

Normal Distribution Probabilities

<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>	<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>
.00	.0000	.5000	.50	.1915	.3085
.01	.0040	.4960	.51	.1950	.3050
.02	.0080	.4920	.52	.1985	.3015
.03	.0120	.4880	.53	.2019	.2981
.04	.0160	.4840	.54	.2054	.2946
.05	.0199	.4801	.55	.2088	.2912
.06	.0239	.4761	.56	.2123	.2877
.07	.0279	.4721	.57	.2157	.2843
.08	.0319	.4681	.58	.2190	.2810
.09	.0359	.4641	.59	.2224	.2776
.10	.0398	.4602	.60	.2257	.2743
.11	.0438	.4562	.61	.2291	.2709
.12	.0478	.4522	.62	.2324	.2676
.13	.0517	.4483	.63	.2357	.2643
.14	.0557	.4443	.64	.2389	.2611
.15	.0596	.4404	.65	.2422	.2578
.16	.0636	.4364	.66	.2454	.2546
.17	.0675	.4325	.67	.2486	.2514
.18	.0714	.4286	.68	.2517	.2483
.19	.0753	.4247	.69	.2549	.2451
.20	.0793	.4207	.70	.2580	.2420
.21	.0832	.4168	.71	.2611	.2389
.22	.0871	.4129	.72	.2642	.2358
.23	.0910	.4090	.73	.2673	.2327
.24	.0948	.4052	.74	.2704	.2296
.25	.0987	.4013	.75	.2734	.2266
.26	.1026	.3974	.76	.2764	.2236
.27	.1064	.3936	.77	.2794	.2206
.28	.1103	.3897	.78	.2823	.2177
.29	.1141	.3859	.79	.2852	.2148
.30	.1179	.3821	.80	.2881	.2119
.31	.1217	.3783	.81	.2910	.2090
.32	.1255	.3745	.82	.2939	.2061
.33	.1293	.3707	.83	.2967	.2033
.34	.1331	.3669	.84	.2995	.2005
.35	.1368	.3632	.85	.3023	.1977
.36	.1406	.3594	.86	.3051	.1949
.37	.1443	.3557	.87	.3078	.1922
.38	.1480	.3520	.88	.3106	.1894
.39	.1517	.3483	.89	.3133	.1867
.40	.1554	.3446	.90	.3159	.1841
.41	.1591	.3409	.91	.3186	.1814
.42	.1628	.3372	.92	.3212	.1788
.43	.1664	.3336	.93	.3238	.1762
.44	.1700	.3300	.94	.3264	.1736
.45	.1736	.3264	.95	.3289	.1711
.46	.1772	.3228	.96	.3315	.1685
.47	.1808	.3192	.97	.3340	.1660
.48	.1844	.3156	.98	.3365	.1635
.49	.1879	.3121	.99	.3389	.1611

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1.00	.3413	.1587	1.50	.4332	.0668
1.01	.3438	.1562	1.51	.4345	.0655
1.02	.3461	.1539	1.52	.4357	.0643
1.03	.3485	.1515	1.53	.4370	.0630
1.04	.3508	.1492	1.54	.4382	.0618
1.05	.3531	.1469	1.55	.4394	.0606
1.06	.3554	.1446	1.56	.4406	.0594
1.07	.3577	.1423	1.57	.4418	.0582
1.08	.3599	.1401	1.58	.4429	.0571
1.09	.3621	.1379	1.59	.4441	.0559
1.10	.3643	.1357	1.60	.4452	.0548
1.11	.3665	.1335	1.61	.4463	.0537
1.12	.3686	.1314	1.62	.4474	.0526
1.13	.3708	.1292	1.63	.4484	.0516
1.14	.3729	.1271	1.64	.4495	.0505
1.15	.3749	.1251	1.65	.4505	.0495
1.16	.3770	.1230	1.66	.4515	.0485
1.17	.3790	.1210	1.67	.4525	.0475
1.18	.3810	.1190	1.68	.4535	.0465
1.19	.3830	.1170	1.69	.4545	.0455
1.20	.3849	.1151	1.70	.4554	.0446
1.21	.3869	.1131	1.71	.4564	.0436
1.22	.3888	.1112	1.72	.4573	.0427
1.23	.3907	.1093	1.73	.4582	.0418
1.24	.3925	.1075	1.74	.4591	.0409
1.25	.3944	.1056	1.75	.4599	.0401
1.26	.3962	.1038	1.76	.4608	.0392
1.27	.3980	.1020	1.77	.4616	.0384
1.28	.3997	.1003	1.78	.4625	.0375
1.29	.4015	.0985	1.79	.4633	.0367
1.30	.4032	.0968	1.80	.4641	.0359
1.31	.4049	.0951	1.81	.4649	.0351
1.32	.4066	.0934	1.82	.4656	.0344
1.33	.4082	.0918	1.83	.4664	.0336
1.34	.4099	.0901	1.84	.4671	.0329
1.35	.4115	.0885	1.85	.4678	.0322
1.36	.4131	.0869	1.86	.4686	.0314
1.37	.4147	.0853	1.87	.4693	.0307
1.38	.4162	.0838	1.88	.4699	.0301
1.39	.4177	.0823	1.89	.4706	.0294
1.40	.4192	.0808	1.90	.4713	.0287
1.41	.4207	.0793	1.91	.4719	.0281
1.42	.4222	.0778	1.92	.4726	.0274
1.43	.4236	.0764	1.93	.4732	.0268
1.44	.4251	.0749	1.94	.4738	.0262
1.45	.4265	.0735	1.95	.4744	.0256
1.46	.4279	.0721	1.96	.4750	.0250
1.47	.4292	.0708	1.97	.4756	.0244
1.48	.4306	.0694	1.98	.4761	.0239
1.49	.4319	.0681	1.99	.4767	.0233

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<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>	<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>
2.00	.4772	.0228	2.50	.4938	.0062
2.01	.4778	.0222	2.51	.4940	.0060
2.02	.4783	.0217	2.52	.4941	.0059
2.03	.4788	.0212	2.53	.4943	.0057
2.04	.4793	.0207	2.54	.4945	.0055
2.05	.4798	.0202	2.55	.4946	.0054
2.06	.4803	.0197	2.56	.4948	.0052
2.07	.4808	.0192	2.57	.4949	.0051
2.08	.4812	.0188	2.58	.4951	.0049
2.09	.4817	.0183	2.59	.4952	.0048
2.10	.4821	.0179	2.60	.4953	.0047
2.11	.4826	.0174	2.61	.4955	.0045
2.12	.4830	.0170	2.62	.4956	.0044
2.13	.4834	.0166	2.63	.4957	.0043
2.14	.4838	.0162	2.64	.4959	.0041
2.15	.4842	.0158	2.65	.4960	.0040
2.16	.4846	.0154	2.66	.4961	.0039
2.17	.4850	.0150	2.67	.4962	.0038
2.18	.4854	.0146	2.68	.4963	.0037
2.19	.4857	.0143	2.69	.4964	.0036
2.20	.4861	.0139	2.70	.4965	.0035
2.21	.4864	.0136	2.71	.4966	.0034
2.22	.4868	.0132	2.72	.4967	.0033
2.23	.4871	.0129	2.73	.4968	.0032
2.24	.4875	.0125	2.74	.4969	.0031
2.25	.4878	.0122	2.75	.4970	.0030
2.26	.4881	.0119	2.76	.4971	.0029
2.27	.4884	.0116	2.77	.4972	.0028
2.28	.4887	.0113	2.78	.4973	.0027
2.29	.4890	.0110	2.79	.4974	.0026
2.30	.4893	.0107	2.80	.4974	.0026
2.31	.4896	.0104	2.81	.4975	.0025
2.32	.4898	.0102	2.82	.4976	.0024
2.33	.4901	.0099	2.83	.4977	.0023
2.34	.4904	.0096	2.84	.4977	.0023
2.35	.4906	.0094	2.85	.4978	.0022
2.36	.4909	.0091	2.86	.4979	.0021
2.37	.4911	.0089	2.87	.4979	.0021
2.38	.4913	.0087	2.88	.4980	.0020
2.39	.4916	.0084	2.89	.4981	.0019
2.40	.4918	.0082	2.90	.4981	.0019
2.41	.4920	.0080	2.91	.4982	.0018
2.42	.4922	.0078	2.92	.4982	.0018
2.43	.4925	.0075	2.93	.4983	.0017
2.44	.4927	.0073	2.94	.4984	.0016
2.45	.4929	.0071	2.95	.4984	.0016
2.46	.4931	.0069	2.96	.4985	.0015
2.47	.4932	.0068	2.97	.4985	.0015
2.48	.4934	.0066	2.98	.4986	.0014
2.49	.4936	.0064	2.99	.4986	.0014

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<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>	<u>Z</u>	<u>Area between Mean and Z</u>	<u>Area in tail</u>
3.00	.4987	.0013	3.50	.4998	.0002
3.01	.4987	.0013			
3.02	.4987	.0013			
3.03	.4988	.0012			
3.04	.4988	.0012			
3.05	.4989	.0011			
3.06	.4989	.0011			
3.07	.4989	.0011			
3.08	.4990	.0010			
3.09	.4990	.0010			
3.10	.4990	.0010			
3.11	.4991	.0009			
3.12	.4991	.0009			
3.13	.4991	.0009			
3.14	.4992	.0008			
3.15	.4992	.0008			
3.16	.4992	.0008			
3.17	.4992	.0008			
3.18	.4993	.0007			
3.19	.4993	.0007			
3.20	.4993	.0007			
3.21	.4993	.0007			
3.22	.4994	.0006			
3.23	.4994	.0006			
3.24	.4994	.0006			
3.25	.4994	.0006			
3.26	.4994	.0006			
3.27	.4995	.0005			
3.28	.4995	.0005			
3.29	.4995	.0005			
3.30	.4995	.0005			
3.31	.4995	.0005			
3.32	.4995	.0005			
3.33	.4996	.0004			
3.34	.4996	.0004			
3.35	.4996	.0004			
3.36	.4996	.0004			
3.37	.4996	.0004			
3.38	.4996	.0004			
3.39	.4997	.0003			
3.40	.4997	.0003			
3.41	.4997	.0003			
3.42	.4997	.0003			
3.43	.4997	.0003			
3.44	.4997	.0003			
3.45	.4997	.0003			
3.46	.4997	.0003			
3.47	.4997	.0003			
3.48	.4997	.0003			
3.49	.4998	.0002			