30.7142	7.18412	0.5	2.08958	0.88896
19	19	12/10/19	12/31/20	6	2578	0	49	0	25.6955	7.05818	0.5	2.08958	0.87338
20	20	11/23/19	12/31/20	5	2595	0	53	1	30.1202	7.10472	0.5	2.08958	0.87914
21	21	10/05/19	02/05/19	6	123	1	85	0	18.4104	0.33676	0.5	2.08958	0.04167
22	22	11/05/19	12/31/20	8	2613	0	69	1	37.6010	7.15400	0.5	2.08958	0.88523
23	23	09/09/19	10/22/19	4	774	1	54	0	28.9753	2.11910	0.5	2.08958	0.26222
24	24	09/09/19	03/13/20	14	2012	1	82	0	19.9010	5.50856	0.5	2.08958	0.68163
25	25	12/15/19	12/31/20	4	2573	0	67	1	28.3224	7.04449	0.5	2.08958	0.87168
26	26	12/03/19	01/19/20	11	1874	1	89	1	23.4361	5.13073	0.5	2.08958	0.63487
27	27	10/18/19	12/31/20	2	2631	0	68	0	26.4469	7.20329	0.5	2.08958	0.89133
28	28	03/16/19	06/04/20	7	1907	1	78	0	28.2060	5.22108	0.5	2.08958	0.64605
29	29	10/25/19	04/15/19	5	538	1	56	0	24.1200	1.47296	0.5	2.08958	0.18226
30	30	10/06/19	01/18/19	4	104	1	85	1	36.7165	0.28474	0.5	2.08958	0.03523
31	31	09/03/19	09/09/19	4	6	1	72	0	27.9791	0.01643	0.5	2.08958	0.00203
32	32	06/30/19	05/01/19	5	1401	1	50	0	20.3630	3.83573	0.5	2.08958	0.47463
33	33	07/22/19	12/22/20	8	2710	1	81	1	28.6490	7.41958	0.5	2.08958	0.91809
34	34	09/17/19	01/05/19	4	841	1	85	1	20.1777	2.30253	0.5	2.08958	0.28491
35	35	03/21/19	08/16/19	6	148	1	84	1	23.6187	0.40520	0.5	2.08958	0.05014
36	36	02/23/19	12/31/20	12	2137	0	75	0	23.6752	5.85079	0.5	2.08958	0.72397
37	37	01/01/19	12/31/20	16	2190	0	61	0	23.4314	5.99589	0.5	2.08958	0.74193
38	38	01/18/19	12/31/20	5	2173	0	48	0	33.4511	5.94935	0.5	2.08958	0.73617

Obs	id	admitdate	foldate	los	lenfol	fstat	age	gender	bmi	time_yrs	_PROB_	xb	cr
39	39	01/19/19	04/25/19	8	461	1	83	1	19.5707	1.26215	0.5	2.08958	0.15618
40	40	03/18/19	12/31/20	10	2114	0	82	0	25.8275	5.78782	0.5	2.08958	0.71618
41	41	02/03/19	12/31/20	4	2157	0	62	0	30.8663	5.90554	0.5	2.08958	0.73075
42	42	05/17/19	12/31/20	5	2054	0	39	0	24.2108	5.62355	0.5	2.08958	0.69585
43	43	03/08/19	12/31/20	5	2124	0	45	0	31.6644	5.81520	0.5	2.08958	0.71957
44	44	02/23/19	12/31/20	4	2137	0	65	0	26.2209	5.85079	0.5	2.08958	0.72397
45	45	06/14/19	01/05/20	18	2031	1	76	1	32.4199	5.56057	0.5	2.08958	0.68806
46	46	07/07/19	12/31/20	9	2003	0	77	1	24.5635	5.48392	0.5	2.08958	0.67858
47	47	04/27/19	12/31/20	9	2074	0	68	0	21.3055	5.67830	0.5	2.08958	0.70263
48	48	05/15/19	02/13/19	7	274	1	73	0	26.4568	0.75017	0.5	2.08958	0.09283
49	49	07/26/19	12/31/20	4	1984	0	64	0	27.9798	5.43190	0.5	2.08958	0.67214
50	50	07/17/19	12/31/20	6	1993	0	80	0	36.0233	5.45654	0.5	2.08958	0.67519
51	51	09/09/19	12/31/20	7	1939	0	84	1	22.3142	5.30869	0.5	2.08958	0.65690
52	52	06/19/19	09/03/20	4	1172	1	43	1	25.3315	3.20876	0.5	2.08958	0.39705
53	53	08/20/19	11/17/19	3	89	1	87	1	18.7772	0.24367	0.5	2.08958	0.03015
54	54	08/28/19	01/03/19	7	128	1	70	1	18.6000	0.35044	0.5	2.08958	0.04336
55	55	09/09/19	12/31/20	17	1939	0	80	0	25.5020	5.30869	0.5	2.08958	0.65690
56	56	09/01/19	09/15/19	11	14	1	64	1	24.4126	0.03833	0.5	2.08958	0.00474
57	57	09/03/19	06/10/20	5	1011	1	59	1	29.8600	2.76797	0.5	2.08958	0.34251
58	58	09/24/19	10/30/20	6	1497	1	92	0	24.3664	4.09856	0.5	2.08958	0.50715
59	59	09/19/19	12/31/20	3	1929	0	51	0	34.7703	5.28131	0.5	2.08958	0.65351
60	60	04/17/19	12/31/20	1	2084	0	41	0	27.2623	5.70568	0.5	2.08958	0.70602
61	61	10/21/19	02/05/19	6	107	1	90	0	24.7842	0.29295	0.5	2.08958	0.03625
62	62	10/02/19	12/27/19	4	451	1	83	0	21.8099	1.23477	0.5	2.08958	0.15279
63	63	01/08/19	12/31/20	3	2183	0	61	0	27.3691	5.97673	0.5	2.08958	0.73956
64	64	11/11/19	12/31/20	7	1876	0	64	0	26.2209	5.13621	0.5	2.08958	0.63555
65	65	11/07/19	05/31/20	3	936	1	82	0	26.8868	2.56263	0.5	2.08958	0.31710
66	66	04/20/19	04/18/19	5	363	1	91	1	27.6184	0.99384	0.5	2.08958	0.12298
67	67	06/18/19	05/01/20	5	1048	1	48	0	31.5837	2.86927	0.5	2.08958	0.35504
68	68	10/29/19	12/31/20	12	1889	0	63	0	23.3327	5.17180	0.5	2.08958	0.63996
69	69	04/29/19	12/31/20	5	2072	0	81	0	28.3501	5.67283	0.5	2.08958	0.70195
70	70	11/08/19	12/31/20	7	1879	0	52	0	32.6362	5.14442	0.5	2.08958	0.63657
71	71	11/17/19	12/31/20	4	1870	0	65	0	31.9511	5.11978	0.5	2.08958	0.63352
72	72	11/28/19	12/31/20	5	1859	0	74	0	25.0178	5.08966	0.5	2.08958	0.62979
73	73	05/19/19	12/31/20	5	2052	0	62	0	30.2283	5.61807	0.5	2.08958	0.69518
74	74	12/11/19	12/31/20	4	1846	0	60	1	29.2881	5.05407	0.5	2.08958	0.62539
75	75	05/10/19	12/31/20	7	2061	0	71	0	32.3241	5.64271	0.5	2.08958	0.69823
76	76	10/06/19	12/31/20	3	1912	0	73	0	31.4745	5.23477	0.5	2.08958	0.64775

Obs	id	admitdate	foldate	los	lenfol	fstat	age	gender	bmi	time_yrs	_PROB_	xb	cr
77	77	12/21/19	12/31/20	5	1836	0	43	0	28.5919	5.02669	0.5	2.08958	0.62200
78	78	11/22/19	03/16/19	7	114	1	80	0	33.3607	0.31211	0.5	2.08958	0.03862
79	79	10/31/19	02/04/20	7	1557	1	72	0	21.8099	4.26283	0.5	2.08958	0.52748
80	80	06/28/19	12/27/20	5	1278	1	57	0	23.5709	3.49897	0.5	2.08958	0.43296
81	81	12/21/19	12/31/20	3	1836	0	80	1	28.3501	5.02669	0.5	2.08958	0.62200
82	82	10/02/19	12/31/20	6	1916	0	76	0	28.0356	5.24572	0.5	2.08958	0.64910
83	83	09/14/19	12/31/20	3	1934	0	53	0	24.2108	5.29500	0.5	2.08958	0.65520
84	84	09/25/19	12/31/20	10	1923	0	44	0	32.6039	5.26489	0.5	2.08958	0.65147
85	85	12/02/19	01/15/19	3	44	1	71	0	23.0563	0.12047	0.5	2.08958	0.01491
86	86	09/26/19	12/31/20	6	1922	0	64	0	31.7502	5.26215	0.5	2.08958	0.65114
87	87	10/24/19	07/25/19	5	274	1	86	0	21.1096	0.75017	0.5	2.08958	0.09283
88	88	11/27/19	12/31/20	7	1860	0	72	1	25.2327	5.09240	0.5	2.08958	0.63013
89	89	04/12/19	03/23/20	4	1806	1	73	1	22.8670	4.94456	0.5	2.08958	0.61184
90	90	02/15/19	12/31/20	6	2145	0	85	1	26.0550	5.87269	0.5	2.08958	0.72668
91	91	10/22/19	04/22/19	5	182	1	60	0	23.1802	0.49829	0.5	2.08958	0.06166
92	92	06/27/19	12/31/20	4	2013	0	63	0	35.4895	5.51129	0.5	2.08958	0.68196
93	93	01/17/19	12/31/20	5	2174	0	80	1	20.5981	5.95209	0.5	2.08958	0.73651
94	94	12/12/19	05/24/20	4	1624	1	74	0	30.1321	4.44627	0.5	2.08958	0.55018
95	95	11/04/19	05/10/19	10	187	1	79	1	16.7862	0.51198	0.5	2.08958	0.06335
96	96	11/04/19	12/31/20	4	1883	0	48	1	32.1171	5.15537	0.5	2.08958	0.63792
97	97	12/24/19	04/19/20	3	1577	1	32	1	39.9384	4.31759	0.5	2.08958	0.53426
98	98	11/26/19	01/27/19	8	62	1	86	1	14.9188	0.16975	0.5	2.08958	0.02100
99	99	08/10/19	12/31/20	16	1969	0	56	0	29.0530	5.39083	0.5	2.08958	0.66706
100	100	03/26/19	02/13/20	7	1054	1	74	0	32.8909	2.88569	0.5	2.08958	0.35707

The LIFEREG Procedure

Model Information	
Data Set	SURVIVAL.WHAS100
Dependent Variable	Log(time_yrs)
Censoring Variable	fstat
Censoring Value(s)	0
Number of Observations	100
Noncensored Values	51
Right Censored Values	49
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Exponential
Log Likelihood	-133.2078402

Number of Observations Read	100
Number of Observations Used	100

Fit Statistics	
-2 Log Likelihood	266.416
AIC (smaller is better)	276.416
AICC (smaller is better)	277.054
BIC (smaller is better)	289.442

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	286.883
Exponential AIC (smaller is better)	296.883
Exponential AICC (smaller is better)	297.521
Exponential BIC (smaller is better)	309.908

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
gender	1	4.7210	0.0298
age	1	11.4787	0.0007
bmi	1	6.1972	0.0128
gender*age	1	4.2446	0.0394

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	3.3891	1.6200	0.2139	6.5642	4.38	0.0364
gender	1	-3.9324	1.8098	-7.4795	-0.3852	4.72	0.0298
age	1	-0.0532	0.0157	-0.0840	-0.0224	11.48	0.0007
bmi	1	0.0935	0.0376	0.0199	0.1671	6.20	0.0128
gender*age	1	0.0498	0.0241	0.0024	0.0971	4.24	0.0394
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.7690	0.0961

