

Implementation in Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	alpha	1.204	B(alpha, beta)		1.146	=EXP(GAMMALN(B1)+GAMMALN(B2)-GAMMALN(B1+B2))								
2	beta	0.750												
3	gamma	0.657	B(gamma, delta)		0.729									
4	delta	2.783				=EXP(GAMMALN(\$B\$1+A9)+GAMMALN(\$B\$2+C9-A9)-GAMMALN(\$B\$1+\$B\$2+C9))/E\$1*EXP(GAMMALN(\$B\$3)+GAMMALN(\$B\$4+C9)-GAMMALN(\$B\$3+\$B\$4+C9))/E\$3								
5														
6	LL	-33,225.6	=SUM(E9: E30)											
7														
8	x	t_x	n	# donors	L(. x = x, t_x, n)	n - t_x - 1			0	1	2	3	4	5
9	6	6	6	1,203	-2,624.6	0.1129	-1	0.1129	0	0	0	0	0	0
10	5	6	6	728	-1,426.7	0.0426	-1	0.0426	0	0	0	0	0	0
11	4	6	6	512	-1,024.0	0.0129	-1	0.0129	0	0	0	0	0	0
12	3	6	6	357	-672.0	0.0035	-1	0.0035	0	0	0	0	0	0
13	2	6	6	234	-1,322.5	0.0035	-1	0.0035	0	0	0	0	0	0
14	1	6	6	129	-630.0	0.0076	-1	0.0076	0	0	0	0	0	0
15	5	5	6	335	-1,241.1	0.0036	0	0.0036	0.0107	0	0	0	0	0
16	4	5	6	284	-1,447.1	0.0061	0	0.0046	0.0015	0	0	0	0	0
17	3	5	6	173	-952.6	0.0036	0	0.0030	0.0006	0	0	0	0	0
18	2	5	6	119	-567.3	0.0041	0	0.0035	0.0005	0	0	0	0	0
19	1	5	6	240	-923.6	0.0213	1	0.0046	0.0152	0.0015	0	0	0	0
20	4	4	6	181	-915.7	0.0063	1	0.0030	0.0027	0.0006	0	0	0	0
21	3	4	6	155	-805.3	0.0055	1	0.0035	0.0015	0.0005	0	0	0	0
22	2	4	6	78	-356.5	0.0104	1	0.0076	0.0018	0.0009	0	0	0	0
23	3	3	6	322	-1,135.8	0.0294	2	0.0030	0.0230	0.0027	0.0006	0	0	0
24	2	3	6	255	-1,151.6	0.0109	2	0.0035	0.0054	0.0015	0.0005	0	0	0
25	1	3	6	129	-545.0	0.0146	2	0.0076	0.0043	0.0018	0.0009	0	0	0
26	2	2	6	613	-1,846.4	0.0492	3	0.0035	0.0383	0.0054	0.0015	0.0005	0	0
27	1	2	6	277	-993.9	0.0276	3	0.0076	0.0130	0.0043	0.0018	0.0009	0	0
28	1	1	6	1,091	-2,497.1	0.1014	4	0.0076	0.0737	0.0130	0.0043	0.0018	0.0009	0
29	0	0	6	3,464	-4,044.3	0.3111	5	0.0362	0.1909	0.0459	0.0189	0.0098	0.0058	0.0037

More details available here: <http://brucehardie.com/notes/010/>. And for R users: <http://cran.r-project.org/web/packages/BTYD/>