

On-line Table: Number of metastases, most representative distributions, R^2 values, likelihood ratios, and α values for 68 patients

Patient No.	No. Metastases	Shapiro-Wilk P Value (Normal Distribution Test)	Distribution	R^2 (P Value)	R (P Value)	α Value
1	8	.022	Power	0.914 (<.001)	0.057 (.954)	0.601
2	16	<.001	Power	0.974 (<.001)	1.949 (.051)	0.680
3	6	<.001	Power	0.960 (<.001)	2.638 (.008)	1.330
4	6	<.001	Power	0.869 (<.001)	2.076 (.038)	1.419
5	12	<.001	Power	0.960 (<.001)	4.005 (<.001)	1.166
6	17	<.001	Power	0.952 (<.001)	2.345 (.019)	0.587
7	6	<.001	Power	0.810 (.015)	2.750 (.005)	1.164
8	5	.236	Power	0.940 (.157)	0.317 (.751)	1.372
9	9	.002	Power	0.936 (<.001)	0.637 (.524)	0.7505
10	5	<.001	Power	0.958 (.004)	2.836 (.005)	1.833
11	6	.047	Power	0.869 (.007)	0.342 (.733)	0.872
12	7	<.001	Power	0.854 (.003)	1.633 (.102)	0.977
13	4	.009	Power	0.992 (.004)	1.017 (.309)	0.970
14	4	.005	Power	0.922 (.040)	0.713 (.476)	1.869
15	12	<.001	Power	0.962 (<.001)	3.997 (<.001)	0.673
16	53	<.001	Power	0.911 (<.001)	3.233 (.001)	1.191
17	3	.051	Power	0.966 (.017)	0.775 (.438)	0.673
18	16	<.001	Power	0.894 (<.001)	2.149 (.032)	2.184
19	6	<.001	Power	0.973 (<.001)	1.576 (.115)	0.629
20	6	.073	Power	0.812 (.014)	−0.272 (.786)	1.711
21	4	.076	Power	0.851 (.077)	1.032 (.302)	0.692
22	13	.039	Cubic	0.983 (.001)	0.329 (.742)	2.212
23	3	.045	Exponential	0.998 (.028)	0.799 (.424)	0.740
24	5	<.001	Power	0.954 (.004)	2.497 (.013)	2.297
25	5	.014	Exponential	0.980 (.001)	0.502 (.615)	1.249
26	15	<.001	Exponential	0.963 (<.001)	0.763 (.446)	1.171
27	4	.386	Exponential	0.950 (.025)	0.059 (.952)	0.672
28	18	<.001	Power	0.938 (<.001)	3.511 (<.001)	0.853
29	14	<.001	Exponential	0.973 (<.001)	1.484 (.138)	0.494
30	10	<.001	Power	0.976 (<.001)	2.478 (.013)	1.019
31	3	.109	Exponential	0.969 (.112)	0.585 (.559)	1.168
32	32	<.001	Power	0.968 (<.001)	2.145 (.031)	2.295
33	6	.013	Exponential	0.966 (.001)	1.066 (.286)	0.605
34	6	.058	Exponential	0.980 (.001)	0.118 (.906)	1.284
35	12	<.001	Power	0.923 (<.001)	2.251 (.024)	0.714
36	3	.004	Power	0.999 (.023)	1.278 (.201)	1.131
37	10	<.001	Power	0.974 (<.001)	1.104 (.270)	2.718
38	22	<.001	Exponential	0.978 (<.001)	0.479 (.632)	1.046
39	12	<.001	Power	0.968 (<.001)	2.517 (.012)	0.708
40	4	.105	Power	0.958 (.021)	0.306 (.759)	1.119
41	11	<.001	Power	0.927 (<.001)	4.713 (<.001)	0.996
42	47	<.001	Exponential	0.971 (<.001)	1.875 (.061)	0.838
43	3	.041	Exponential	0.989 (.016)	0.383 (.701)	0.533
						2.099

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On-line Table: Continued

Patient No.	No. Metastases	Shapiro-Wilk P Value (Normal Distribution Test)	Distribution	R ² (P Value)	R (P Value)	α Value
44	6	.152	Cubic	0.982 (.027)	−0.244 (.807)	0.687
45	3	.091	Exponential	0.999 (.017)	0.632 (.528)	1.786
46	5	.006	Cubic	0.996 (.053)	0.999 (.318)	1.188
47	3	.204	Power	0.993 (.054)	0.436 (.663)	0.656
48	3	.089	Inverse	0.962 (.125)	0.323 (.747)	2.719
49	3	.019	Power	0.999 (.021)	1.037 (.300)	2.217
50	12	<.001	Exponential	0.938 (<.001)	1.190 (.234)	0.814
51	7	.587	Log	0.972 (0.001)	0.280 (.779)	2.604
52	11	<.001	Cubic	0.984 (<.001)	2.830 (.005)	3.872
53	15	<.001	Exponential	0.938 (<.001)	1.841 (.065)	2.722
54	9	<.001	Power	0.978 (<.001)	3.648 (<.001)	3.720
55	8	<.001	Exponential	0.938 (<.001)	1.473 (.141)	3.195
56	5	<.001	Cubic	0.982 (.169)	2.000 (.046)	3.850
57	3	<.001	S	0.972 (.108)	1.573 (.116)	9.290
58	45	<.001	Power	0.976 (<.001)	4.400 (<.001)	2.523
59	14	<.001	Power	.958 (<.001)	1.907 (.057)	1.878
60	11	<.001	Exponential	0.962 (<.001)	1.367 (.172)	3.850
61	4	.651	Exponential	0.762 (.127)	0.020 (.984)	1.842
62	84	<.001	Power	0.938 (<.001)	3.83 (<.001)	2.369
63	3	.416	Exponential	0.949 (.145)	0.168 (.866)	4.189
64	4	.128	Exponential	0.970 (.015)	0.540 (.589)	5.256
65	15	<.001	Exponential	0.965 (<.001)	1.906 (.057)	3.26
66	3	.071	S	0.998 (.026)	0.824 (.410)	2.961
67	8	<.001	Power	0.988 (<.001)	2.363 (.018)	3.587
68	11	<.001	Power	0.875 (<.001)	6.049 (<.001)	3.21