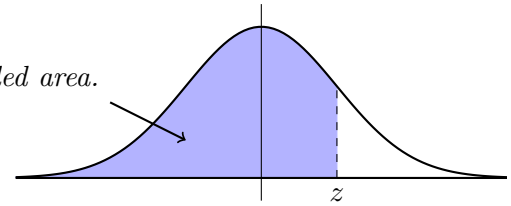
Approximate Normal Distribution CDF Tables

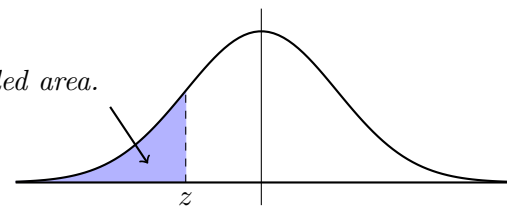
The cumulative proportion is the shaded area.



Normal Distribution - Cumulative Proportions (positive z-values)

z	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.	0.500	0.540	0.579	0.618	0.655	0.691	0.726	0.758	0.788	0.816
1.	0.841	0.864	0.885	0.903	0.919	0.933	0.945	0.955	0.964	0.971
2.	0.977	0.982	0.986	0.989	0.992	0.994	0.995	0.997	0.997	0.998
3.	0.999	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

The cumulative proportion is the shaded area.



Normal Distribution - Cumulative Proportions (negative z-values)

z	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9
0.	0.500	0.460	0.421	0.382	0.345	0.309	0.274	0.242	0.212	0.184
-1.	0.159	0.136	0.115	0.097	0.081	0.067	0.055	0.045	0.036	0.029
-2.	0.023	0.018	0.014	0.011	0.008	0.006	0.005	0.003	0.003	0.002
-3.	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Normal Distribution - Inverse Cumulative Distribution Function

Use this table to convert a percentile back to the corresponding z-value.

P	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	-inf	-2.33	-2.05	-1.88	-1.75	-1.64	-1.55	-1.48	-1.41	-1.34
0.1	-1.28	-1.23	-1.17	-1.13	-1.08	-1.04	-0.99	-0.95	-0.92	-0.88
0.2	-0.84	-0.81	-0.77	-0.74	-0.71	-0.67	-0.64	-0.61	-0.58	-0.55
0.3	-0.52	-0.50	-0.47	-0.44	-0.41	-0.39	-0.36	-0.33	-0.31	-0.28
0.4	-0.25	-0.23	-0.20	-0.18	-0.15	-0.13	-0.10	-0.08	-0.05	-0.03
0.5	0.00	0.03	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.23
0.6	0.25	0.28	0.31	0.33	0.36	0.39	0.41	0.44	0.47	0.50
0.7	0.52	0.55	0.58	0.61	0.64	0.67	0.71	0.74	0.77	0.81
0.8	0.84	0.88	0.92	0.95	0.99	1.04	1.08	1.13	1.17	1.23
0.9	1.28	1.34	1.41	1.48	1.55	1.64	1.75	1.88	2.05	2.33