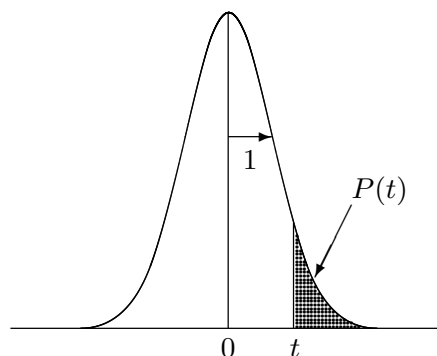


付録：上側確率表



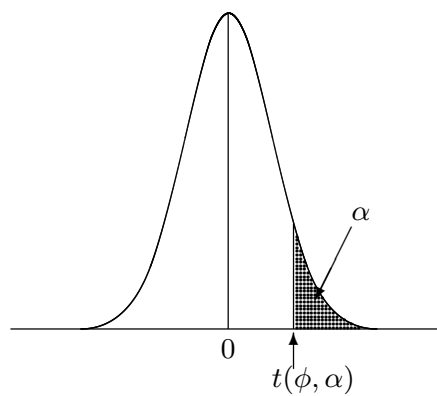
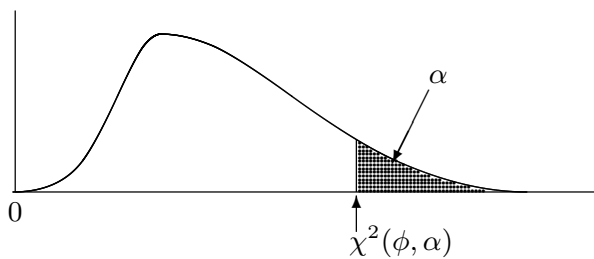
付表 1 標準正規分布表

t	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641
0.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
0.7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148
0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681
1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.0465	.0455
1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375	.0367
1.8	.0359	.0351	.0344	.0336	.0329	.0322	.0314	.0307	.0301	.0294
1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
2.2	.0139	.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113	.0110
2.3	.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087	.0084
2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
2.9	.0019	.0018	.0018	.0017	.0016	.0016	.0015	.0015	.0014	.0014
3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010
3.1	.0010	.0009	.0009	.0009	.0008	.0008	.0008	.0008	.0007	.0007
3.2	.0007	.0007	.0006	.0006	.0006	.0006	.0006	.0005	.0005	.0005
3.3	.0005	.0005	.0005	.0004	.0004	.0004	.0004	.0004	.0004	.0003

例 1. $t = 1.00$ のとき、上側確率は $P(1.00) = 0.1587$ である。

例 2. $t = 1.96$ のとき、上側確率は $P(1.96) = 0.0250$ で、上側 2.5% 点は $u(0.025) = 1.960$ である。

例 3. $t = 1.645$ のとき、上側確率は $P(1.645) = 0.0500$ で、上側 5% 点は $u(0.05) = 1.645$ である。



付表2 χ^2 分布表

$\phi \setminus \alpha$	0.975	0.95	0.05	0.025
1	0.001	0.004	3.84	5.02
2	0.051	0.103	5.99	7.38
3	0.216	0.352	7.81	9.35
4	0.484	0.711	9.49	11.14
5	0.831	1.145	11.07	12.83
6	1.237	1.635	12.59	14.45
7	1.690	2.17	14.07	16.01
8	2.18	2.73	15.51	17.53
9	2.70	3.33	16.92	19.02
10	3.25	3.94	18.31	20.5
11	3.82	4.57	19.68	21.9
12	4.40	5.23	21.0	23.3
13	5.01	5.89	22.4	24.7
14	5.63	6.57	23.7	26.1
15	6.26	7.26	25.0	27.5
16	6.91	7.96	26.3	28.8
17	7.56	8.67	27.6	30.2
18	8.23	9.39	28.9	31.5
19	8.91	10.12	30.1	32.9
20	9.59	10.85	31.4	34.2
21	10.28	11.59	32.7	35.5
22	10.98	12.34	33.9	36.8
23	11.69	13.09	35.2	38.1
24	12.40	13.85	36.4	39.4
25	13.12	14.61	37.7	40.6
26	13.84	15.38	38.9	41.9
27	14.57	16.15	40.1	43.2
28	15.31	16.93	41.3	44.5
29	16.05	17.71	42.6	45.7
30	16.79	18.49	43.8	47.0
40	24.4	26.5	55.8	59.3
60	40.5	43.2	79.1	83.3
120	91.6	95.7	146.6	152.2
240	199.0	205.1	277.1	284.8

付表3 t 分布表

$\phi \setminus \alpha$	0.05	0.025
1	6.314	12.71
2	2.920	4.303
3	2.353	3.182
4	2.132	2.776
5	2.015	2.571
6	1.943	2.447
7	1.895	2.365
8	1.860	2.306
9	1.833	2.262
10	1.812	2.228
11	1.796	2.201
12	1.782	2.179
13	1.771	2.160
14	1.761	2.145
15	1.753	2.131
16	1.746	2.120
17	1.740	2.110
18	1.734	2.101
19	1.729	2.093
20	1.725	2.086
21	1.721	2.080
22	1.717	2.074
23	1.714	2.069
24	1.711	2.064
25	1.708	2.060
26	1.706	2.056
27	1.703	2.052
28	1.701	2.048
29	1.699	2.045
30	1.697	2.042
40	1.684	2.021
60	1.671	2.000
120	1.658	1.980
240	1.651	1.970
∞	1.645	1.960

例1. $\phi = 7$ のとき、 $\chi^2(7, 0.05) = 14.07$

例2. $\phi = 7$ のとき、 $\chi^2(7, 0.95) = 2.17$

例1. $\phi = 5$ のとき、 $t(5, 0.05) = 2.015$

例2. $\phi = 5$ のとき、 $t(5, 0.025) = 2.571$