Table 1.4
Kaplan-Meier Survival Estimates For Death Over Time

Stratum 1: trta = A

AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
		Product-Limit Estimates			
0.0000	1.0000	0	0	0	41
34.0000 *				0	40
67.0000	0.9750	0.0250	0.0247	1	39
87.0000 *				1	38
123.0000	0.9493	0.0507	0.0349	2	37
145.0000 *				2	36
232.0000 *				2	35
234.0000	0.9222	0.0778	0.0432	3	34
256.0000 *				3	33
265.0000 *				3	32
288.0000	0.8934	0.1066	0.0505	4	31
289.0000 *				4	30
321.0000 *				4	29
323.0000				5	28
323.0000	0.8318	0.1682	0.0631	6	27
329.0000 *				6	26
342.0000 *				6	25
436.0000 *				6	24
453.0000 *				6	23
453.0000 *				6	22
543.0000	0.7940	0.2060	0.0707	7	21
568.0000 *				7	20
589.0000	0.7543	0.2457	0.0775	8	19
635.0000 *				8	18
653.0000	0.7124	0.2876	0.0837	9	17
866.0000 *				9	16
873.0000 *				9	15
873.0000 *				9	14
874.0000	0.6615	0.3385	0.0919	10	13
874.0000 *				10	12
874.0000 *				10	11
874.0000 *				10	10
874.0000 *				10	9
920.0000	0.5880	0.4120	0.1071	11	8
981.0000	0.5145	0.4855	0.1163	12	7
3223.000 *				12	6
3224.000				13	5

Note: The marked survival times are censored observations.

Product-Limit Estimates

AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
3224.000				14	4
3224.000				15	3
3224.000				16	2
3224.000	0.0857	0.9143	0.0806	17	1
7436.000 *	0.0857	0.9143		17	0
Note: The marked survival times are censored observations.					

Summary Statistics for Time Variable aval

Quartile Estimates

Percent	Point Estimate	Transform	95% Confidence Interval [Lower	Upper)
75	3224.000	LOGLOG	3224.000	
50	3224.000	LOGLOG	874.0000	3224.000
25	653.0000	LOGLOG	288.0000	981.0000

Mean

Mean	Standard Error	Bias Note
1953.571	300.0523	restricted to L where L = max_event_time < max_censored_time

NOTE: The mean and standard error are underestimated because the final observation was censored, and so the estimation was restricted to the largest uncensored observation.

Stratum 2: trta = B

Summary Statistics for Time Variable aval

Product-Limit Estimates

AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.0000	1.0000	0	0	0	49
9.0000 *				0	48
9.0000 *				0	47
32.0000 *				0	46
123.0000 *				0	45
154.0000 *				0	44
192.0000	0.9773	0.0227	0.0225	1	43
231.0000 *				1	42
321.0000 *				1	41
321.0000 *				1	40
321.0000 *				1	39
321.0000 *				1	38
321.0000 *				1	37
321.0000 *				1	36
324.0000				2	35
324.0000				3	34
Note: The marked survival times are censored observations.					

Product-Limit Estimates

AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
324.0000	0.8958	0.1042	0.0495	4	33
334.0000	0.8687	0.1313	0.0549	5	32
338.0000	0.8415	0.1585	0.0596	6	31
430.0000	0.8144	0.1856	0.0635	7	30
435.0000 *				7	29
465.0000 *				7	28
536.0000 *				7	27
579.0000 *				7	26
589.0000	0.7831	0.2169	0.0684	8	25
643.0000 *				8	24
732.0000 *				8	23
833.0000 *				8	22
865.0000	0.7475	0.2525	0.0739	9	21
900.0000	0.7119	0.2881	0.0785	10	20
902.0000 *				10	19
980.0000	0.6744	0.3256	0.0829	11	18
982.0000				12	17
982.0000				13	16
982.0000				14	15
982.0000				15	14
982.0000	0.4871	0.5129	0.0930	16	13
982.0000 *				16	12
2323.000				17	11
2323.000				18	10
2323.000				19	9
2323.000	0.3247	0.6753	0.0908	20	8
2323.000 *				20	7
3233.000	0.2783	0.7217	0.0889	21	6
3345.000	0.2319	0.7681	0.0853	22	5
4545.000	0.1856	0.8144	0.0799	23	4
7621.000 *				23	3
7621.000 *				23	2
7621.000 *				23	1
7621.000 *	0.1856	0.8144		23	0

Note: The marked survival times are censored observations.

Quartile Estimates

	Point	95% Confidence Interval		
Percent	Estimate	Transform	[Lower	Upper)
75	3345.000	LOGLOG	2323.000	
50	982.0000	LOGLOG	980.0000	3233.000
25	865.0000	LOGLOG	324.0000	982.0000

Mean

Mean	Standard Error	Bias Note
2099.100	305.7538	restricted to L where L = max_event_time < max_censored_time

NOTE: The mean and standard error are underestimated because the final observation was censored, and so the estimation was restricted to the largest uncensored observation.

Stratum 3: trta = C

Summary Statistics for Time Variable aval

AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
0.0000	1.0000	0	0	0	41
3.0000 *				0	40
32.0000	0.9750	0.0250	0.0247	1	39
43.0000	0.9500	0.0500	0.0345	2	38
76.0000 *				2	37
132.0000	0.9243	0.0757	0.0420	3	36
144.0000 *				3	35
196.0000 *				3	34
231.0000 *				3	33
298.0000 *				3	32
298.0000 *				3	31
298.0000 *				3	30
323.0000 *				3	29
334.0000				4	28
334.0000	0.8606	0.1394	0.0585	5	27
342.0000 *				5	26
383.0000 *				5	25
435.0000	0.8262	0.1738	0.0655	6	24
524.0000	0.7917	0.2083	0.0713	7	23
542.0000	0.7573	0.2427	0.0760	8	22
565.0000 *				8	21
732.0000 *				8	20
768.0000	0.7194	0.2806	0.0811	9	19
782.0000 *				9	18
789.0000 *				9	17
837.0000 *				9	16
870.0000 *				9	15
870.0000 *				9	14
870.0000 *				9	13
873.0000 *				9	12
873.0000 *				9	11
876.0000	0.6540	0.3460	0.0966	10	10
1672.000	0.5886	0.4114	0.1068	11	9
2382.000	0.5232	0.4768	0.1132	12	8
3223.000	0.4578	0.5422	0.1164	13	7
3232.000 *				13	6
4532.000 *				13	5
8754.000 *				13	4
8754.000 *				13	3
8754.000 *				13	2
8754.000 *				13	1

Note: The marked survival times are censored observations.

Product-Limit Estimates					
AVAL	Survival	Failure	Survival Standard Error	Number Failed	Number Left
8790.000	0	1.0000	0	14	0
Note: The marked survival times are censored observations.					

Quartile Estimates				
	Point	95% Confidence Interval		
Percent	Estimate	Transform	[Lower	Upper)
75	8790.000	LOGLOG	3223.000	8790.000
50	3223.000	LOGLOG	876.0000	8790.000
25	768.0000	LOGLOG	334.0000	2382.000

Mean		
Mean	Standard Error	Bias Note
4664.846	892.7095	none

Summary of the Number of Censored and Uncensored Values					
Stratum	TRTA	Total	Failed	Censored	Percent Censored
1	A	41	17	24	58.54
2	B	49	23	26	53.06
3	C	41	14	27	65.85
Total		131	54	77	58.78

NOTE: There were 65 observations with missing values, negative time values, or frequency values less than 1.

Testing Homogeneity of Survival Curves for aval over Strata

Rank Statistics		
TRTA	Log-Rank	Wilcoxon
A	2.7623	149.0000
B	1.2182	-100.000
C	-3.9805	-49.0000

Covariance Matrix for the Log-Rank Statistics			
TRTA	A	B	C
A	9.7856	-5.4714	-4.3142
B	-5.4714	12.1075	-6.6361
C	-4.3142	-6.6361	10.9503

Covariance Matrix for the Wilcoxon Statistics			
TRTA	A	B	C
A	53571.86	-29592.1	-23979.7
B	-29592.1	60311.29	-30719.2
C	-23979.7	-30719.2	54698.93

Test of Equality over Strata			
Test	**Chi-Square**	**DF**	**Pr > Chi-Square**
Log-Rank	1.6233	2	0.4441
Wilcoxon	0.4215	2	0.8100
-2Log(LR)	4.3803	2	0.1119

Created by Usman Khan on 28-12-2022

Table 1.4
Kaplan-Meier Survival Estimates For Death Over Time

Visit	Placebo					Old Drug					New Drug				
	Cum. Deaths	Remain at risk	Surv-ival Prob.	95% CLs		Cum. Deaths	Remain at risk	Surv-ival Prob.	95% CLs		Cum. Deaths	Remain at risk	Surv-ival Prob.	95% CLs	
				lower	Upper				lower	Upper				lower	Upper
Baseline	0	41	1.000	-.072	0.244	0	49	1.000	0.029	0.342	0	41	1.000	0.000	0.000
3 Months	1	38	0.975	0.927	1.023	0	46	1.000	0.029	0.342	2	37	0.950	0.882	1.018
6 Months	2	36	0.949	0.881	1.018	0	44	1.000	0.029	0.342	3	35	0.924	0.842	1.007
1 Year	6	25	0.832	0.708	0.955	6	31	0.842	0.725	0.958	5	26	0.861	0.746	0.975
2 Years	9	17	0.712	0.548	0.877	8	24	0.783	0.649	0.917	8	21	0.757	0.608	0.906
3 Years	12	7	0.514	0.287	0.742	16	12	0.487	0.305	0.669	10	10	0.654	0.465	0.843

Created by Usman Khan on 28-12-2022