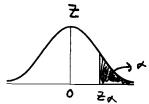
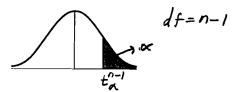
TABLE 1 Normal distribution, right-hand tail probabilities



z .00 .01 .02 .03 .04 .05 .06 .07 .08 .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 .3877 .3859 0.3 .3821 .3783 .3745 .3707 .3669 .3632 .3594 .3557 .3520 .3483 0.4 .3446 .3409 .3372 .3336 .3000 .3264 .3228 .3152 .3153 .3121 0.5 .3085 .3050 .3015 .2981 .2946 .2912 .2877 .2843 .2810 .2776 0.6 .2743 .2709 .26643 .2611 .2578 .2546													
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 <	\overline{z}	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09		
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 .277 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 <t< td=""><td>0.0</td><td>.5000</td><td>.4960</td><td>.4920</td><td>.4880</td><td>.4840</td><td>.4801</td><td>.4761</td><td>.4721</td><td>.4681</td><td>.4641</td></t<>	0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641		
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 .1353 .1314 .1292 .1271 <	0.1	.4602	.4562	.4522	.4483	.4443	.4404						
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 0.9 .1841 .1814 .1788 .1762 .1736 .1711 .1685 .1660 .1635 .1611 1.0 .1587 .1562 .1539 .1515 .1492 .1469 .1446 .1423 .1401 .1373 1.1 .1357 .1335 .1314 .1292 .1271 .1251 .1230 .1210 .1170 1.2 .1151 .1131 .1112 .1093 .0071 .0885 <	0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859		
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 .1190 1.2 .1151 .1131 .1112 .0934 .0918 <	0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483		
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 <t< td=""><td>0.4</td><td>.3446</td><td>.3409</td><td>.3372</td><td>.3336</td><td>.3300</td><td>.3264</td><td>.3228</td><td>.3192</td><td>.3156</td><td>.3121</td></t<>	0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121		
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 .0991 .0885 .0869 .0853 .0838 .0823 1.4 .0808 .0793 .0778 .0660 .0549 <	0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776		
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 <	0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451		
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 .0666 .0594 .0582 .0571 .0559 1.6 .0548 .0537 .0526 .0516 .0505 <	0.7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148		
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 <	0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867		
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 <	0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611		
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 <	1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379		
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 <	1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170		
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 <	1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985		
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 <	1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823		
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 <	1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681		
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 <	1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559		
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 <		.0548	.0537	.0526	.0516	0505	.0495	.0485	.0475	.0465			
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 <		.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375			
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 <				.0344	.0336	.0329	.0322	.0314	.0307	.0301			
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 <	1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239			
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 <	2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183		
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 .0015 .0015 .0014 .0014 3.0 .0013 .0013 .0013 .0012 .0012 .0011 <	2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143		
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 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 <			.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113			
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 .0015 .0015 .0014 .0014 3.0 .0013 .0013 .0013 .0012 .0012 .0011 .0011 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 .0008 .0007 .0007 3.2 .0007 .0006 .0006 .0006 .0006 .0004 .0004 .0004 <		.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087			
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 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 .0008 .0007 .0007 3.2 .0007 .0007 .0006 .0006 .0006 .0006 .0006 .0004 .0004 .0004 .0004 .0004 .0004 .0004 .0004 .0004 .0004 .0004 .0004		.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066			
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 .0015 .0015 .0014 .0014 3.0 .0013 .0013 .0013 .0012 .0012 .0011 .0011 .0010 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 .0008 .0007 .0007 3.2 .0007 .0007 .0006 .0006 .0006 .0006 .0006 .0006 .0004 <td>2.5</td> <td>.0062</td> <td>.0060</td> <td>.0059</td> <td>.0057</td> <td>.0055</td> <td>.0054</td> <td>.0052</td> <td>.0051</td> <td>.0049</td> <td>.0048</td>	2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048		
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 .0011 .0011 .0011 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 .0008 .0007 .0007 3.2 .0007 .0007 .0006 .0006 .0006 .0006 .0006 .0006 .0006 .0004 .0	2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037			
2.9 .0019 .0018 .0018 .0017 .0016 .0016 .0015 .0015 .0014 .0014 3.0 .0013 .0013 .0013 .0012 .0012 .0011 .0011 .0010 .0010 .0010 3.1 .0010 .0009 .0009 .0008 .0008 .0008 .0008 .0007 .0007 3.2 .0007 .0007 .0006 .0006 .0006 .0006 .0006 .0006 .0005 .0005 .0005 3.3 .0005 .0005 .0004 .0	2.7		.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027			
3.0	2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020			
3.1	2.9	.0019	.0018	.0018		.0016	.0016	.0015	.0015	.0014			
3.2	3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010			
3.3 .0005 .0005 .0005 .0004 .0004 .0004 .0004 .0004 .0004 .0003													
10005 10005 10001 10001 10001 10001 10001			.0007	.0006									
3.4 .0003 .0003 .0003 .0003 .0003 .0003 .0003 .0003 .0003 .0003													
	3.4	.0003	.0003	.0003	.0003	₂ 0003	.0003	.0003	.0003	.0003	.0002		

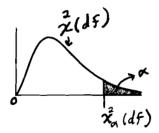
TABLE 2 Cutoff points for Student's t distribution, right-hand tail probabilities



							•					
df	.25	.20	.15	.10	.05	.025	.02	.01	.005	.0025	.001	.0005
1	1.000	1.376	1.963	3.078	6.314	12.71	15.89	31.82	63.66	127.3	318.3	636.6
2	0.816	1.061	1.386	1.886	2.920	4.303	4.849	6.965	9.925	14.09	22.33	31.60
3	0.765	0.978	1.250	1.638	2.353	3.182	3.482	4.541	5.841	7.453	10.21	12.92
4	0.741	0.941	1.190	1.533	2.132	2.776	2.999	3.747	4.604	5.598	7.173	8.610
5	0.727	0.920	1.156	1.476	2.015	2.571	2.757	3.365	4.032	4.773	5.893	6.869
6	0.718	0.906	1.134	1.440	1.943	2.447	2.612	3.143	3.707	4.317	5.208	5.959
7	0.711	0.896	1.119	1.415	1.895	2.365	2.517	2.998	3.499	4.029	4.785	5.408
8	0.706	0.889	1.108	1.397	1.860	2.306	2.449	2.896	3.355	3.833	4.501	5.041
9	0.703	0.883	1.100	1.383	1.833	2.262	2.398	2.821	3.250	3.690	4.297	4.781
10	0.700	0.879	1.093	1.372	1.812	2.228	2.359	2.764	3.169	3.581	4.144	4.587
11	0.697	0.876	1.088	1.363	1.796	2.201	2.328	2.718	3.106	3.497	4.025	4.437
12	0.695	0.873	1.083	1.356	1.782	2.179	2.303	2.681	3.055	3.428	3.930	4.318
13	0.694	0.870	1.079	1.350	1.771	2.160	2.282	2.650	3.012	3.372	3.852	4.221
14	0.692	0.868	1.076	1.345	1.761	2.145	2.264	2.624	2.977	3.326	3.787	4.140
15	0.691	0.866	1.074	1.341	1.753	2.131	2.249	2.602	2.947	3.286	3.733	4.073
16	0.690	0.865	1.071	1.337	1.746	2.120	2.235	2.583	2.921	3.252	3.686	4.015
17	0.689	0.863	1.069	1.333	1.740	2.110	2.224	2.567	2.898	3.222	3.646	3.965
18	0.688	0.862	1.067	1.330	1.734	2.101	2.214	2.552	2.878	3.197	3.611	3.922
19	0.688	0.861	1.066	1.328	1.729	2.093	2.205	2.539	2.861	3.174	3.579	3.883
20	0.687	0.860	1.064	1.325	1.725	2.086	2.197	2.528	2.845	3.153	3.552	3.850
21	0.686	0.859	1.063	1.323	1.721	2.080	2.189	2.518	2.831	3.135	3.527	3.819
22	0.686	0.858	1.061	1.321	1.717	2.074	2.183	2.508	2.819	3.119	3.505	3.792
23	0.685	0.858	1.060	1.319	1.714	2.069	2.177	2.500	2.807	3.104	3.485	3.768
24	0.685	0.857	1.059	1.318	1.711	2.064	2.172	2.492	2.797	3.091	3.467	3.745
25	0.684	0.856	1.058	1.316	1.708	2.060	2.167	2.485	2.787	3.078	3.450	3.725
26	0.684	0.856	1.058	1.315	1.706	2.056	2.162	2.479	2.779	3.067	3.435	3.707
27	0.684	0.855	1.057	1.314	1.703	2.052	2.158	2.473	2.771	3.057	3.421	3.690
28	0.683	0.855	1.056	1.313	1.701	2.048	2.154	2.467	2.763	3.047	3.408	3.674
29	0.683	0.854	1.055	1.311	1.699	2.045	2.150	2.462	2.756	3.038	3.396	3.659
30	0.683	0.854	1.055	1.310	1.697	2.042	2.147	2.457	2.750	3.030	3.385	3.646
40	0.681	0.851	1.050	1.303	1.684	2.021	2.123	2.423	2.704	2.971	3.307	3.551
50	0.679	0.849	1.047	1.299	1.676	2.009	2.109	2.403	2.678	2.937	3.261	3.496
60	0.679	0.848	1.045	1.296	1.671	2.000	2.099	2.390	2.660	2.915	3.232	3.460
80	0.678	0.846	1.043	1.292	1.664	1.990	2.088	2.374	2.639	2.887	3.195	3.416
100	0.677	0.845	1.042	1.290	1.660	1.984	2.081	2.364	2.626	2.871	3.174	3.390
000,1	0.675	0.842	1.037	1.282	1.646	1.962	2.056	2.330	2.581	2.813	3.098	3.300
∞	0.674	0.841	1.036	1.282	1.645	1.960	2.054	2.326	2.576	2.807	3.091	3.291

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TABLE 3 Cutoff points for the chi squared distribution, right-hand tail probabilities



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df	.9995	.999	.9975	.995	.990	.975	.950	.900	.750	.500
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.45
2	0.00	0.00	0.01	0.01	0.02	0.05	0.10	0.21	0.58	1.39
3	0.02	0.02	0.04	0.07	0.11	0.22	0.35	0.58	1.21	2.37
4	0.06	0.09	0.14	0.21	0.30	0.48	0.71	1.06	1.92	3.36
5	0.16	0.21	0.31	0.41	0.55	0.83	1.15	1.61	2.67	4.35
6	0.30	0.38	0.53	0.68	0.87	1.24	1.64	2.20	3.45	5.35
7	0.48	0.60	0.79	0.99	1.24	1.69	2.17	2.83	4.25	6.35
8	0.71	0.86	1.10	1.34	1.65	2.18	2.73	3.49	5.07	7.34
9	0.97	1.15	1.45	1.73	2.09	2.70	3.33	4.17	5.90	8.34
10	1.26	1.48	1.83	2.16	2.56	3.25	3.94	4.87	6.74	9.34
- 11	1.59	1.83	2.23	2.60	3.05	3.82	4.57	5.58	7.58	10.34
12	1.93	2.21	2.66	3.07	3.57	4.40	5.23	6.30	8.44	11.34
13	2.31	2.62	3.11	3.57	4.11	5.01	5.89	7.04	9.30	12.34
14	2.70	3.04	3.58	4.07	4.66	5.63	6.57	7.79	10.17	13.34
15	3.11	3.48	4.07	4.60	5.23	6.26	7.26	8.55	11.04	14.34
16	3.54	3.94	4.57	5.14	5.81	6.91	7.96	9.31	11.91	15.34
17	3.98	4.42	5.09	5.70	6.41	7.56	8.67	10.09	12.79	16.34
18	4.44	4.90	5.62	6.26	7.01	8.23	9.39	10.86	13.68	17.34
19	4.91	5.41	6.17	6.84	7.63	8.91	10.12	11.65	14.56	18.34
20	5.40	5.92	6.72	7.43	8.26	9.59	10.85	12.44	15.45	19.34
21	5.90	6.45	7.29	8.03	8.90	10.28	11.59	13.24	16.34	20.34
22	6.40	6.98	7.86	8.64	9.54	10.98	12.34	14.04	17.24	21.34
23	6.92	7.53	8.45	9.26	10.20	11.69	13.09	14.85	18.14	22.34
24	7.45	8.08	9.04	9.89	10.86	12.40	13.85	15.66	19.04	23.34
25	7.99	8.65	9.65	10.52	11.52	13.12	14.61	16.47	19.94	24.34
26	8.54	9.22	10.26	11.16	12.20	13.84	15.38	17.29	20.84	25.34
27	9.09	9.80	10.87	11.81	12.88	14.57	16.15	18.11	21.75	26.34
28	9.66	10.39	11.50	12.46	13.56	15.31	16.93	18.94	22.66	27.34
29	10.23	10.99	12.13	13.12	14.26	16.05	17.71	19.77	23.57	28.34
30	10.80	11.59	12.76	13.79	14.95	16.79	18.49	20.60	24.48	29.34
40	16.91	17.92	19.42	20.71	22.16	24.43	26.51	29.05	33.66	39.34
50	23.46	24.67	26.46	27.99	29.71	32.36	34.76	37.69	42.94	49.33
60	30.34	31.74	33.79	35.53	37.48	40.48	43.19	46.46	52.29	59.33
80	44.79	46.52	49.04	51.17	53.54	57.15	60.39	64.28	71.14	79.33
100	59.90	61.92	64.86	67.33	70.06	74.22	77.93	82.36	90.13	99.33

TABLE 3 (continued)

df	.250	.200	.150	.100	.050	.025	.020	.010	.005	.0025	.001	.0005
1	1.32	1.64	2.07	2.71	3.84	5.02	5.41	6.63	7.88	9.14	10.83	12.12
2	2.77	3.22	3.79	4.61	5.99	7.38	7.82	9.21	10.60	11.98	13.82	15.20
3	4.11	4.64	5.32	6.25	7.81	9.35	9.84	11.34	12.84	14.32	16.27	17.73
4	5.39	5.99	6.74	7.78	9.49	11.14	11.67	13.28	14.86	16.42	18.47	20.00
5	6.63	7.29	8.12	9.24	11.07	12.83	13.39	15.09	16.75	18.39	20.51	22.11
6	7.84	8.56	9.45	10.64	12.59	14.45	15.03	16.81	18.55	20.25	22.46	24.10
7	9.04	9.80	10.75	12.02	14.07	16.01	16.62	18.48	20.28	22.04	24.32	26.02
8	10.22	11.03	12.03	13.36	15.51	17.53	18.17	20.09	21.95	23.77	26.12	27.87
9	11.39	12.24	13.29	14.68	16.92	19.02	19.68	21.67	23.59	25.46	27.88	29.67
10	12.55	13.44	14.53	15.99	18.31	20.48	21.16	23.21	25.19	27.11	29.59	31.42
11	13.70	14.63	15.77	17.28	19.68	21.92	22.62	24.72	26.76	28.73	31.26	33.14
12	14.85	15.81	16.99	18.55	21.03	23.34	24.05	26.22	28.30	30.32	32.91	34.82
13	15.98	16.98	18.20	19.81	22.36	24.74	25.47	27.69	29.82	31.88	34.53	36.48
14	17.12	18.15	19.41	21.06	23.68	26.12	26.87	29.14	31.32	33.43	36.12	38.11
15	18.25	19.31	20.60	22.31	25.00	27.49	28.26	30.58	32.80	34.95	37.70	39.72
16	19.37	20.47	21.79	23.54	26.30	28.85	29.63	32.00	34.27	36.46	39.25	41.31
17	20.49	21.61	22.98	24.77	27.59	30.19	31.00	33.41	35.72	37.95	40.79	42.88
18	21.60	22.76	24.16	25.99	28.87	31.53	32.35	34.81	37.16	39.42	42.31	44.43
19	22.72	23.90	25.33	27.20	30.14	32.85	33.69	36.19	38.58	40.88	43.82	45.97
20	23.83	25.04	26.50	28.41	31.41	34.17	35.02	37.57	40.00	42.34	45.31	47.50
21	24.93	26.17	27.66	29.62	32.67	35.48	36.34	38.93	41.40	43.78	46.80	49.01
22	26.04	27.30	28.82	30.81	33.92	36.78	37.66	40.29	42.80	45.20	48.27	50.51
23	27.14	28.43	29.98	32.01	35.17	38.08	38.97	41.64	44.18	46.62	49.73	52.00
24	28.24	29.55	31.13	33.20	36.42	39.36	40.27	42.98	45.56	48.03	51.18	53.48
25	29.34	30.68	32.28	34.38	37.65	40.65	41.57	44.31	46.93	49.44	52.62	54.95
26	30.43	31.79	33.43	35.56	38.89	41.92	42.86	45.64	48.29	50.83	54.05	56.41
27	31.53	32.91	34.57	36.74	40.11	43.19	44.14	46.96	49.64	52.22	55.48	57.86
28	32.62	34.03	35.71	37.92	41.34	44,46	45.42	48.28	50.99	53.59	56.89	59.30
29	33.71	35.14	36.85	39.09	42.56	45.72	46.69	49.59	52.34	54.97	58.30	60.73
30	34.80	36.25	37.99	40.26	43.77	46.98	47.96	50.89	53.67	56.33	59.70	62.16
40	45.62	47.27	49.24	51.81	55.76	59.34	60.44	63.69	66.77	69.70	73.40	76.09
50	56.33	58.16	60.35	63.17	67.50	71.42	72.61	76.15	79.49	82.66	86.66	89.56
60	66.98	68.97	71.34	74.40	79.08	83.30	84.58	88.38	91.95	95.34	99.61	102.7
80	88.13	90.41	93.11	96.58	101.9	106.6	108.1	112.3	116.3	120.1	124.8	128.3
100	109.1	111.7	114.7	118.5	124.3	129.6	131.1	135.8	140.2	144.3	149.4	153.2