

Table A8 Normal Distribution

Values of z for given values of $\Phi(z)$ [see (3), Sec. 24.8] and $D(z) = \Phi(z) - \Phi(-z)$
 Example: $z = 0.279$ if $\Phi(z) = 61\%$; $z = 0.860$ if $D(z) = 61\%$.

%	$z(\Phi)$	$z(D)$	%	$z(\Phi)$	$z(D)$	%	$z(\Phi)$	$z(D)$
1	-2.326	0.013	41	-0.228	0.539	81	0.878	1.311
2	-2.054	0.025	42	-0.202	0.553	82	0.915	1.341
3	-1.881	0.038	43	-0.176	0.568	83	0.954	1.372
4	-1.751	0.050	44	-0.151	0.583	84	0.994	1.405
5	-1.645	0.063	45	-0.126	0.598	85	1.036	1.440
6	-1.555	0.075	46	-0.100	0.613	86	1.080	1.476
7	-1.476	0.088	47	-0.075	0.628	87	1.126	1.514
8	-1.405	0.100	48	-0.050	0.643	88	1.175	1.555
9	-1.341	0.113	49	-0.025	0.659	89	1.227	1.598
10	-1.282	0.126	50	0.000	0.674	90	1.282	1.645
11	-1.227	0.138	51	0.025	0.690	91	1.341	1.695
12	-1.175	0.151	52	0.050	0.706	92	1.405	1.751
13	-1.126	0.164	53	0.075	0.722	93	1.476	1.812
14	-1.080	0.176	54	0.100	0.739	94	1.555	1.881
15	-1.036	0.189	55	0.126	0.755	95	1.645	1.960
16	-0.994	0.202	56	0.151	0.772	96	1.751	2.054
17	-0.954	0.215	57	0.176	0.789	97	1.881	2.170
18	-0.915	0.228	58	0.202	0.806	97.5	1.960	2.241
19	-0.878	0.240	59	0.228	0.824	98	2.054	2.326
20	-0.842	0.253	60	0.253	0.842	99	2.326	2.576
21	-0.806	0.266	61	0.279	0.860	99.1	2.366	2.612
22	-0.772	0.279	62	0.305	0.878	99.2	2.409	2.652
23	-0.739	0.292	63	0.332	0.896	99.3	2.457	2.697
24	-0.706	0.305	64	0.358	0.915	99.4	2.512	2.748
25	-0.674	0.319	65	0.385	0.935	99.5	2.576	2.807
26	-0.643	0.332	66	0.412	0.954	99.6	2.652	2.878
27	-0.613	0.345	67	0.440	0.974	99.7	2.748	2.968
28	-0.583	0.358	68	0.468	0.994	99.8	2.878	3.090
29	-0.553	0.372	69	0.496	1.015	99.9	3.090	3.291
30	-0.524	0.385	70	0.524	1.036			
31	-0.496	0.399	71	0.553	1.058	99.91	3.121	3.320
32	-0.468	0.412	72	0.583	1.080	99.92	3.156	3.353
33	-0.440	0.426	73	0.613	1.103	99.93	3.195	3.390
34	-0.412	0.440	74	0.643	1.126	99.94	3.239	3.432
35	-0.385	0.454	75	0.674	1.150	99.95	3.291	3.481
36	-0.358	0.468	76	0.706	1.175	99.96	3.353	3.540
37	-0.332	0.482	77	0.739	1.200	99.97	3.432	3.615
38	-0.305	0.496	78	0.772	1.227	99.98	3.540	3.719
39	-0.279	0.510	79	0.806	1.254	99.99	3.719	3.891
40	-0.253	0.524	80	0.842	1.282			