

ภาคผนวก ค.

ตารางแจกแจง  $t$  ( $t$  - Distribution)

ตารางที่ ค.1 ตารางแจกแจง  $t$  [37]

| df | 0.1    | 0.05   | 0.025   | 0.02    | 0.015   | 0.01    | 0.005   | 0.0025   | 0.0005   | One-tail |
|----|--------|--------|---------|---------|---------|---------|---------|----------|----------|----------|
|    | 0.2    | 0.1    | 0.05    | 0.04    | 0.03    | 0.02    | 0.01    | 0.005    | 0.001    | Two-tail |
| 1  | 3.0777 | 6.3137 | 12.7062 | 15.8945 | 21.2051 | 31.8210 | 63.6559 | 127.3211 | 636.5776 |          |
| 2  | 1.8856 | 2.9200 | 4.3027  | 4.8487  | 5.6428  | 6.9645  | 9.9250  | 14.0892  | 31.5998  |          |
| 3  | 1.6377 | 2.3534 | 3.1824  | 3.4819  | 3.8961  | 4.5407  | 5.8408  | 7.4532   | 12.9244  |          |
| 4  | 1.5332 | 2.1318 | 2.7765  | 2.9985  | 3.2976  | 3.7469  | 4.6041  | 5.5975   | 8.6101   |          |
| 5  | 1.4759 | 2.0150 | 2.5706  | 2.7565  | 3.0029  | 3.3649  | 4.0321  | 4.7733   | 6.8685   |          |
| 6  | 1.4398 | 1.9432 | 2.4469  | 2.6122  | 2.8289  | 3.1427  | 3.7074  | 4.3168   | 5.9587   |          |
| 7  | 1.4149 | 1.8946 | 2.3646  | 2.5168  | 2.7146  | 2.9979  | 3.4995  | 4.0294   | 5.4081   |          |
| 8  | 1.3968 | 1.8595 | 2.3060  | 2.4490  | 2.6338  | 2.8965  | 3.3554  | 3.8325   | 5.0414   |          |
| 9  | 1.3830 | 1.8331 | 2.2622  | 2.3984  | 2.5738  | 2.8214  | 3.2498  | 3.6896   | 4.7809   |          |
| 10 | 1.3722 | 1.8125 | 2.2281  | 2.3593  | 2.5275  | 2.7638  | 3.1693  | 3.5814   | 4.5868   |          |
| 11 | 1.3634 | 1.7959 | 2.2010  | 2.3281  | 2.4907  | 2.7181  | 3.1058  | 3.4966   | 4.4369   |          |
| 12 | 1.3562 | 1.7823 | 2.1788  | 2.3027  | 2.4607  | 2.6810  | 3.0545  | 3.4284   | 4.3178   |          |
| 13 | 1.3502 | 1.7709 | 2.1604  | 2.2816  | 2.4358  | 2.6503  | 3.0123  | 3.3725   | 4.2209   |          |
| 14 | 1.3450 | 1.7613 | 2.1448  | 2.2638  | 2.4149  | 2.6245  | 2.9768  | 3.3257   | 4.1403   |          |
| 15 | 1.3406 | 1.7531 | 2.1315  | 2.2485  | 2.3970  | 2.6025  | 2.9467  | 3.2860   | 4.0728   |          |
| 16 | 1.3368 | 1.7459 | 2.1199  | 2.2354  | 2.3815  | 2.5835  | 2.9208  | 3.2520   | 4.0149   |          |
| 17 | 1.3334 | 1.7396 | 2.1098  | 2.2238  | 2.3681  | 2.5669  | 2.8982  | 3.2224   | 3.9651   |          |
| 18 | 1.3304 | 1.7341 | 2.1009  | 2.2137  | 2.3562  | 2.5524  | 2.8784  | 3.1966   | 3.9217   |          |
| 19 | 1.3277 | 1.7291 | 2.0930  | 2.2047  | 2.3457  | 2.5395  | 2.8609  | 3.1737   | 3.8833   |          |
| 20 | 1.3253 | 1.7247 | 2.0860  | 2.1967  | 2.3362  | 2.5280  | 2.8453  | 3.1534   | 3.8496   |          |
| 21 | 1.3232 | 1.7207 | 2.0796  | 2.1894  | 2.3278  | 2.5176  | 2.8314  | 3.1352   | 3.8193   |          |
| 22 | 1.3212 | 1.7171 | 2.0739  | 2.1829  | 2.3202  | 2.5083  | 2.8188  | 3.1188   | 3.7922   |          |
| 23 | 1.3195 | 1.7139 | 2.0687  | 2.1770  | 2.3132  | 2.4999  | 2.8073  | 3.1040   | 3.7676   |          |
| 24 | 1.3178 | 1.7109 | 2.0639  | 2.1715  | 2.3069  | 2.4922  | 2.7970  | 3.0905   | 3.7454   |          |
| 25 | 1.3163 | 1.7081 | 2.0595  | 2.1666  | 2.3011  | 2.4851  | 2.7874  | 3.0782   | 3.7251   |          |
| 26 | 1.3150 | 1.7056 | 2.0555  | 2.1620  | 2.2958  | 2.4786  | 2.7787  | 3.0669   | 3.7067   |          |
| 27 | 1.3137 | 1.7033 | 2.0518  | 2.1578  | 2.2909  | 2.4727  | 2.7707  | 3.0565   | 3.6895   |          |
| 28 | 1.3125 | 1.7011 | 2.0484  | 2.1539  | 2.2864  | 2.4671  | 2.7633  | 3.0470   | 3.6739   |          |
| 29 | 1.3114 | 1.6991 | 2.0452  | 2.1503  | 2.2822  | 2.4620  | 2.7564  | 3.0380   | 3.6595   |          |
| 30 | 1.3104 | 1.6973 | 2.0423  | 2.1470  | 2.2783  | 2.4573  | 2.7500  | 3.0298   | 3.6460   |          |
| 31 | 1.3095 | 1.6955 | 2.0395  | 2.1438  | 2.2746  | 2.4528  | 2.7440  | 3.0221   | 3.6335   |          |
| 32 | 1.3086 | 1.6939 | 2.0369  | 2.1409  | 2.2712  | 2.4487  | 2.7385  | 3.0149   | 3.6218   |          |
| 33 | 1.3077 | 1.6924 | 2.0345  | 2.1382  | 2.2680  | 2.4448  | 2.7333  | 3.0082   | 3.6109   |          |
| 34 | 1.3070 | 1.6909 | 2.0322  | 2.1356  | 2.2650  | 2.4411  | 2.7284  | 3.0020   | 3.6007   |          |
| 35 | 1.3062 | 1.6896 | 2.0301  | 2.1332  | 2.2622  | 2.4377  | 2.7238  | 2.9961   | 3.5911   |          |

ตารางที่ ค.1 ตารางแจกแจง  $t$  (ต่อ)

| df | 0.1    | 0.05   | 0.025  | 0.02   | 0.015  | 0.01   | 0.005  | 0.0025 | 0.0005 | One-tail |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
|    | 0.2    | 0.1    | 0.05   | 0.04   | 0.03   | 0.02   | 0.01   | 0.005  | 0.001  | Two-tail |
| 36 | 1.3055 | 1.6883 | 2.0281 | 2.1309 | 2.2595 | 2.4345 | 2.7195 | 2.9905 | 3.5821 |          |
| 37 | 1.3049 | 1.6871 | 2.0262 | 2.1287 | 2.2570 | 2.4314 | 2.7154 | 2.9853 | 3.5737 |          |
| 38 | 1.3042 | 1.6860 | 2.0244 | 2.1267 | 2.2546 | 2.4286 | 2.7116 | 2.9803 | 3.5657 |          |
| 39 | 1.3036 | 1.6849 | 2.0227 | 2.1247 | 2.2524 | 2.4258 | 2.7079 | 2.9756 | 3.5581 |          |
| 40 | 1.3031 | 1.6839 | 2.0211 | 2.1229 | 2.2503 | 2.4233 | 2.7045 | 2.9712 | 3.5510 |          |
| 41 | 1.3025 | 1.6829 | 2.0195 | 2.1212 | 2.2483 | 2.4208 | 2.7012 | 2.9670 | 3.5443 |          |
| 42 | 1.3020 | 1.6820 | 2.0181 | 2.1195 | 2.2463 | 2.4185 | 2.6981 | 2.9630 | 3.5377 |          |
| 43 | 1.3016 | 1.6811 | 2.0167 | 2.1179 | 2.2445 | 2.4163 | 2.6951 | 2.9592 | 3.5316 |          |
| 44 | 1.3011 | 1.6802 | 2.0154 | 2.1164 | 2.2428 | 2.4141 | 2.6923 | 2.9555 | 3.5258 |          |
| 45 | 1.3007 | 1.6794 | 2.0141 | 2.1150 | 2.2411 | 2.4121 | 2.6896 | 2.9521 | 3.5203 |          |
| 46 | 1.3002 | 1.6787 | 2.0129 | 2.1136 | 2.2395 | 2.4102 | 2.6870 | 2.9488 | 3.5149 |          |
| 47 | 1.2998 | 1.6779 | 2.0117 | 2.1123 | 2.2380 | 2.4083 | 2.6846 | 2.9456 | 3.5099 |          |
| 48 | 1.2994 | 1.6772 | 2.0106 | 2.1111 | 2.2365 | 2.4066 | 2.6822 | 2.9426 | 3.5050 |          |
| 49 | 1.2991 | 1.6766 | 2.0096 | 2.1099 | 2.2351 | 2.4049 | 2.6800 | 2.9397 | 3.5005 |          |
| 50 | 1.2987 | 1.6759 | 2.0086 | 2.1087 | 2.2338 | 2.4033 | 2.6778 | 2.9370 | 3.4960 |          |
| 51 | 1.2984 | 1.6753 | 2.0076 | 2.1076 | 2.2325 | 2.4017 | 2.6757 | 2.9343 | 3.4917 |          |
| 52 | 1.2980 | 1.6747 | 2.0066 | 2.1066 | 2.2313 | 2.4002 | 2.6737 | 2.9318 | 3.4877 |          |
| 53 | 1.2977 | 1.6741 | 2.0057 | 2.1055 | 2.2301 | 2.3988 | 2.6718 | 2.9293 | 3.4837 |          |
| 54 | 1.2974 | 1.6736 | 2.0049 | 2.1046 | 2.2289 | 2.3974 | 2.6700 | 2.9270 | 3.4799 |          |
| 55 | 1.2971 | 1.6730 | 2.0040 | 2.1036 | 2.2279 | 2.3961 | 2.6682 | 2.9247 | 3.4765 |          |
| 56 | 1.2969 | 1.6725 | 2.0032 | 2.1027 | 2.2268 | 2.3948 | 2.6665 | 2.9225 | 3.4730 |          |
| 57 | 1.2966 | 1.6720 | 2.0025 | 2.1018 | 2.2258 | 2.3936 | 2.6649 | 2.9204 | 3.4695 |          |
| 58 | 1.2963 | 1.6716 | 2.0017 | 2.1010 | 2.2248 | 2.3924 | 2.6633 | 2.9184 | 3.4663 |          |
| 59 | 1.2961 | 1.6711 | 2.0010 | 2.1002 | 2.2238 | 2.3912 | 2.6618 | 2.9164 | 3.4632 |          |
| 60 | 1.2958 | 1.6706 | 2.0003 | 2.0994 | 2.2229 | 2.3901 | 2.6603 | 2.9146 | 3.4602 |          |
| 61 | 1.2956 | 1.6702 | 1.9996 | 2.0986 | 2.2220 | 2.3890 | 2.6589 | 2.9127 | 3.4572 |          |
| 62 | 1.2954 | 1.6698 | 1.9990 | 2.0979 | 2.2212 | 2.3880 | 2.6575 | 2.9110 | 3.4545 |          |
| 63 | 1.2951 | 1.6694 | 1.9983 | 2.0971 | 2.2203 | 2.3870 | 2.6561 | 2.9093 | 3.4517 |          |
| 64 | 1.2949 | 1.6690 | 1.9977 | 2.0965 | 2.2195 | 2.3860 | 2.6549 | 2.9076 | 3.4491 |          |
| 65 | 1.2947 | 1.6686 | 1.9971 | 2.0958 | 2.2188 | 2.3851 | 2.6536 | 2.9060 | 3.4466 |          |
| 66 | 1.2945 | 1.6683 | 1.9966 | 2.0951 | 2.2180 | 2.3842 | 2.6524 | 2.9045 | 3.4441 |          |
| 67 | 1.2943 | 1.6679 | 1.9960 | 2.0945 | 2.2173 | 2.3833 | 2.6512 | 2.9030 | 3.4418 |          |
| 68 | 1.2941 | 1.6676 | 1.9955 | 2.0939 | 2.2166 | 2.3824 | 2.6501 | 2.9015 | 3.4395 |          |
| 69 | 1.2939 | 1.6672 | 1.9949 | 2.0933 | 2.2159 | 2.3816 | 2.6490 | 2.9001 | 3.4372 |          |
| 70 | 1.2938 | 1.6669 | 1.9944 | 2.0927 | 2.2152 | 2.3808 | 2.6479 | 2.8987 | 3.4350 |          |