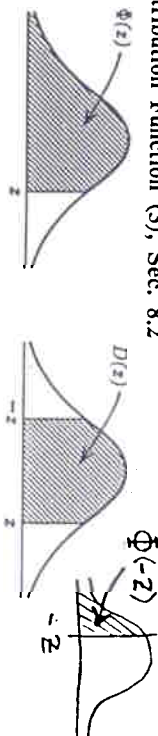


3 Normal Distribution

Table 3a. Distribution Function (3), Sec. 8.2



$D(z) = \Phi(z) - \Phi(-z)$ $\Phi(0) = 0.5$
 $\Phi(-z) = 1 - \Phi(z)$
 More extended tables: National Bureau of Standards (1955), Hald (1962). Index for further tables: Greenwood and Hartley (1961) (cf. Appendix 3).

z	$\Phi(-z)$	$\Phi(z)$	$D(z)$	z	$\Phi(-z)$	$\Phi(z)$	$D(z)$
0.01	0.4960	0.5040	0.0080	0.51	0.3050	0.6950	0.3899
0.02	0.4920	0.5080	0.0160	0.52	0.3015	0.6985	0.3969
0.03	0.4880	0.5120	0.0239	0.53	0.2981	0.7019	0.4039
0.04	0.4840	0.5160	0.0319	0.54	0.2946	0.7054	0.4108
0.05	0.4801	0.5199	0.0399	0.55	0.2912	0.7088	0.4177
0.06	0.4761	0.5239	0.0478	0.56	0.2877	0.7123	0.4245
0.07	0.4721	0.5279	0.0558	0.57	0.2843	0.7157	0.4313
0.08	0.4681	0.5319	0.0638	0.58	0.2810	0.7190	0.4381
0.09	0.4641	0.5359	0.0717	0.59	0.2776	0.7224	0.4448
0.10	0.4602	0.5398	0.0797	0.60	0.2743	0.7257	0.4515
0.11	0.4562	0.5438	0.0876	0.61	0.2709	0.7291	0.4581
0.12	0.4522	0.5478	0.0955	0.62	0.2676	0.7324	0.4647
0.13	0.4483	0.5517	0.1034	0.63	0.2643	0.7357	0.4713
0.14	0.4443	0.5557	0.1113	0.64	0.2611	0.7389	0.4778
0.15	0.4404	0.5596	0.1192	0.65	0.2578	0.7422	0.4843
0.16	0.4364	0.5636	0.1271	0.66	0.2546	0.7454	0.4907
0.17	0.4325	0.5675	0.1350	0.67	0.2514	0.7486	0.4971
0.18	0.4286	0.5714	0.1428	0.68	0.2483	0.7517	0.5035
0.19	0.4247	0.5753	0.1507	0.69	0.2451	0.7549	0.5098
0.20	0.4207	0.5793	0.1585	0.70	0.2420	0.7580	0.5161
0.21	0.4168	0.5832	0.1663	0.71	0.2389	0.7611	0.5223
0.22	0.4129	0.5871	0.1741	0.72	0.2358	0.7642	0.5285
0.23	0.4090	0.5910	0.1819	0.73	0.2327	0.7673	0.5346
0.24	0.4052	0.5948	0.1897	0.74	0.2296	0.7704	0.5407
0.25	0.4013	0.5987	0.1974	0.75	0.2266	0.7734	0.5467
0.26	0.3974	0.6026	0.2051	0.76	0.2236	0.7764	0.5527
0.27	0.3936	0.6064	0.2128	0.77	0.2206	0.7794	0.5587
0.28	0.3897	0.6103	0.2205	0.78	0.2177	0.7823	0.5646
0.29	0.3859	0.6141	0.2282	0.79	0.2148	0.7852	0.5705
0.30	0.3821	0.6179	0.2358	0.80	0.2119	0.7881	0.5763
0.31	0.3783	0.6217	0.2434	0.81	0.2090	0.7910	0.5821
0.32	0.3745	0.6255	0.2510	0.82	0.2061	0.7939	0.5878
0.33	0.3707	0.6293	0.2586	0.83	0.2033	0.7967	0.5935
0.34	0.3669	0.6331	0.2661	0.84	0.2005	0.7995	0.5991
0.35	0.3632	0.6368	0.2737	0.85	0.1977	0.8023	0.6047
0.36	0.3594	0.6406	0.2812	0.86	0.1949	0.8051	0.6102
0.37	0.3557	0.6443	0.2886	0.87	0.1922	0.8078	0.6157
0.38	0.3520	0.6480	0.2961	0.88	0.1894	0.8106	0.6211
0.39	0.3483	0.6517	0.3035	0.89	0.1867	0.8133	0.6265
0.40	0.3446	0.6554	0.3108	0.90	0.1841	0.8159	0.6319
0.41	0.3409	0.6591	0.3182	0.91	0.1814	0.8186	0.6372
0.42	0.3372	0.6628	0.3255	0.92	0.1788	0.8212	0.6424
0.43	0.3336	0.6664	0.3328	0.93	0.1762	0.8238	0.6476
0.44	0.3300	0.6700	0.3401	0.94	0.1736	0.8264	0.6528
0.45	0.3264	0.6736	0.3473	0.95	0.1711	0.8289	0.6579
0.46	0.3228	0.6772	0.3545	0.96	0.1685	0.8315	0.6629
0.47	0.3192	0.6808	0.3616	0.97	0.1660	0.8340	0.6680
0.48	0.3156	0.6844	0.3688	0.98	0.1635	0.8365	0.6729
0.49	0.3121	0.6879	0.3759	0.99	0.1611	0.8389	0.6778
0.50	0.3085	0.6915	0.3829	1.00	0.1587	0.8413	0.6827

from *Continuity Mathematical Statistics: Principles and Methods*
 by Edwin Kneyrig, John Wiley & Sons 1970

Table 3a. Distribution Function (3), Sec. 8.2 (Continued)



z	$\Phi(-z)$	$\Phi(z)$	$D(z)$	z	$\Phi(-z)$	$\Phi(z)$	$D(z)$
1.51	0.0655	0.9345	0.8690	2.01	0.0222	0.9778	0.9556
1.52	0.0643	0.9357	0.8715	2.02	0.0217	0.9783	0.9566
1.53	0.0630	0.9370	0.8740	2.03	0.0212	0.9788	0.9576
1.54	0.0618	0.9382	0.8764	2.04	0.0207	0.9793	0.9586
1.55	0.0606	0.9394	0.8789	2.05	0.0202	0.9798	0.9596
1.56	0.0594	0.9406	0.8812	2.06	0.0197	0.9803	0.9606
1.57	0.0582	0.9418	0.8836	2.07	0.0192	0.9808	0.9615
1.58	0.0571	0.9429	0.8859	2.08	0.0188	0.9812	0.9625
1.59	0.0559	0.9441	0.8882	2.09	0.0183	0.9817	0.9634
1.60	0.0548	0.9452	0.8904	2.10	0.0179	0.9821	0.9643
1.61	0.0537	0.9463	0.8926	2.11	0.0174	0.9826	0.9651
1.62	0.0526	0.9474	0.8948	2.12	0.0170	0.9830	0.9660
1.63	0.0516	0.9484	0.8969	2.13	0.0166	0.9834	0.9668
1.64	0.0505	0.9495	0.8990	2.14	0.0162	0.9838	0.9676
1.65	0.0495	0.9505	0.9011	2.15	0.0158	0.9842	0.9684
1.66	0.0485	0.9515	0.9031	2.16	0.0154	0.9846	0.9692
1.67	0.0475	0.9525	0.9051	2.17	0.0150	0.9850	0.9700
1.68	0.0465	0.9535	0.9070	2.18	0.0146	0.9854	0.9707
1.69	0.0455	0.9545	0.9090	2.19	0.0143	0.9857	0.9715
1.70	0.0446	0.9554	0.9109	2.20	0.0139	0.9861	0.9722
1.71	0.0436	0.9564	0.9127	2.21	0.0136	0.9864	0.9729
1.72	0.0427	0.9573	0.9146	2.22	0.0132	0.9868	0.9736
1.73	0.0418	0.9582	0.9164	2.23	0.0129	0.9871	0.9743
1.74	0.0409	0.9591	0.9181	2.24	0.0125	0.9875	0.9749
1.75	0.0401	0.9599	0.9199	2.25	0.0122	0.9878	0.9756
1.76	0.0392	0.9608	0.9216	2.26	0.0119	0.9881	0.9762
1.77	0.0384	0.9616	0.9233	2.27	0.0116	0.9884	0.9768
1.78	0.0375	0.9625	0.9249	2.28	0.0113	0.9887	0.9774
1.79	0.0367	0.9633	0.9265	2.29	0.0110	0.9890	0.9780
1.80	0.0359	0.9641	0.9281	2.30	0.0107	0.9893	0.9786
1.81	0.0351	0.9649	0.9297	2.31	0.0104	0.9896	0.9791
1.82	0.0344	0.9656	0.9312	2.32	0.0102	0.9898	0.9797
1.83	0.0336	0.9664	0.9328	2.33	0.0099	0.9901	0.9802
1.84	0.0329	0.9671	0.9342	2.34	0.0096	0.9904	0.9807
1.85	0.0322	0.9678	0.9357	2.35	0.0094	0.9906	0.9812
1.86	0.0314	0.9686	0.9371	2.36	0.0091	0.9909	0.9817
1.87	0.0307	0.9693	0.9385	2.37	0.0089	0.9911	0.9822
1.88	0.0301	0.9699	0.9399	2.38	0.0087	0.9913	0.9827
1.89	0.0294	0.9706	0.9412	2.39	0.0084	0.9916	0.9832
1.90	0.0287	0.9713	0.9426	2.40	0.0082	0.9918	0.9836
1.91	0.0281	0.9719	0.9439	2.41	0.0080	0.9920	0.9840
1.92	0.0274	0.9726	0.9451	2.42	0.0078	0.9922	0.9845
1.93	0.0268	0.9732	0.9464	2.43	0.0075	0.9925	0.9849
1.94	0.0262	0.9738	0.9476	2.44	0.0073	0.9927	0.9853
1.95	0.0256	0.9744	0.9488	2.45	0.0071	0.9929	0.9857
1.96	0.0250	0.9750	0.9500	2.46	0.0069	0.9931	0.9861
1.97	0.0244	0.9756	0.9512	2.47	0.0068	0.9932	0.9865
1.98	0.0239	0.9761	0.9523	2.48	0.0066	0.9934	0.9869
1.99	0.0233	0.9767	0.9534	2.49	0.0064	0.9936	0.9872
2.00	0.0228	0.9772	0.9545	2.50	0.0062	0.9938	0.9876