



Table A.1: Cumulative proportions (p) for the standard normal distribution.

z	p	z	p	z	p	z	p	z	p	z	p
-4.00	0.0000	-1.43	0.0764	-0.71	0.2389	0.01	0.5040	0.73	0.7673	1.45	0.9265
-3.80	0.0001	-1.42	0.0778	-0.70	0.2420	0.02	0.5080	0.74	0.7704	1.46	0.9279
-3.60	0.0002	-1.41	0.0793	-0.69	0.2451	0.03	0.5120	0.75	0.7734	1.47	0.9292
-3.40	0.0003	-1.40	0.0808	-0.68	0.2483	0.04	0.5160	0.76	0.7764	1.48	0.9306
-3.20	0.0007	-1.39	0.0823	-0.67	0.2514	0.05	0.5199	0.77	0.7794	1.49	0.9319
-3.00	0.0013	-1.38	0.0838	-0.66	0.2546	0.06	0.5239	0.78	0.7823	1.50	0.9332
-2.90	0.0019	-1.37	0.0853	-0.65	0.2578	0.07	0.5279	0.79	0.7852	1.51	0.9345
-2.80	0.0026	-1.36	0.0869	-0.64	0.2611	0.08	0.5319	0.80	0.7881	1.52	0.9357
-2.70	0.0035	-1.35	0.0885	-0.63	0.2643	0.09	0.5359	0.81	0.7910	1.53	0.9370
-2.60	0.0047	-1.34	0.0901	-0.62	0.2676	0.10	0.5398	0.82	0.7939	1.54	0.9382
-2.50	0.0062	-1.33	0.0918	-0.61	0.2709	0.11	0.5438	0.83	0.7967	1.55	0.9394
-2.40	0.0082	-1.32	0.0934	-0.60	0.2743	0.12	0.5478	0.84	0.7995	1.56	0.9406
-2.30	0.0107	-1.31	0.0951	-0.59	0.2776	0.13	0.5517	0.85	0.8023	1.57	0.9418
-2.20	0.0139	-1.30	0.0968	-0.58	0.2810	0.14	0.5557	0.86	0.8051	1.58	0.9429
-2.10	0.0179	-1.29	0.0985	-0.57	0.2843	0.15	0.5596	0.87	0.8078	1.59	0.9441
-2.00	0.0228	-1.28	0.1003	-0.56	0.2877	0.16	0.5636	0.88	0.8106	1.60	0.9452
-1.99	0.0233	-1.27	0.1020	-0.55	0.2912	0.17	0.5675	0.89	0.8133	1.61	0.9463
-1.98	0.0239	-1.26	0.1038	-0.54	0.2946	0.18	0.5714	0.90	0.8159	1.62	0.9474
-1.97	0.0244	-1.25	0.1056	-0.53	0.2981	0.19	0.5753	0.91	0.8186	1.63	0.9484
-1.96	0.0250	-1.24	0.1075	-0.52	0.3015	0.20	0.5793	0.92	0.8212	1.64	0.9495
-1.95	0.0256	-1.23	0.1093	-0.51	0.3050	0.21	0.5832	0.93	0.8238	1.65	0.9505
-1.94	0.0262	-1.22	0.1112	-0.50	0.3085	0.22	0.5871	0.94	0.8264	1.66	0.9515
-1.93	0.0268	-1.21	0.1131	-0.49	0.3121	0.23	0.5910	0.95	0.8289	1.67	0.9525
-1.92	0.0274	-1.20	0.1151	-0.48	0.3156	0.24	0.5948	0.96	0.8315	1.68	0.9535
-1.91	0.0281	-1.19	0.1170	-0.47	0.3192	0.25	0.5987	0.97	0.8340	1.69	0.9545
-1.90	0.0287	-1.18	0.1190	-0.46	0.3228	0.26	0.6026	0.98	0.8365	1.70	0.9554
-1.89	0.0294	-1.17	0.1210	-0.45	0.3264	0.27	0.6064	0.99	0.8389	1.71	0.9564
-1.88	0.0301	-1.16	0.1230	-0.44	0.3300	0.28	0.6103	1.00	0.8413	1.72	0.9573
-1.87	0.0307	-1.15	0.1251	-0.43	0.3336	0.29	0.6141	1.01	0.8438	1.73	0.9582
-1.86	0.0314	-1.14	0.1271	-0.42	0.3372	0.30	0.6179	1.02	0.8461	1.74	0.9591
-1.85	0.0322	-1.13	0.1292	-0.41	0.3409	0.31	0.6217	1.03	0.8485	1.75	0.9599
-1.84	0.0329	-1.12	0.1314	-0.40	0.3446	0.32	0.6255	1.04	0.8508	1.76	0.9608

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Table A.1: Cumulative proportions (p) for the standard normal distribution.

z	p	z	p	z	p	z	p	z	p	z	p
-1.83	0.0336	-1.11	0.1335	-0.39	0.3483	0.33	0.6293	1.05	0.8531	1.77	0.9616
-1.82	0.0344	-1.10	0.1357	-0.38	0.3520	0.34	0.6331	1.06	0.8554	1.78	0.9625
-1.81	0.0351	-1.09	0.1379	-0.37	0.3557	0.35	0.6368	1.07	0.8577	1.79	0.9633
-1.80	0.0359	-1.08	0.1401	-0.36	0.3594	0.36	0.6406	1.08	0.8599	1.80	0.9641
-1.79	0.0367	-1.07	0.1423	-0.35	0.3632	0.37	0.6443	1.09	0.8621	1.81	0.9649
-1.78	0.0375	-1.06	0.1446	-0.34	0.3669	0.38	0.6480	1.10	0.8643	1.82	0.9656
-1.77	0.0384	-1.05	0.1469	-0.33	0.3707	0.39	0.6517	1.11	0.8665	1.83	0.9664
-1.76	0.0392	-1.04	0.1492	-0.32	0.3745	0.40	0.6554	1.12	0.8686	1.84	0.9671
-1.75	0.0401	-1.03	0.1515	-0.31	0.3783	0.41	0.6591	1.13	0.8708	1.85	0.9678
-1.74	0.0409	-1.02	0.1539	-0.30	0.3821	0.42	0.6628	1.14	0.8729	1.86	0.9686
-1.73	0.0418	-1.01	0.1562	-0.29	0.3859	0.43	0.6664	1.15	0.8749	1.87	0.9693
-1.72	0.0427	-1.00	0.1587	-0.28	0.3897	0.44	0.6700	1.16	0.8770	1.88	0.9699
-1.71	0.0436	-0.99	0.1611	-0.27	0.3936	0.45	0.6736	1.17	0.8790	1.89	0.9706
-1.70	0.0446	-0.98	0.1635	-0.26	0.3974	0.46	0.6772	1.18	0.8810	1.90	0.9713
-1.69	0.0455	-0.97	0.1660	-0.25	0.4013	0.47	0.6808	1.19	0.8830	1.91	0.9719
-1.68	0.0465	-0.96	0.1685	-0.24	0.4052	0.48	0.6844	1.20	0.8849	1.92	0.9726
-1.67	0.0475	-0.95	0.1711	-0.23	0.4090	0.49	0.6879	1.21	0.8869	1.93	0.9732
-1.66	0.0485	-0.94	0.1736	-0.22	0.4129	0.50	0.6915	1.22	0.8888	1.94	0.9738
-1.65	0.0495	-0.93	0.1762	-0.21	0.4168	0.51	0.6950	1.23	0.8907	1.95	0.9744
-1.64	0.0505	-0.92	0.1788	-0.20	0.4207	0.52	0.6985	1.24	0.8925	1.96	0.9750
-1.63	0.0516	-0.91	0.1814	-0.19	0.4247	0.53	0.7019	1.25	0.8944	1.97	0.9756
-1.62	0.0526	-0.90	0.1841	-0.18	0.4286	0.54	0.7054	1.26	0.8962	1.98	0.9761
-1.61	0.0537	-0.89	0.1867	-0.17	0.4325	0.55	0.7088	1.27	0.8980	1.99	0.9767
-1.60	0.0548	-0.88	0.1894	-0.16	0.4364	0.56	0.7123	1.28	0.8997	2.00	0.9772
-1.59	0.0559	-0.87	0.1922	-0.15	0.4404	0.57	0.7157	1.29	0.9015	2.10	0.9821
-1.58	0.0571	-0.86	0.1949	-0.14	0.4443	0.58	0.7190	1.30	0.9032	2.20	0.9861
-1.57	0.0582	-0.85	0.1977	-0.13	0.4483	0.59	0.7224	1.31	0.9049	2.30	0.9893
-1.56	0.0594	-0.84	0.2005	-0.12	0.4522	0.60	0.7257	1.32	0.9066	2.40	0.9918
-1.55	0.0606	-0.83	0.2033	-0.11	0.4562	0.61	0.7291	1.33	0.9082	2.50	0.9938
-1.54	0.0618	-0.82	0.2061	-0.10	0.4602	0.62	0.7324	1.34	0.9099	2.60	0.9953
-1.53	0.0630	-0.81	0.2090	-0.09	0.4641	0.63	0.7357	1.35	0.9115	2.70	0.9965
-1.52	0.0643	-0.80	0.2119	-0.08	0.4681	0.64	0.7389	1.36	0.9131	2.80	0.9974
-1.51	0.0655	-0.79	0.2148	-0.07	0.4721	0.65	0.7422	1.37	0.9147	2.90	0.9981
-1.50	0.0668	-0.78	0.2177	-0.06	0.4761	0.66	0.7454	1.38	0.9162	3.00	0.9987
-1.49	0.0681	-0.77	0.2206	-0.05	0.4801	0.67	0.7486	1.39	0.9177	3.20	0.9993
-1.48	0.0694	-0.76	0.2236	-0.04	0.4840	0.68	0.7517	1.40	0.9192	3.40	0.9997
-1.47	0.0708	-0.75	0.2266	-0.03	0.4880	0.69	0.7549	1.41	0.9207	3.60	0.9998
-1.46	0.0721	-0.74	0.2296	-0.02	0.4920	0.70	0.7580	1.42	0.9222	3.80	0.9999
-1.45	0.0735	-0.73	0.2327	-0.01	0.4960	0.71	0.7611	1.43	0.9236	4.00	1.0000
-1.44	0.0749	-0.72	0.2358	0.00	0.5000	0.72	0.7642	1.44	0.9251	4.01	1.0000