

APPENDIX B

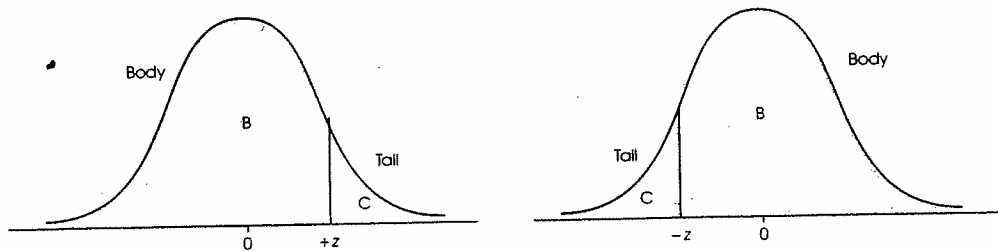
STATISTICAL TABLES

TABLE B.1 THE UNIT NORMAL TABLE*

*Column A lists z-score values. A vertical line drawn through a normal distribution at a z-score location divides the distribution into two sections.

Column B identifies the proportion in the larger section, called the *body*.
 Column C identifies the proportion in the smaller section, called the *tail*.

Note: Because the normal distribution is symmetrical, the proportions for negative z-scores are the same as those for positive z-scores.



(A) z	(B) Proportion in body	(C) Proportion in tail	(A) z	(B) Proportion in body	(C) Proportion in tail	(A) z	(B) Proportion in body	(C) Proportion in tail
0.00	.5000	.5000	0.20	.5793	.4207	0.40	.6554	.3446
0.01	.5040	.4960	0.21	.5832	.4168	0.41	.6591	.3409
0.02	.5080	.4920	0.22	.5871	.4129	0.42	.6628	.3372
0.03	.5120	.4880	0.23	.5910	.4090	0.43	.6664	.3336
0.04	.5160	.4840	0.24	.5948	.4052	0.44	.6700	.3300
0.05	.5199	.4801	0.25	.5987	.4013	0.45	.6736	.3264
0.06	.5239	.4761	0.26	.6026	.3974	0.46	.6772	.3228
0.07	.5279	.4721	0.27	.6064	.3936	0.47	.6808	.3192
0.08	.5319	.4681	0.28	.6103	.3897	0.48	.6844	.3156
0.09	.5359	.4641	0.29	.6141	.3859	0.49	.6879	.3121
0.10	.5398	.4602	0.30	.6179	.3821	0.50	.6915	.3085
0.11	.5438	.4562	0.31	.6217	.3783	0.51	.6950	.3050
0.12	.5478	.4522	0.32	.6255	.3745	0.52	.6985	.3015
0.13	.5517	.4483	0.33	.6293	.3707	0.53	.7019	.2981
0.14	.5557	.4443	0.34	.6331	.3669	0.54	.7054	.2946
0.15	.5596	.4404	0.35	.6368	.3632	0.55	.7088	.2912
0.16	.5636	.4364	0.36	.6406	.3594	0.56	.7123	.2877
0.17	.5675	.4325	0.37	.6443	.3557	0.57	.7157	.2843
0.18	.5714	.4286	0.38	.6480	.3520	0.58	.7190	.2810
0.19	.5753	.4247	0.39	.6517	.3483	0.59	.7224	.2776

TABLE B.1 continued

(A) z	(B) Proportion in body	(C) Proportion in tail	(A) z	(B) Proportion in body	(C) Proportion in tail	(A) z	(B) Proportion in body	(C) Proportion in tail
0.60	.7257	.2743	1.05	.8531	.1469	1.50	.9332	.0668
0.61	.7291	.2709	1.06	.8554	.1446	1.51	.9345	.0655
0.62	.7324	.2676	1.07	.8577	.1423	1.52	.9357	.0643
0.63	.7357	.2643	1.08	.8599	.1401	1.53	.9370	.0630
0.64	.7389	.2611	1.09	.8621	.1379	1.54	.9382	.0618
0.65	.7422	.2578	1.10	.8643	.1357	1.55	.9394	.0606
0.66	.7454	.2546	1.11	.8665	.1335	1.56	.9406	.0594
0.67	.7486	.2514	1.12	.8686	.1314	1.57	.9418	.0582
0.68	.7517	.2483	1.13	.8708	.1292	1.58	.9429	.0571
0.69	.7549	.2451	1.14	.8729	.1271	1.59	.9441	.0559
0.70	.7580	.2420	1.15	.8749	.1251	1.60	.9452	.0548
0.71	.7611	.2389	1.16	.8770	.1230	1.61	.9463	.0537
0.72	.7642	.2358	1.17	.8790	.1210	1.62	.9474	.0526
0.73	.7673	.2327	1.18	.8810	.1190	1.63	.9484	.0516
0.74	.7704	.2296	1.19	.8830	.1170	1.64	.9495	.0505
0.75	.7734	.2266	1.20	.8849	.1151	1.65	.9505	.0495
0.76	.7764	.2236	1.21	.8869	.1131	1.66	.9515	.0485
0.77	.7794	.2206	1.22	.8888	.1112	1.67	.9525	.0475
0.78	.7823	.2177	1.23	.8907	.1093	1.68	.9535	.0465
0.79	.7852	.2148	1.24	.8925	.1075	1.69	.9545	.0455
0.80	.7881	.2119	1.25	.8944	.1056	1.70	.9554	.0446
0.81	.7910	.2090	1.26	.8962	.1038	1.71	.9564	.0436
0.82	.7939	.2061	1.27	.8980	.1020	1.72	.9573	.0427
0.83	.7967	.2033	1.28	.8997	.1003	1.73	.9582	.0418
0.84	.7995	.2005	1.29	.9015	.0985	1.74	.9591	.0409
0.85	.8023	.1977	1.30	.9032	.0968	1.75	.9599	.0401
0.86	.8051	.1949	1.31	.9049	.0951	1.76	.9608	.0392
0.87	.8078	.1922	1.32	.9066	.0934	1.77	.9616	.0384
0.88	.8106	.1894	1.33	.9082	.0918	1.78	.9625	.0375
0.89	.8133	.1867	1.34	.9099	.0901	1.79	.9633	.0367
0.90	.8159	.1841	1.35	.9115	.0885	1.80	.9641	.0359
0.91	.8186	.1814	1.36	.9131	.0869	1.81	.9649	.0351
0.92	.8212	.1788	1.37	.9147	.0853	1.82	.9656	.0344
0.93	.8238	.1762	1.38	.9162	.0838	1.83	.9664	.0336
0.94	.8264	.1736	1.39	.9177	.0823	1.84	.9671	.0329
0.95	.8289	.1711	1.40	.9192	.0808	1.85	.9678	.0322
0.96	.8315	.1685	1.41	.9207	.0793	1.86	.9686	.0314
0.97	.8340	.1660	1.42	.9222	.0778	1.87	.9693	.0307
0.98	.8365	.1635	1.43	.9236	.0764	1.88	.9699	.0301
0.99	.8389	.1611	1.44	.9251	.0749	1.89	.9706	.0294
1.00	.8413	.1587	1.45	.9265	.0735	1.90	.9713	.0287
1.01	.8438	.1562	1.46	.9279	.0721	1.91	.9719	.0281
1.02	.8461	.1539	1.47	.9292	.0708	1.92	.9726	.0274
1.03	.8485	.1515	1.48	.9306	.0694	1.93	.9732	.0268
1.04	.8508	.1492	1.49	.9319	.0681	1.94	.9738	.0262

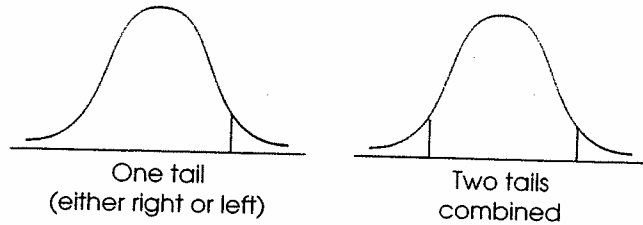
TABLE B.1 continued

(A)	(B)	(C)	(A)	(B)	(C)	(A)	(B)	(C)
<i>z</i>	Proportion in body	Proportion in tail	<i>z</i>	Proportion in body	Proportion in tail	<i>z</i>	Proportion in body	Proportion in tail
1.95	.9744	.0256	2.42	.9922	.0078	2.88	.9980	.0020
1.96	.9750	.0250	2.43	.9925	.0075	2.89	.9981	.0019
1.97	.9756	.0244	2.44	.9927	.0073	2.90	.9981	.0019
1.98	.9761	.0239	2.45	.9929	.0071	2.91	.9982	.0018
1.99	.9767	.0233	2.46	.9931	.0069	2.92	.9982	.0018
2.00	.9772	.0228	2.47	.9932	.0068	2.93	.9983	.0017
2.01	.9778	.0222	2.48	.9934	.0066	2.94	.9984	.0016
2.02	.9783	.0217	2.49	.9936	.0064	2.95	.9984	.0016
2.03	.9788	.0212	2.50	.9938	.0062	2.96	.9985	.0015
2.04	.9793	.0207	2.51	.9940	.0060	2.97	.9985	.0015
2.05	.9798	.0202	2.52	.9941	.0059	2.98	.9986	.0014
2.06	.9803	.0197	2.53	.9943	.0057	2.99	.9986	.0014
2.07	.9808	.0192	2.54	.9945	.0055	3.00	.9987	.0013
2.08	.9812	.0188	2.55	.9946	.0054	3.01	.9987	.0013
2.09	.9817	.0183	2.56	.9948	.0052	3.02	.9987	.0013
2.10	.9821	.0179	2.57	.9949	.0051	3.03	.9988	.0012
2.11	.9826	.0174	2.58	.9951	.0049	3.04	.9988	.0012
2.12	.9830	.0170	2.59	.9952	.0048	3.05	.9989	.0011
2.13	.9834	.0166	2.60	.9953	.0047	3.06	.9989	.0011
2.14	.9838	.0162	2.61	.9955	.0045	3.07	.9989	.0011
2.15	.9842	.0158	2.62	.9956	.0044	3.08	.9990	.0010
2.16	.9846	.0154	2.63	.9957	.0043	3.09	.9990	.0010
2.17	.9850	.0150	2.64	.9959	.0041	3.10	.9990	.0010
2.18	.9854	.0146	2.65	.9960	.0040	3.11	.9991	.0009
2.19	.9857	.0143	2.66	.9961	.0039	3.12	.9991	.0009
2.20	.9861	.0139	2.67	.9962	.0038	3.13	.9991	.0009
2.21	.9864	.0136	2.68	.9963	.0037	3.14	.9992	.0008
2.22	.9868	.0132	2.69	.9964	.0036	3.15	.9992	.0008
2.23	.9871	.0129	2.70	.9965	.0035	3.16	.9992	.0008
2.24	.9875	.0125	2.71	.9966	.0034	3.17	.9992	.0008
2.25	.9878	.0122	2.72	.9967	.0033	3.18	.9993	.0007
2.26	.9881	.0119	2.73	.9968	.0032	3.19	.9993	.0007
2.27	.9884	.0116	2.74	.9969	.0031	3.20	.9993	.0007
2.28	.9887	.0113	2.75	.9970	.0030	3.21	.9993	.0007
2.29	.9890	.0110	2.76	.9971	.0029	3.22	.9994	.0006
2.30	.9893	.0107	2.77	.9972	.0028	3.23	.9994	.0006
2.31	.9896	.0104	2.78	.9973	.0027	3.24	.9994	.0006
2.32	.9898	.0102	2.79	.9974	.0026	3.30	.9995	.0005
2.33	.9901	.0099	2.80	.9974	.0026	3.40	.9997	.0003
2.34	.9904	.0096	2.81	.9975	.0025	3.50	.9998	.0002
2.35	.9906	.0094	2.82	.9976	.0024	3.60	.9998	.0002
2.36	.9909	.0091	2.83	.9977	.0023	3.70	.9999	.0001
2.37	.9911	.0089	2.84	.9977	.0023	3.80	.99993	.00007
2.38	.9913	.0087	2.85	.9978	.0022	3.90	.99995	.00005
2.39	.9916	.0084	2.86	.9979	.0021	4.00	.99997	.00003
2.40	.9918	.0082	2.87	.9979	.0021			
2.41	.9929	.0080						

Generated by the Minitab statistical program using the CDL command.

TABLE B.2 THE *t* DISTRIBUTION

Table entries are values of *t* corresponding to proportions in one tail or in two tails combined.

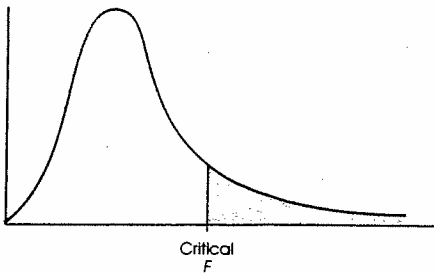


df	Proportion in one tail					
	0.25	0.10	0.05	0.025	0.01	0.005
	Proportion in two tails combined					
	0.50	0.20	0.10	0.05	0.02	0.01
1	1.000	3.078	6.314	12.706	31.821	63.657
2	0.816	1.886	2.920	4.303	6.965	9.925
3	0.765	1.638	2.353	3.182	4.541	5.841
4	0.741	1.533	2.132	2.776	3.747	4.604
5	0.727	1.476	2.015	2.571	3.365	4.032
6	0.718	1.440	1.943	2.447	3.143	3.707
7	0.711	1.415	1.895	2.365	2.998	3.499
8	0.706	1.397	1.860	2.306	2.896	3.355
9	0.703	1.383	1.833	2.262	2.821	3.250
10	0.700	1.372	1.812	2.228	2.764	3.169
11	0.697	1.363	1.796	2.201	2.718	3.106
12	0.695	1.356	1.782	2.179	2.681	3.055
13	0.694	1.350	1.771	2.160	2.650	3.012
14	0.692	1.345	1.761	2.145	2.624	2.977
15	0.691	1.341	1.753	2.131	2.602	2.947
16	0.690	1.337	1.746	2.120	2.583	2.921
17	0.689	1.333	1.740	2.110	2.567	2.898
18	0.688	1.330	1.734	2.101	2.552	2.878
19	0.688	1.328	1.729	2.093	2.539	2.861
20	0.687	1.325	1.725	2.086	2.528	2.845
21	0.686	1.323	1.721	2.080	2.518	2.831
22	0.686	1.321	1.717	2.074	2.508	2.819
23	0.685	1.319	1.714	2.069	2.500	2.807
24	0.685	1.318	1.711	2.064	2.492	2.797
25	0.684	1.316	1.708	2.060	2.485	2.787
26	0.684	1.315	1.706	2.056	2.479	2.779
27	0.684	1.314	1.703	2.052	2.473	2.771
28	0.683	1.313	1.701	2.048	2.467	2.763
29	0.683	1.311	1.699	2.045	2.462	2.756
30	0.683	1.310	1.697	2.042	2.457	2.750
40	0.681	1.303	1.684	2.021	2.423	2.704
60	0.679	1.296	1.671	2.000	2.390	2.660
120	0.677	1.289	1.658	1.980	2.358	2.617
∞	0.674	1.282	1.645	1.960	2.326	2.576

Table III of R. A. Fisher and F. Yates, *Statistical Tables for Biological, Agricultural and Medical Research*, 6th ed. London: Longman Group Ltd., 1974 (previously published by Oliver and Boyd Ltd., Edinburgh). Adapted and reprinted with permission of the Addison Wesley Longman Publishing Co.

TABLE B.4 THE F DISTRIBUTION*

*Table entries in lightface type are critical values for the .05 level of significance. Boldface type values are for the .01 level of significance.



Degrees of Freedom: Denominator	Degrees of freedom: Numerator															
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	
1	161 4052	200 4999	216 5403	225 5625	230 5764	234 5859	237 5928	239 5981	241 6022	242 6056	243 6082	244 6106	245 6142	246 6169	248 6208	
2	18.51 98.49	19.00 99.00	19.16 99.17	19.25 99.25	19.30 99.30	19.33 99.33	19.36 99.34	19.37 99.36	19.38 99.38	19.39 99.40	19.40 99.41	19.41 99.42	19.42 99.43	19.43 99.44	19.44 99.45	
3	10.13 34.12	9.55 30.92	9.28 29.46	9.12 28.71	9.01 28.24	8.94 27.91	8.88 27.67	8.84 27.49	8.81 27.34	8.78 27.23	8.76 27.13	8.74 27.05	8.71 26.92	8.69 26.83	8.66 26.69	
4	7.71 21.20	6.94 18.00	6.59 16.69	6.39 15.98	6.26 15.52	6.16 15.21	6.09 14.98	6.04 14.80	6.00 14.66	5.96 14.54	5.93 14.45	5.91 14.37	5.87 14.24	5.84 14.15	5.80 14.02	
5	6.61 16.26	5.79 13.27	5.41 12.06	5.19 11.39	5.05 10.97	4.95 10.67	4.88 10.45	4.82 10.27	4.78 10.15	4.74 10.05	4.70 9.96	4.68 9.89	4.64 9.77	4.60 9.68	4.56 9.55	
6	5.99 13.74	5.14 10.92	4.76 9.78	4.53 9.15	4.39 8.75	4.28 8.47	4.21 8.26	4.15 8.10	4.10 7.98	4.06 7.87	4.03 7.79	4.00 7.72	3.96 7.60	3.92 7.52	3.87 7.39	
7	5.59 12.25	4.47 9.55	4.35 8.45	4.12 7.85	3.97 7.46	3.87 7.19	3.79 7.00	3.73 6.84	3.68 6.71	3.63 6.62	3.60 6.54	3.57 6.47	3.52 6.35	3.49 6.27	3.44 6.15	
8	5.32 11.26	4.46 8.65	4.07 7.59	3.84 7.01	3.69 6.63	3.58 6.37	3.50 6.19	3.44 6.03	3.39 5.91	3.34 5.82	3.31 5.74	3.28 5.67	3.23 5.56	3.20 5.48	3.15 5.36	
9	5.12 10.56	4.26 8.02	3.86 6.99	3.63 6.42	3.48 6.06	3.37 5.80	3.29 5.62	3.23 5.47	3.18 5.35	3.13 5.26	3.10 5.18	3.07 5.11	3.02 5.00	2.98 4.92	2.93 4.80	
10	4.96 10.04	4.10 7.56	3.71 6.55	3.48 5.99	3.33 5.64	3.22 5.39	3.14 5.21	3.07 5.06	3.02 4.95	2.97 4.85	2.94 4.78	2.91 4.71	2.86 4.60	2.82 4.52	2.77 4.41	
11	4.84 9.65	3.98 7.20	3.59 6.22	3.36 5.67	3.20 5.32	3.09 5.07	3.01 4.88	2.95 4.74	2.90 4.63	2.86 4.54	2.82 4.46	2.79 4.40	2.74 4.29	2.70 4.21	2.65 4.10	
12	4.75 9.33	3.88 6.93	3.49 5.95	3.26 5.41	3.11 5.06	3.00 4.82	2.92 4.65	2.85 4.50	2.80 4.39	2.76 4.30	2.72 4.22	2.69 4.16	2.64 4.05	2.60 3.98	2.54 3.86	
13	4.67 9.07	3.80 6.70	3.41 5.74	3.18 5.20	3.02 4.86	2.92 4.62	2.84 4.44	2.77 4.30	2.72 4.19	2.67 4.10	2.63 4.02	2.60 3.96	2.55 3.85	2.51 3.78	2.46 3.67	
14	4.60 8.86	3.74 6.51	3.34 5.56	3.11 5.03	2.96 4.69	2.85 4.46	2.77 4.28	2.70 4.14	2.65 4.03	2.60 3.94	2.56 3.86	2.53 3.80	2.48 3.70	2.44 3.62	2.39 3.51	
15	4.54 8.68	3.68 6.36	3.29 5.42	3.06 4.89	2.90 4.56	2.79 4.32	2.70 4.14	2.64 4.00	2.59 3.89	2.55 3.80	2.51 3.73	2.48 3.67	2.43 3.56	2.39 3.48	2.33 3.36	
16	4.49 8.53	3.63 6.23	3.24 5.29	3.01 4.77	2.85 4.44	2.74 4.20	2.66 4.03	2.59 3.89	2.54 3.78	2.49 3.69	2.45 3.61	2.42 3.55	2.37 3.45	2.33 3.37	2.28 3.25	

STATISTICAL TABLES

TABLE B.4 continued

Degrees of Freedom: Denominator	Degrees of freedom: Numerator														
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20
17	4.45 8.40	3.59 6.11	3.20 5.18	2.96 4.67	2.81 4.34	2.70 4.10	2.62 3.93	2.55 3.79	2.50 3.68	2.45 3.59	2.41 3.52	2.38 3.45	2.33 3.35	2.29 3.27	2.23 3.16
18	4.41 8.28	3.55 6.01	3.16 5.09	2.93 4.58	2.77 4.25	2.66 4.01	2.58 3.85	2.51 3.71	2.46 3.60	2.41 3.51	2.37 3.44	2.34 3.37	2.29 3.27	2.25 3.19	2.19 3.07
19	4.38 8.18	3.52 5.93	3.13 5.01	2.90 4.50	2.74 4.17	2.63 3.94	2.55 3.77	2.48 3.63	2.43 3.52	2.38 3.43	2.34 3.36	2.31 3.30	2.26 3.19	2.21 3.12	2.15 3.00
20	4.35 8.10	3.49 5.85	3.10 4.94	2.87 4.43	2.71 4.10	2.60 3.87	2.52 3.71	2.45 3.56	2.40 3.45	2.35 3.37	2.31 3.30	2.28 3.23	2.23 3.13	2.18 3.05	2.12 2.94
21	4.32 8.02	3.47 5.78	3.07 4.87	2.84 4.37	2.68 4.04	2.57 3.81	2.49 3.65	2.42 3.51	2.37 3.40	2.32 3.31	2.28 3.24	2.25 3.17	2.20 3.07	2.15 2.99	2.09 2.88
22	4.30 7.94	3.44 5.72	3.05 4.82	2.82 4.31	2.66 3.99	2.55 3.76	2.47 3.59	2.40 3.45	2.35 3.35	2.30 3.26	2.26 3.18	2.23 3.12	2.18 3.02	2.13 2.94	2.07 2.83
23	4.28 7.88	3.42 5.66	3.03 4.76	2.80 4.26	2.64 3.94	2.53 3.71	2.45 3.54	2.38 3.41	2.32 3.30	2.28 3.21	2.24 3.14	2.20 3.07	2.14 2.97	2.10 2.89	2.04 2.78
24	4.26 7.82	3.40 5.61	3.01 4.72	2.78 4.22	2.62 3.90	2.51 3.67	2.43 3.50	2.36 3.36	2.30 3.25	2.26 3.17	2.22 3.09	2.18 3.03	2.13 2.93	2.09 2.85	2.02 2.74
25	4.24 7.77	3.38 5.57	2.99 4.68	2.76 4.18	2.60 3.86	2.49 3.63	2.41 3.46	2.34 3.32	2.28 3.21	2.24 3.13	2.20 3.05	2.16 2.99	2.11 2.89	2.06 2.81	2.00 2.70
26	4.22 7.72	3.37 5.53	2.98 4.64	2.74 4.14	2.59 3.82	2.47 3.59	2.39 3.42	2.32 3.29	2.27 3.17	2.22 3.09	2.18 3.02	2.15 2.96	2.10 2.86	2.05 2.77	1.99 2.66
27	4.21 7.68	3.35 5.49	2.96 4.60	2.73 4.11	2.57 3.79	2.46 3.56	2.37 3.39	2.30 3.26	2.25 3.14	2.20 3.06	2.16 2.98	2.13 2.93	2.08 2.83	2.03 2.74	1.97 2.63
28	4.20 7.64	3.34 5.45	2.95 4.57	2.71 4.07	2.56 3.76	2.44 3.53	2.36 3.36	2.29 3.23	2.24 3.11	2.19 3.03	2.15 2.95	2.12 2.90	2.06 2.80	2.02 2.71	1.96 2.60
29	4.18 7.60	3.33 5.42	2.93 4.54	2.70 4.04	2.54 3.73	2.43 3.50	2.35 3.33	2.28 3.20	2.22 3.08	2.18 3.00	2.14 2.92	2.10 2.87	2.05 2.77	2.00 2.68	1.94 2.57
30	4.17 7.56	3.32 5.39	2.92 4.51	2.69 4.02	2.53 3.70	2.42 3.47	2.34 3.30	2.27 3.17	2.21 3.06	2.16 2.98	2.12 2.90	2.09 2.84	2.04 2.74	1.99 2.66	1.93 2.55
32	4.15 7.50	3.30 5.34	2.90 4.46	2.67 3.97	2.51 3.66	2.40 3.42	2.32 3.25	2.25 3.12	2.19 3.01	2.14 2.94	2.10 2.86	2.07 2.80	2.02 2.70	1.97 2.62	1.91 2.51
34	4.13 7.44	3.28 5.29	2.88 4.42	2.65 3.93	2.49 3.61	2.38 3.38	2.30 3.21	2.23 3.08	2.17 2.97	2.12 2.89	2.08 2.82	2.05 2.76	2.00 2.66	1.95 2.58	1.89 2.47
36	4.11 7.39	3.26 5.25	2.86 4.38	2.63 3.89	2.48 3.58	2.36 3.35	2.28 3.18	2.21 3.04	2.15 2.94	2.10 2.86	2.06 2.78	2.03 2.72	1.98 2.62	1.93 2.54	1.87 2.43
38	4.10 7.35	3.25 5.21	2.85 4.34	2.62 3.86	2.46 3.54	2.35 3.32	2.26 3.15	2.19 3.02	2.14 2.91	2.09 2.82	2.05 2.75	2.02 2.69	1.96 2.59	1.92 2.51	1.85 2.40
40	4.08 7.31	3.23 5.18	2.84 4.31	2.61 3.83	2.45 3.51	2.34 3.29	2.25 3.12	2.18 2.99	2.12 2.88	2.07 2.80	2.04 2.73	2.00 2.66	1.95 2.56	1.90 2.49	1.84 2.37
42	4.07 7.27	3.22 5.15	2.83 4.29	2.59 3.80	2.44 3.49	2.32 3.26	2.24 3.10	2.17 2.96	2.11 2.86	2.06 2.77	2.02 2.70	1.99 2.64	1.94 2.54	1.89 2.46	1.82 2.35
44	4.06 7.24	3.21 5.12	2.82 4.26	2.58 3.78	2.43 3.46	2.31 3.24	2.23 3.07	2.16 2.94	2.10 2.84	2.05 2.75	2.01 2.68	1.98 2.62	1.92 2.52	1.88 2.44	1.81 2.32
46	4.05 7.21	3.20 5.10	2.81 4.24	2.57 3.76	2.42 3.44	2.30 3.22	2.22 3.05	2.14 2.92	2.09 2.82	2.04 2.73	2.00 2.66	1.97 2.60	1.91 2.50	1.87 2.42	1.80 2.30
48	4.04 7.19	3.19 5.08	2.80 4.22	2.56 3.74	2.41 3.42	2.30 3.20	2.21 3.04	2.14 2.90	2.08 2.80	2.03 2.71	1.99 2.64	1.96 2.58	1.90 2.48	1.86 2.40	1.79 2.28

TABLE B.4 continued

Degrees of Freedom: Denominator	Degrees of freedom: Numerator														
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.02	1.98	1.95	1.90	1.85	1.78
	7.17	5.06	4.20	3.72	3.41	3.18	3.02	2.88	2.78	2.70	2.62	2.56	2.46	2.39	2.26
55	4.02	3.17	2.78	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.97	1.93	1.88	1.83	1.76
	7.12	5.01	4.16	3.68	3.37	3.15	2.98	2.85	2.75	2.66	2.59	2.53	2.43	2.35	2.23
60	4.00	3.15	2.76	2.52	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.86	1.81	1.75
	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	2.63	2.56	2.50	2.40	2.32	2.20
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.02	1.98	1.94	1.90	1.85	1.80	1.73
	7.04	4.95	4.10	3.62	3.31	3.09	2.93	2.79	2.70	2.61	2.54	2.47	2.37	2.30	2.18
70	3.98	3.13	2.74	2.50	2.35	2.23	2.14	2.07	2.01	1.97	1.93	1.89	1.84	1.79	1.72
	7.01	4.92	4.08	3.60	3.29	3.07	2.91	2.77	2.67	2.59	2.51	2.45	2.35	2.28	2.15
80	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	1.99	1.95	1.91	1.88	1.82	1.77	1.70
	6.96	4.88	4.04	3.56	3.25	3.04	2.87	2.74	2.64	2.55	2.48	2.41	2.32	2.24	2.11
100	3.94	3.09	2.70	2.46	2.30	2.19	2.10	2.03	1.97	1.92	1.88	1.85	1.79	1.75	1.68
	6.90	4.82	3.98	3.51	3.20	2.99	2.82	2.69	2.59	2.51	2.43	2.36	2.26	2.19	2.06
125	3.92	3.07	2.68	2.44	2.29	2.17	2.08	2.01	1.95	1.90	1.86	1.83	1.77	1.72	1.65
	6.84	4.78	3.94	3.47	3.17	2.95	2.79	2.65	2.56	2.47	2.40	2.33	2.23	2.15	2.03
150	3.91	3.06	2.67	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.76	1.71	1.64
	6.81	4.75	3.91	3.44	3.14	2.92	2.76	2.62	2.53	2.44	2.37	2.30	2.20	2.12	2.00
200	3.89	3.04	2.65	2.41	2.26	2.14	2.05	1.98	1.92	1.87	1.83	1.80	1.74	1.69	1.62
	6.76	4.71	3.88	3.41	3.11	2.90	2.73	2.60	2.50	2.41	2.34	2.28	2.17	2.09	1.97
400	3.86	3.02	2.62	2.39	2.23	2.12	2.03	1.96	1.90	1.85	1.81	1.78	1.72	1.67	1.60
	6.70	4.66	3.83	3.36	3.06	2.85	2.69	2.55	2.46	2.37	2.29	2.23	2.12	2.04	1.92
1000	3.85	3.00	2.61	2.38	2.22	2.10	2.02	1.95	1.89	1.84	1.80	1.76	1.70	1.65	1.58
	6.66	4.62	3.80	3.34	3.04	2.82	2.66	2.53	2.43	2.34	2.26	2.20	2.09	2.01	1.89
∞	3.84	2.99	2.60	2.37	2.21	2.09	2.01	1.94	1.88	1.83	1.79	1.75	1.69	1.64	1.57
	6.64	4.60	3.78	3.32	3.02	2.80	2.64	2.51	2.41	2.32	2.24	2.18	2.07	1.99	1.87

STATISTICAL TABLES

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