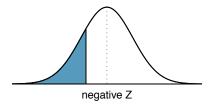
Parameters, Point Estimates, & Standard Errors Table

| Population Parameter | Point Estimate | | SE for Confidence Intervals | SE for Hypothesis Tests | |
|-------------------------|-----------------------------------|--|--|---|--|
| μ | \overline{x} | $\frac{\sigma}{\sqrt{n}}$ | $\frac{s}{\sqrt{l}}$ | 1 | |
| $\mu_1 - \mu_2$ | $\overline{x}_1 - \overline{x}_2$ | $\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}$ | $\sqrt{\frac{s_1^2}{n_1}}$ + | $\frac{s_2^2}{n_2}$ 2 | |
| $\mu_{	extit{diff}}$ | \overline{x}_{diff} | $\frac{\sigma_{diff}}{\sqrt{n}}$ | Sdif √I | <u>f</u> | |
| р | p | $\sqrt{\frac{p(1-p)}{n}}$ | $\sqrt{\frac{\widehat{p}(1-\widehat{p})}{n}}$ | $\sqrt{\frac{p_0(1-p_0)}{n}}$ 3 | |
| $p_1 - p_2$ | $\widehat{p}_1 - \widehat{p}_2$ | $\sqrt{\frac{p_1(1-p_1)}{n_1} + \frac{p_2(1-p_2)}{n_1}}$ | $\sqrt{\frac{\widehat{p}_1(1-\widehat{p}_1)}{n_1} + \frac{\widehat{p}_2(1-\widehat{p}_2)}{n_2}}$ | $\sqrt{\frac{\widehat{p}(1-\widehat{p})}{n_1} + \frac{\widehat{p}(1-\widehat{p})}{n_2}} 4$ | |

²When using t-test, if you think the population SD's are similar, can use pooled SD estimate $s_{pooled}^2 = \frac{s_1^2 \times (n_1-1) + s_2^2 \times (n_2-1)}{n_1+n_2-2}$ in place of s_1^2 and s_2^2

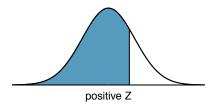
 $^{^{3}}p_{0}$ is the null value from $H_{0}: p = p_{0}$

 $^{^4\}widehat{\rho}$ is the pooled estimate $\frac{\widehat{\rho}_1n_1+\widehat{\rho}_2n_2}{n_1+n_2}=\frac{\text{total }\#\text{ of successes in both groups}}{n_1+n_2},$ since under $H_0:\rho_1=\rho_2$



| Second decimal place of Z | | | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 0.09 | 0.08 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 | Z |
| 0.0002 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | -3.4 |
| 0.0003 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0004 | 0.0005 | 0.0005 | 0.0005 | -3.3 |
| 0.0005 | 0.0005 | 0.0005 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0006 | 0.0007 | 0.0007 | -3.2 |
| 0.0007 | 0.0007 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0009 | 0.0009 | 0.0010 | -3.1 |
| 0.0010 | 0.0010 | 0.0011 | 0.0011 | 0.0011 | 0.0012 | 0.0012 | 0.0013 | 0.0013 | 0.0013 | -3.0 |
| 0.0014 | 0.0014 | 0.0015 | 0.0015 | 0.0016 | 0.0016 | 0.0017 | 0.0018 | 0.0018 | 0.0019 | -2.9 |
| 0.0019 | 0.0020 | 0.0021 | 0.0021 | 0.0022 | 0.0023 | 0.0023 | 0.0024 | 0.0025 | 0.0026 | -2.8 |
| 0.0026 | 0.0027 | 0.0028 | 0.0029 | 0.0030 | 0.0031 | 0.0032 | 0.0033 | 0.0034 | 0.0035 | -2.7 |
| 0.0036 | 0.0037 | 0.0038 | 0.0039 | 0.0040 | 0.0041 | 0.0043 | 0.0044 | 0.0045 | 0.0047 | -2.6 |
| 0.0048 | 0.0049 | 0.0051 | 0.0052 | 0.0054 | 0.0055 | 0.0057 | 0.0059 | 0.0060 | 0.0062 | -2.5 |
| 0.0064 | 0.0066 | 0.0068 | 0.0069 | 0.0071 | 0.0073 | 0.0075 | 0.0078 | 0.0080 | 0.0082 | -2.4 |
| 0.0084 | 0.0087 | 0.0089 | 0.0091 | 0.0094 | 0.0096 | 0.0099 | 0.0102 | 0.0104 | 0.0107 | -2.3 |
| 0.0110 | 0.0113 | 0.0116 | 0.0119 | 0.0122 | 0.0125 | 0.0129 | 0.0132 | 0.0136 | 0.0139 | -2.2 |
| 0.0143 | 0.0146 | 0.0150 | 0.0154 | 0.0158 | 0.0162 | 0.0166 | 0.0170 | 0.0174 | 0.0179 | -2.1 |
| 0.0183 | 0.0188 | 0.0192 | 0.0197 | 0.0202 | 0.0207 | 0.0212 | 0.0217 | 0.0222 | 0.0228 | -2.0 |
| 0.0233 | 0.0239 | 0.0244 | 0.0250 | 0.0256 | 0.0262 | 0.0268 | 0.0274 | 0.0281 | 0.0287 | -1.9 |
| 0.0294 | 0.0301 | 0.0307 | 0.0314 | 0.0322 | 0.0329 | 0.0336 | 0.0344 | 0.0351 | 0.0359 | -1.8 |
| 0.0367 | 0.0375 | 0.0384 | 0.0392 | 0.0401 | 0.0409 | 0.0418 | 0.0427 | 0.0436 | 0.0446 | -1.7 |
| 0.0455 | 0.0465 | 0.0475 | 0.0485 | 0.0495 | 0.0505 | 0.0516 | 0.0526 | 0.0537 | 0.0548 | -1.6 |
| 0.0559 | 0.0571 | 0.0582 | 0.0594 | 0.0606 | 0.0618 | 0.0630 | 0.0643 | 0.0655 | 0.0668 | -1.5 |
| 0.0681 | 0.0694 | 0.0708 | 0.0721 | 0.0735 | 0.0749 | 0.0764 | 0.0778 | 0.0793 | 0.0808 | -1.4 |
| 0.0823 | 0.0838 | 0.0853 | 0.0869 | 0.0885 | 0.0901 | 0.0918 | 0.0934 | 0.0951 | 0.0968 | -1.3 |
| 0.0985 | 0.1003 | 0.1020 | 0.1038 | 0.1056 | 0.1075 | 0.1093 | 0.1112 | 0.1131 | 0.1151 | -1.2 |
| 0.1170 | 0.1190 | 0.1210 | 0.1230 | 0.1251 | 0.1271 | 0.1292 | 0.1314 | 0.1335 | 0.1357 | -1.1 |
| 0.1379 | 0.1401 | 0.1423 | 0.1446 | 0.1469 | 0.1492 | 0.1515 | 0.1539 | 0.1562 | 0.1587 | -1.0 |
| 0.1611 | 0.1635 | 0.1660 | 0.1685 | 0.1711 | 0.1736 | 0.1762 | 0.1788 | 0.1814 | 0.1841 | -0.9 |
| 0.1867 | 0.1894 | 0.1922 | 0.1949 | 0.1977 | 0.2005 | 0.2033 | 0.2061 | 0.2090 | 0.2119 | -0.8 |
| 0.2148 | 0.2177 | 0.2206 | 0.2236 | 0.2266 | 0.2296 | 0.2327 | 0.2358 | 0.2389 | 0.2420 | -0.7 |
| 0.2451 | 0.2483 | 0.2514 | 0.2546 | 0.2578 | 0.2611 | 0.2643 | 0.2676 | 0.2709 | 0.2743 | -0.6 |
| 0.2776 | 0.2810 | 0.2843 | 0.2877 | 0.2912 | 0.2946 | 0.2981 | 0.3015 | 0.3050 | 0.3085 | -0.5 |
| 0.3121 | 0.3156 | 0.3192 | 0.3228 | 0.3264 | 0.3300 | 0.3336 | 0.3372 | 0.3409 | 0.3446 | -0.4 |
| 0.3483 | 0.3520 | 0.3557 | 0.3594 | 0.3632 | 0.3669 | 0.3707 | 0.3745 | 0.3783 | 0.3821 | -0.3 |
| 0.3859 | 0.3897 | 0.3936 | 0.3974 | 0.4013 | 0.4052 | 0.4090 | 0.4129 | 0.4168 | 0.4207 | -0.2 |
| 0.4247 | 0.4286 | 0.4325 | 0.4364 | 0.4404 | 0.4443 | 0.4483 | 0.4522 | 0.4562 | 0.4602 | -0.1 |
| 0.4641 *For 7 | 0.4681 | 0.4721 | 0.4761 | 0.4801 | 0.4840 | 0.4880 | 0.4920 | 0.4960 | 0.5000 | -0.0 |

*For $Z \leq -3.50$, the probability is less than or equal to 0.0002.



| | | | | Seco | nd decim | nal place | of Z | | | |
|-----|--------|--------|--------|--------|----------|-----------|--------|--------|--------|--------|
| Z | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
| 0.0 | 0.5000 | 0.5040 | 0.5080 | 0.5120 | 0.5160 | 0.5199 | 0.5239 | 0.5279 | 0.5319 | 0.5359 |
| 0.1 | 0.5398 | 0.5438 | 0.5478 | 0.5517 | 0.5557 | 0.5596 | 0.5636 | 0.5675 | 0.5714 | 0.5753 |
| 0.2 | 0.5793 | 0.5832 | 0.5871 | 0.5910 | 0.5948 | 0.5987 | 0.6026 | 0.6064 | 0.6103 | 0.6141 |
| 0.3 | 0.6179 | 0.6217 | 0.6255 | 0.6293 | 0.6331 | 0.6368 | 0.6406 | 0.6443 | 0.6480 | 0.6517 |
| 0.4 | 0.6554 | 0.6591 | 0.6628 | 0.6664 | 0.6700 | 0.6736 | 0.6772 | 0.6808 | 0.6844 | 0.6879 |
| 0.5 | 0.6915 | 0.6950 | 0.6985 | 0.7019 | 0.7054 | 0.7088 | 0.7123 | 0.7157 | 0.7190 | 0.7224 |
| 0.6 | 0.7257 | 0.7291 | 0.7324 | 0.7357 | 0.7389 | 0.7422 | 0.7454 | 0.7486 | 0.7517 | 0.7549 |
| 0.7 | 0.7580 | 0.7611 | 0.7642 | 0.7673 | 0.7704 | 0.7734 | 0.7764 | 0.7794 | 0.7823 | 0.7852 |
| 0.8 | 0.7881 | 0.7910 | 0.7939 | 0.7967 | 0.7995 | 0.8023 | 0.8051 | 0.8078 | 0.8106 | 0.8133 |
| 0.9 | 0.8159 | 0.8186 | 0.8212 | 0.8238 | 0.8264 | 0.8289 | 0.8315 | 0.8340 | 0.8365 | 0.8389 |
| 1.0 | 0.8413 | 0.8438 | 0.8461 | 0.8485 | 0.8508 | 0.8531 | 0.8554 | 0.8577 | 0.8599 | 0.8621 |
| 1.1 | 0.8643 | 0.8665 | 0.8686 | 0.8708 | 0.8729 | 0.8749 | 0.8770 | 0.8790 | 0.8810 | 0.8830 |
| 1.2 | 0.8849 | 0.8869 | 0.8888 | 0.8907 | 0.8925 | 0.8944 | 0.8962 | 0.8980 | 0.8997 | 0.9015 |
| 1.3 | 0.9032 | 0.9049 | 0.9066 | 0.9082 | 0.9099 | 0.9115 | 0.9131 | 0.9147 | 0.9162 | 0.9177 |
| 1.4 | 0.9192 | 0.9207 | 0.9222 | 0.9236 | 0.9251 | 0.9265 | 0.9279 | 0.9292 | 0.9306 | 0.9319 |
| 1.5 | 0.9332 | 0.9345 | 0.9357 | 0.9370 | 0.9382 | 0.9394 | 0.9406 | 0.9418 | 0.9429 | 0.9441 |
| 1.6 | 0.9452 | 0.9463 | 0.9474 | 0.9484 | 0.9495 | 0.9505 | 0.9515 | 0.9525 | 0.9535 | 0.9545 |
| 1.7 | 0.9554 | 0.9564 | 0.9573 | 0.9582 | 0.9591 | 0.9599 | 0.9608 | 0.9616 | 0.9625 | 0.9633 |
| 1.8 | 0.9641 | 0.9649 | 0.9656 | 0.9664 | 0.9671 | 0.9678 | 0.9686 | 0.9693 | 0.9699 | 0.9706 |
| 1.9 | 0.9713 | 0.9719 | 0.9726 | 0.9732 | 0.9738 | 0.9744 | 0.9750 | 0.9756 | 0.9761 | 0.9767 |
| 2.0 | 0.9772 | 0.9778 | 0.9783 | 0.9788 | 0.9793 | 0.9798 | 0.9803 | 0.9808 | 0.9812 | 0.9817 |
| 2.1 | 0.9821 | 0.9826 | 0.9830 | 0.9834 | 0.9838 | 0.9842 | 0.9846 | 0.9850 | 0.9854 | 0.9857 |
| 2.2 | 0.9861 | 0.9864 | 0.9868 | 0.9871 | 0.9875 | 0.9878 | 0.9881 | 0.9884 | 0.9887 | 0.9890 |
| 2.3 | 0.9893 | 0.9896 | 0.9898 | 0.9901 | 0.9904 | 0.9906 | 0.9909 | 0.9911 | 0.9913 | 0.9916 |
| 2.4 | 0.9918 | 0.9920 | 0.9922 | 0.9925 | 0.9927 | 0.9929 | 0.9931 | 0.9932 | 0.9934 | 0.9936 |
| 2.5 | 0.9938 | 0.9940 | 0.9941 | 0.9943 | 0.9945 | 0.9946 | 0.9948 | 0.9949 | 0.9951 | 0.9952 |
| 2.6 | 0.9953 | 0.9955 | 0.9956 | 0.9957 | 0.9959 | 0.9960 | 0.9961 | 0.9962 | 0.9963 | 0.9964 |
| 2.7 | 0.9965 | 0.9966 | 0.9967 | 0.9968 | 0.9969 | 0.9970 | 0.9971 | 0.9972 | 0.9973 | 0.9974 |
| 2.8 | 0.9974 | 0.9975 | 0.9976 | 0.9977 | 0.9977 | 0.9978 | 0.9979 | 0.9979 | 0.9980 | 0.9981 |
| 2.9 | 0.9981 | 0.9982 | 0.9982 | 0.9983 | 0.9984 | 0.9984 | 0.9985 | 0.9985 | 0.9986 | 0.9986 |
| 3.0 | 0.9987 | 0.9987 | 0.9987 | 0.9988 | 0.9988 | 0.9989 | 0.9989 | 0.9989 | 0.9990 | 0.9990 |
| 3.1 | 0.9990 | 0.9991 | 0.9991 | 0.9991 | 0.9992 | 0.9992 | 0.9992 | 0.9992 | 0.9993 | 0.9993 |
| 3.2 | 0.9993 | 0.9993 | 0.9994 | 0.9994 | 0.9994 | 0.9994 | 0.9994 | 0.9995 | 0.9995 | 0.9995 |
| 3.3 | 0.9995 | 0.9995 | 0.9995 | 0.9996 | 0.9996 | 0.9996 | 0.9996 | 0.9996 | 0.9996 | 0.9997 |
| 3.4 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9997 | 0.9998 |

*For $Z \ge 3.50$, the probability is greater than or equal to 0.9998.

B.2 t Distribution Table

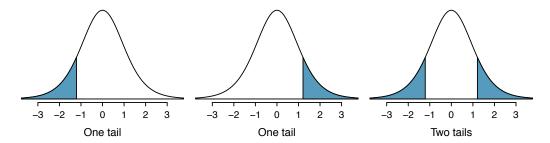


Figure B.1: Three t distributions.

| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | one tail | 0.100 | 0.050 | 0.025 | 0.010 | 0.005 |
|---|-----------|-------|-------|-------|-------|-------|
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | two tails | 0.200 | 0.100 | 0.050 | 0.020 | 0.010 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | df 1 | | 6.31 | | | 63.66 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 1.89 | | | 6.96 | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 3 | 1.64 | 2.35 | 3.18 | 4.54 | 5.84 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 1.53 | 2.13 | 2.78 | 3.75 | 4.60 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | 1.48 | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 6 | 1.44 | 1.94 | 2.45 | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | 1.89 | | | 3.50 |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 8 | 1.40 | 1.86 | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 9 | 1.38 | 1.83 | 2.26 | 2.82 | 3.25 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 10 | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 11 | 1.36 | 1.80 | 2.20 | 2.72 | 3.11 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 12 | 1.36 | 1.78 | 2.18 | 2.68 | 3.05 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 13 | 1.35 | 1.77 | 2.16 | 2.65 | 3.01 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 14 | 1.35 | 1.76 | 2.14 | 2.62 | 2.98 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 15 | 1.34 | 1.75 | 2.13 | 2.60 | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 16 | 1.34 | 1.75 | 2.12 | 2.58 | 2.92 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 17 | 1.33 | 1.74 | 2.11 | 2.57 | 2.90 |
| $\begin{array}{ c cccccccccccccccccccccccccccccccccc$ | 18 | 1.33 | 1.73 | 2.10 | 2.55 | 2.88 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 19 | 1.33 | 1.73 | 2.09 | 2.54 | 2.86 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 20 | 1.33 | 1.72 | 2.09 | 2.53 | 2.85 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 21 | 1.32 | 1.72 | 2.08 | 2.52 | 2.83 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 22 | 1.32 | 1.72 | 2.07 | 2.51 | 2.82 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 23 | 1.32 | 1.71 | 2.07 | 2.50 | 2.81 |
| 26 1.31 1.71 2.06 2.48 2.78 27 1.31 1.70 2.05 2.47 2.77 28 1.31 1.70 2.05 2.47 2.76 29 1.31 1.70 2.05 2.46 2.76 | 24 | 1.32 | 1.71 | 2.06 | 2.49 | 2.80 |
| 27 1.31 1.70 2.05 2.47 2.77 28 1.31 1.70 2.05 2.47 2.76 29 1.31 1.70 2.05 2.46 2.76 | 25 | 1.32 | | 2.06 | 2.49 | 2.79 |
| 28 1.31 | 26 | 1.31 | 1.71 | 2.06 | 2.48 | 2.78 |
| 29 1.31 1.70 2.05 2.46 2.76 | 27 | 1.31 | 1.70 | 2.05 | 2.47 | 2.77 |
| | 28 | 1.31 | 1.70 | 2.05 | 2.47 | 2.76 |
| 30 1.31 1.70 2.04 2.46 2.75 | 29 | 1.31 | 1.70 | 2.05 | 2.46 | 2.76 |
| | 30 | 1.31 | 1.70 | 2.04 | 2.46 | 2.75 |

| one tail | 0.100 | 0.050 | 0.025 | 0.010 | 0.005 |
|---------------|-------|-------|-------|-------|-------|
| two tails | 0.200 | 0.100 | 0.050 | 0.020 | 0.010 |
| df 31 | 1.31 | 1.70 | 2.04 | 2.45 | 2.74 |
| 32 | 1.31 | 1.69 | 2.04 | 2.45 | 2.74 |
| 33 | 1.31 | 1.69 | 2.03 | 2.44 | 2.73 |
| 34 | 1.31 | 1.69 | 2.03 | 2.44 | 2.73 |
| 35 | 1.31 | 1.69 | 2.03 | 2.44 | 2.72 |
| 36 | 1.31 | 1.69 | 2.03 | 2.43 | 2.72 |
| 37 | 1.30 | 1.69 | 2.03 | 2.43 | 2.72 |
| 38 | 1.30 | 1.69 | 2.02 | 2.43 | 2.71 |
| 39 | 1.30 | 1.68 | 2.02 | 2.43 | 2.71 |
| 40 | 1.30 | 1.68 | 2.02 | 2.42 | 2.70 |
| 41 | 1.30 | 1.68 | 2.02 | 2.42 | 2.70 |
| 42 | 1.30 | 1.68 | 2.02 | 2.42 | 2.70 |
| 43 | 1.30 | 1.68 | 2.02 | 2.42 | 2.70 |
| 44 | 1.30 | 1.68 | 2.02 | 2.41 | 2.69 |
| 45 | 1.30 | 1.68 | 2.01 | 2.41 | 2.69 |
| 46 | 1.30 | 1.68 | 2.01 | 2.41 | 2.69 |
| 47 | 1.30 | 1.68 | 2.01 | 2.41 | 2.68 |
| 48 | 1.30 | 1.68 | 2.01 | 2.41 | 2.68 |
| 49 | 1.30 | 1.68 | 2.01 | 2.40 | 2.68 |
| 50 | 1.30 | 1.68 | 2.01 | 2.40 | 2.68 |
| 60 | 1.30 | 1.67 | 2.00 | 2.39 | 2.66 |
| 70 | 1.29 | 1.67 | 1.99 | 2.38 | 2.65 |
| 80 | 1.29 | 1.66 | 1.99 | 2.37 | 2.64 |
| 90 | 1.29 | 1.66 | 1.99 | 2.37 | 2.63 |
| 100 | 1.29 | 1.66 | 1.98 | 2.36 | 2.63 |
| 150 | 1.29 | 1.66 | 1.98 | 2.35 | 2.61 |
| 200 | 1.29 | 1.65 | 1.97 | 2.35 | 2.60 |
| 300 | 1.28 | 1.65 | 1.97 | 2.34 | 2.59 |
| 400 | 1.28 | 1.65 | 1.97 | 2.34 | 2.59 |
| 500 | 1.28 | 1.65 | 1.96 | 2.33 | 2.59 |
| $\overline{}$ | 1.28 | 1.65 | 1.96 | 2.33 | 2.58 |
| | | | | | |

B.3 Chi-Square Probability Table

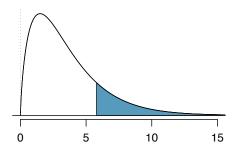


Figure B.2: Areas in the chi-square table always refer to the right tail.

| Upper tail | 0.3 | 0.2 | 0.1 | 0.05 | 0.02 | 0.01 | 0.005 | 0.001 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| df 2 | 2.41 | 3.22 | 4.61 | 5.99 | 7.82 | 9.21 | 10.60 | 13.82 |
| 3 | 3.66 | 4.64 | 6.25 | 7.81 | 9.84 | 11.34 | 12.84 | 16.27 |
| 4 | 4.88 | 5.99 | 7.78 | 9.49 | 11.67 | 13.28 | 14.86 | 18.47 |
| 5 | 6.06 | 7.29 | 9.24 | 11.07 | 13.39 | 15.09 | 16.75 | 20.52 |
| 6 | 7.23 | 8.56 | 10.64 | 12.59 | 15.03 | 16.81 | 18.55 | 22.46 |
| 7 | 8.38 | 9.80 | 12.02 | 14.07 | 16.62 | 18.48 | 20.28 | 24.32 |
| 8 | 9.52 | 11.03 | 13.36 | 15.51 | 18.17 | 20.09 | 21.95 | 26.12 |
| 9 | 10.66 | 12.24 | 14.68 | 16.92 | 19.68 | 21.67 | 23.59 | 27.88 |
| 10 | 11.78 | 13.44 | 15.99 | 18.31 | 21.16 | 23.21 | 25.19 | 29.59 |
| 11 | 12.90 | 14.63 | 17.28 | 19.68 | 22.62 | 24.72 | 26.76 | 31.26 |
| 12 | 14.01 | 15.81 | 18.55 | 21.03 | 24.05 | 26.22 | 28.30 | 32.91 |
| 13 | 15.12 | 16.98 | 19.81 | 22.36 | 25.47 | 27.69 | 29.82 | 34.53 |
| 14 | 16.22 | 18.15 | 21.06 | 23.68 | 26.87 | 29.14 | 31.32 | 36.12 |
| 15 | 17.32 | 19.31 | 22.31 | 25.00 | 28.26 | 30.58 | 32.80 | 37.70 |
| 16 | 18.42 | 20.47 | 23.54 | 26.30 | 29.63 | 32.00 | 34.27 | 39.25 |
| 17 | 19.51 | 21.61 | 24.77 | 27.59 | 31.00 | 33.41 | 35.72 | 40.79 |
| 18 | 20.60 | 22.76 | 25.99 | 28.87 | 32.35 | 34.81 | 37.16 | 42.31 |
| 19 | 21.69 | 23.90 | 27.20 | 30.14 | 33.69 | 36.19 | 38.58 | 43.82 |
| 20 | 22.77 | 25.04 | 28.41 | 31.41 | 35.02 | 37.57 | 40.00 | 45.31 |
| 25 | 28.17 | 30.68 | 34.38 | 37.65 | 41.57 | 44.31 | 46.93 | 52.62 |
| 30 | 33.53 | 36.25 | 40.26 | 43.77 | 47.96 | 50.89 | 53.67 | 59.70 |
| 40 | 44.16 | 47.27 | 51.81 | 55.76 | 60.44 | 63.69 | 66.77 | 73.40 |
| 50 | 54.72 | 58.16 | 63.17 | 67.50 | 72.61 | 76.15 | 79.49 | 86.66 |