

APPENDIKS 1. Distribusi ketahanan Gamma data tidak tersensor

Appendix

Table 1 Shape parameter estimates of the gamma distribution for uncensored samples. The estimate $\hat{\gamma}$ is given for values of $(1-R)^{-1}$ where R is the ratio of the geometric to the arithmetic sample mean.

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$(1-R)^{-1}$	$\hat{\gamma}$	$(1-R)^{-1}$	$\hat{\gamma}$	$(1-R)^{-1}$	$\hat{\gamma}$
1-000	0-00000	1-11	0-29854	2-4	1-06335
1-001	0-11539	1-12	0-30749	2-5	1-11596
1-002	0-12663	1-13	0-31616	2-6	1-16833
1-003	0-13434	1-14	0-32461	2-7	1-22050
1-004	0-14043	1-15	0-33285	2-8	1-27248
1-005	0-14556	1-16	0-34090	2-9	1-32430
1-006	0-15005	1-18	0-35654	3-0	1-37599
1-007	0-15408	1-20	0-37165	3-2	1-47890
1-008	0-15775	1-22	0-38631	3-4	1-58158
1-009	0-16115	1-24	0-40060	3-6	1-68385
1-010	0-16432	1-26	0-41457	3-8	1-78585
1-012	0-17011	1-28	0-42825	4-0	1-88763
1-014	0-17535	1-30	0-44179	4-2	1-98921
1-016	0-18017	1-32	0-45492	4-4	2-09063
1-018	0-18464	1-34	0-46795	4-6	2-19191
1-020	0-18884	1-36	0-48081	4-8	2-29308
1-022	0-19282	1-38	0-49351	5-0	2-39414
1-024	0-19659	1-40	0-50608	5-5	2-64643
1-026	0-20020	1-45	0-53694	6-0	2-89830
1-028	0-20366	1-50	0-56715	6-5	3-14954
1-030	0-20700	1-55	0-59682	7-0	3-40115
1-035	0-21486	1-60	0-62604	8-0	3-90325
1-040	0-22217	1-65	0-65488	9-0	4-40482
1-045	0-22904	1-70	0-68340	10-0	4-90608
1-050	0-23554	1-75	0-71163	12-0	5-90790
1-055	0-24175	1-80	0-73961	14-0	6-90914
1-060	0-24771	1-85	0-76737	16-0	7-91005
1-065	0-25345	1-90	0-79494	18-0	8-91073
1-070	0-25899	1-95	0-82233	20-0	9-91125
1-075	0-26437	2-00	0-84957	30-0	14-91301
1-080	0-26959	2-10	0-90364	40-0	19-91401
1-090	0-27966	2-20	0-95724	50-0	24-91457
1-100	0-28923	2-30	1-01046		

Table 4 Percentage points for testing the equality of the Weibull shape parameters.

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Table with 12 columns (M, N, 0.60, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 0.99) and 120 rows of percentage points.

Table 5 Percentage points for testing the equality of the Weibull scale parameters

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Table with 12 columns (M, N, 0.60, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 0.99) and 120 rows of percentage points.

TABEL III Persentase Titik Distribusi χ^2

ν \ α	0,995	0,990	0,975	0,950	0,900	0,500	0,100	0,050	0,025	0,010	0,005
1	0,00+	0,00+	0,00+	0,00+	0,02	0,45	2,71	3,84	5,02	6,63	7,88
2	0,01	0,02	0,05	0,10	0,21	1,39	4,61	5,99	7,38	9,21	10,60
3	0,07	0,11	0,22	0,35	0,58	2,37	6,25	7,81	9,35	11,34	12,84
4	0,21	0,30	0,48	0,71	1,06	3,36	7,78	9,49	11,14	13,28	14,86
5	0,41	0,55	0,83	1,15	1,61	4,35	9,24	11,07	12,83	15,09	16,75
6	0,68	0,87	1,24	1,64	2,20	5,35	10,65	12,59	14,45	16,81	18,55
7	0,99	1,24	1,69	2,17	2,83	6,35	12,02	14,07	16,01	18,48	20,28
8	1,34	1,65	2,18	2,73	3,49	7,34	13,36	15,51	17,53	20,09	21,96
9	1,73	2,09	2,70	3,33	4,17	8,34	14,68	16,92	19,02	21,67	23,59
10	2,16	2,56	3,25	3,94	4,87	9,34	15,99	18,31	20,48	23,21	25,19
11	2,60	3,05	3,82	4,57	5,58	10,34	17,28	19,68	21,91	24,72	26,76
12	3,07	3,57	4,40	5,23	6,30	11,34	18,55	21,03	23,34	26,22	28,30
13	3,57	4,11	5,01	5,89	7,04	12,34	19,81	22,36	24,74	27,69	29,82
14	4,07	4,66	5,63	6,57	7,79	13,34	21,06	23,68	26,12	29,14	31,32
15	4,60	5,23	6,27	7,26	8,55	14,34	22,31	25,00	27,49	30,58	32,80
16	5,14	5,81	6,91	7,96	9,31	15,34	23,54	26,30	28,85	32,00	34,27
17	5,70	6,41	7,56	8,67	10,09	16,34	24,77	27,59	30,19	33,41	35,72
18	6,26	7,01	8,23	9,39	10,87	17,34	25,99	28,87	31,53	34,81	37,16
19	6,84	7,63	8,91	10,12	11,65	18,34	27,20	30,14	32,85	36,19	38,58
20	7,43	8,26	9,59	10,85	12,44	19,34	28,41	31,41	34,17	37,57	40,00
21	8,03	8,90	10,28	11,59	13,24	20,34	29,62	32,67	35,48	38,93	41,40
22	8,64	9,54	10,98	12,34	14,04	21,34	30,81	33,92	36,78	40,29	42,80
23	9,26	10,20	11,69	13,09	14,85	22,34	32,01	35,17	38,08	41,64	44,18
24	9,89	10,86	12,40	13,85	15,66	23,34	33,20	36,42	39,36	42,98	45,56
25	10,52	11,52	13,12	14,61	16,47	24,34	34,28	37,65	40,65	44,31	46,93
26	11,16	12,20	13,84	15,38	17,29	25,34	35,56	38,89	41,92	45,64	48,29
27	11,81	12,88	14,57	16,15	18,11	26,34	36,74	40,11	43,19	46,96	49,65
28	12,46	13,57	15,31	16,93	18,94	27,34	37,92	41,34	44,46	48,28	50,99
29	13,12	14,26	16,05	17,71	19,77	28,34	39,09	42,56	45,72	49,59	52,34
30	13,79	14,95	16,79	18,49	20,60	29,34	40,26	43,77	46,98	50,89	53,67
40	20,71	22,16	24,43	26,51	29,05	39,34	51,81	55,76	59,34	63,69	66,77
50	27,99	29,71	32,36	34,76	37,69	49,33	63,17	67,50	71,42	76,15	79,49
60	35,53	37,48	40,48	43,19	46,46	59,33	74,40	79,08	83,30	88,38	91,95
70	43,28	45,44	48,76	51,74	55,33	69,33	85,53	90,53	95,02	100,42	104,22
80	51,17	53,54	57,15	60,39	64,28	79,33	96,58	101,88	106,63	112,33	116,32
90	59,20	61,75	65,65	69,13	73,29	89,33	107,57	113,14	118,14	124,12	128,30
100	67,33	70,06	74,22	77,93	82,36	99,33	118,50	124,34	129,56	135,81	140,17

* ν = derajat kebebasan.