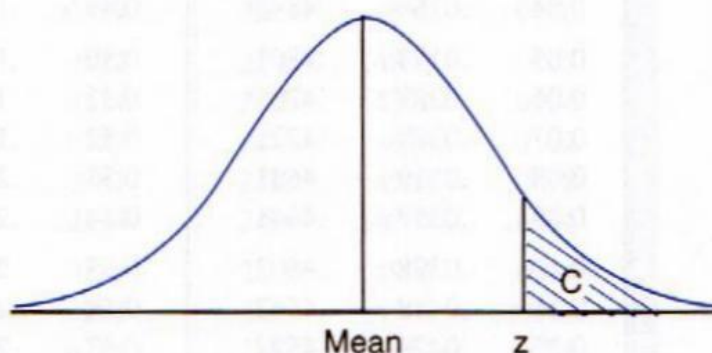
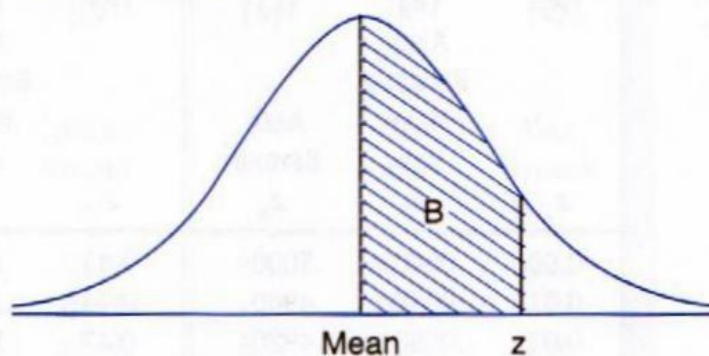


Table A.2 The Normal Distribution

Column A gives the positive z score.

Column B gives the area between the mean and z . Because the curve is symmetrical, areas for negative z scores are the same as for positive ones.

Column C gives the area that is beyond z .



How to Use Table A.2: The values in this table represent the proportion of areas in the standard normal curve, which has a mean of 0, a standard deviation of 1.00, and a total area equal to 1.00. The raw scores must first be transformed into a z score. Column A represents this z score, Column B represents the distance between the mean of the standard normal distribution (0) and the z score, and Column C represents the proportion of the area beyond a given z .

(continued)

Table A.2 The Normal Distribution (continued)

(A)	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z	(A)	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z	(A)	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z
0.00	.0000	.5000	0.45	.1736	.3264	0.90	.3159	.1841
0.01	.0040	.4960	0.46	.1772	.3228	0.91	.3186	.1814
0.02	.0080	.4920	0.47	.1808	.3192	0.92	.3212	.1788
0.03	.0120	.4880	0.48	.1844	.3156	0.93	.3238	.1762
0.04	.0160	.4840	0.49	.1879	.3121	0.94	.3264	.1736
0.05	.0199	.4801	0.50	.1915	.3085	0.95	.3289	.1711
0.06	.0239	.4761	0.51	.1950	.3050	0.96	.3315	.1685
0.07	.0279	.4721	0.52	.1985	.3015	0.97	.3340	.1660
0.08	.0319	.4681	0.53	.2019	.2981	0.98	.3365	.1635
0.09	.0359	.4641	0.54	.2054	.2946	0.99	.3389	.1611
0.10	.0398	.4602	0.55	.2088	.2912	1.00	.3413	.1587
0.11	.0438	.4562	0.56	.2123	.2877	1.01	.3438	.1562
0.12	.0478	.4522	0.57	.2157	.2843	1.02	.3461	.1539
0.13	.0517	.4483	0.58	.2190	.2810	1.03	.3485	.1515
0.14	.0557	.4443	0.59	.2224	.2776	1.04	.3508	.1492
0.15	.0596	.4404	0.60	.2257	.2743	1.05	.3531	.1469
0.16	.0636	.4364	0.61	.2291	.2709	1.06	.3554	.1446
0.17	.0675	.4325	0.62	.2324	.2676	1.07	.3577	.1423
0.18	.0714	.4286	0.63	.2357	.2643	1.08	.3599	.1401
0.19	.0753	.4247	0.64	.2389	.2611	1.09	.3621	.1379
0.20	.0793	.4207	0.65	.2422	.2578	1.10	.3643	.1357
0.21	.0832	.4168	0.66	.2454	.2546	1.11	.3665	.1335
0.22	.0871	.4129	0.67	.2486	.2514	1.12	.3686	.1314
0.23	.0910	.4090	0.68	.2517	.2483	1.13	.3708	.1292
0.24	.0948	.4052	0.69	.2549	.2451	1.14	.3729	.1271
0.25	.0987	.4013	0.70	.2580	.2420	1.15	.3749	.1251
0.26	.1026	.3974	0.71	.2611	.2389	1.16	.3770	.1230
0.27	.1064	.3936	0.72	.2642	.2358	1.17	.3790	.1210
0.28	.1103	.3897	0.73	.2673	.2327	1.18	.3810	.1190
0.29	.1141	.3859	0.74	.2704	.2296	1.19	.3830	.1170
0.30	.1179	.3821	0.75	.2734	.2266	1.20	.3849	.1151
0.31	.1217	.3783	0.76	.2764	.2236	1.21	.3869	.1131
0.32	.1255	.3745	0.77	.2794	.2206	1.22	.3888	.1112
0.33	.1293	.3707	0.78	.2823	.2177	1.23	.3907	.1093
0.34	.1331	.3669	0.79	.2852	.2148	1.24	.3925	.1075
0.35	.1368	.3632	0.80	.2881	.2119	1.25	.3944	.1056
0.36	.1406	.3594	0.81	.2910	.2090	1.26	.3962	.1038
0.37	.1443	.3557	0.82	.2939	.2061	1.27	.3980	.1020
0.38	.1480	.3520	0.83	.2967	.2033	1.28	.3997	.1003
0.39	.1517	.3483	0.84	.2995	.2005	1.29	.4015	.0985
0.40	.1554	.3446	0.85	.3023	.1977	1.30	.4032	.0968
0.41	.1591	.3409	0.86	.3051	.1949	1.31	.4049	.0951
0.42	.1628	.3372	0.87	.3078	.1922	1.32	.4066	.0934
0.43	.1664	.3336	0.88	.3106	.1894	1.33	.4082	.0918
0.44	.1700	.3300	0.89	.3133	.1867	1.34	.4099	.0901

(continued)

Table A.2 The Normal Distribution (*continued*)

(A)	(B)	(C)	(A)	(B)	(C)	(A)	(B)	(C)
	AREA			AREA			AREA	
	BETWEEN	AREA		BETWEEN	AREA		BETWEEN	AREA
	MEAN	BEYOND		MEAN	BEYOND		MEAN	BEYOND
	AND	BEYOND		AND	BEYOND		AND	BEYOND
z	z	z	z	z	z	z	z	z
1.35	.4115	.0885	1.80	.4641	.0359	2.25	.4878	.0122
1.36	.4131	.0869	1.81	.4649	.0351	2.26	.4881	.0119
1.37	.4147	.0853	1.82	.4656	.0344	2.27	.4884	.0116
1.38	.4162	.0838	1.83	.4664	.0336	2.28	.4887	.0113
1.39	.4177	.0823	1.84	.4671	.0329	2.29	.4890	.0110
1.40	.4192	.0808	1.85	.4678	.0322	2.30	.4893	.0107
1.41	.4207	.0793	1.86	.4686	.0314	2.31	.4896	.0104
1.42	.4222	.0778	1.87	.4693	.0307	2.32	.4898	.0102
1.43	.4236	.0764	1.88	.4699	.0301	2.33	.4901	.0099
1.44	.4251	.0749	1.89	.4706	.0294	2.34	.4904	.0096
1.45	.4265	.0735	1.90	.4713	.0287	2.35	.4906	.0094
1.46	.4279	.0721	1.91	.4719	.0281	2.36	.4909	.0091
1.47	.4292	.0708	1.92	.4726	.0274	2.37	.4911	.0089
1.48	.4306	.0694	1.93	.4732	.0268	2.38	.4913	.0087
1.49	.4319	.0681	1.94	.4738	.0262	2.39	.4916	.0084
1.50	.4332	.0668	1.95	.4744	.0256	2.40	.4918	.0082
1.51	.4345	.0655	1.96	.4750	.0250	2.41	.4920	.0080
1.52	.4357	.0643	1.97	.4756	.0244	2.42	.4922	.0078
1.53	.4370	.0630	1.98	.4761	.0239	2.43	.4925	.0075
1.54	.4382	.0618	1.99	.4767	.0233	2.44	.4927	.0073
1.55	.4394	.0606	2.00	.4772	.0228	2.45	.4929	.0071
1.56	.4406	.0594	2.01	.4778	.0222	2.46	.4931	.0069
1.57	.4418	.0582	2.02	.4783	.0217	2.47	.4932	.0068
1.58	.4429	.0571	2.03	.4788	.0212	2.48	.4934	.0066
1.59	.4441	.0559	2.04	.4793	.0207	2.49	.4936	.0064
1.60	.4452	.0548	2.05	.4798	.0202	2.50	.4938	.0062
1.61	.4463	.0537	2.06	.4803	.0197	2.51	.4940	.0060
1.62	.4474	.0526	2.07	.4808	.0192	2.52	.4941	.0059
1.63	.4484	.0516	2.08	.4812	.0188	2.53	.4943	.0057
1.64	.4495	.0505	2.09	.4817	.0183	2.54	.4945	.0055
1.65	.4505	.0495	2.10	.4821	.0179	2.55	.4946	.0054
1.66	.4515	.0485	2.11	.4826	.0174	2.56	.4948	.0052
1.67	.4525	.0475	2.12	.4830	.0170	2.47	.4949	.0051
1.68	.4535	.0465	2.13	.4834	.0166	2.58	.4951	.0049
1.69	.4545	.0455	2.14	.4838	.0162	2.59	.4952	.0048
1.70	.4554	.0446	2.15	.4842	.0158	2.60	.4953	.0047
1.71	.4564	.0436	2.16	.4846	.0154	2.61	.4955	.0045
1.72	.4573	.0427	2.17	.4850	.0150	2.62	.4956	.0044
1.73	.4582	.0418	2.18	.4854	.0146	2.63	.4957	.0043
1.74	.4591	.0409	2.19	.4857	.0143	2.64	.4959	.0041
1.75	.4599	.0401	2.20	.4861	.0139	2.65	.4960	.0040
1.76	.4608	.0392	2.21	.4864	.0136	2.66	.4961	.0039
1.77	.4616	.0384	2.22	.4868	.0132	2.67	.4962	.0038
1.78	.4625	.0375	2.23	.4871	.0129	2.68	.4963	.0037
1.79	.4633	.0367	2.24	.4875	.0125	2.69	.4964	.0036

(continued)

Table A.2 The Normal Distribution (continued)

(A) z	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z	(A) z	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z	(A) z	(B) AREA BETWEEN MEAN AND z	(C) AREA BEYOND z
2.70	.4965	.0035	2.95	.4984	.0016	3.20	.4993	.0007
2.71	.4966	.0034	2.96	.4985	.0015	3.21	.4993	.0007
2.72	.4967	.0033	2.97	.4985	.0015	3.22	.4994	.0006
2.73	.4968	.0032	2.98	.4986	.0014	3.23	.4994	.0006
2.74	.4969	.0031	2.99	.4986	.0014	3.24	.4994	.0006
2.75	.4970	.0030	3.00	.4987	.0013	3.25	.4994	.0006
2.76	.4971	.0029	3.01	.4987	.0013	3.30	.4995	.0005
2.77	.4972	.0028	3.02	.4987	.0013	3.35	.4996	.0004
2.78	.4973	.0027	3.03	.4988	.0012	3.40	.4997	.0003
2.79	.4974	.0026	3.04	.4988	.0012	3.45	.4997	.0003
2.80	.4974	.0026	3.05	.4989	.0011	3.50	.4998	.0002
2.81	.4975	.0025	3.06	.4989	.0011	3.60	.4998	.0002
2.82	.4976	.0024	3.07	.4989	.0011	3.70	.4999	.0001
2.83	.4977	.0023	3.08	.4990	.0010	3.80	.4999	.0001
2.84	.4977	.0023	3.09	.4990	.0010	3.90	.49995	.00005
2.85	.4978	.0022	3.10	.4990	.0010	4.00	.49997	.00003
2.86	.4979	.0021	3.11	.4991	.0009			
2.87	.4979	.0021	3.12	.4991	.0009			
2.88	.4980	.0020	3.13	.4991	.0009			
2.89	.4981	.0019	3.14	.4992	.0008			
2.90	.4981	.0019	3.15	.4992	.0008			
2.91	.4982	.0018	3.16	.4992	.0008			
2.92	.4982	.0018	3.17	.4992	.0008			
2.93	.4983	.0017	3.18	.4993	.0007			
2.94	.4984	.0016	3.19	.4993	.0007			