

N(0, 1)-FORDELINGEN : $G(x) = P(X \leq x)$

Eksempel: $x = 2.04$ gir $P(X \leq 2.04) = G(2.04) = 0.9793$.

For negative verdier benyttes formelen: $G(-x) = 1 - G(x)$.

x	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998
3.5	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998	.9998
3.6	.9998	.9998	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999
3.7	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999
3.8	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999
3.9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Kvantiltabell:

α	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
u_α	0.842	1.282	1.645	1.960	2.054	2.326	2.576	2.878	3.090

KVANTILTABELL FOR t-FORDELINGEN

Tabellen gir $t_{\alpha, m}$ som er α -kvantilen i t-fordelingen med m frihetsgrader.

$$P(T > t_{\alpha, m}) = \alpha \text{ der } T \sim t_m$$

Eksempel: $t_{0.10, 12} = 1.356$. Det betyr at $P(T > 1.356) = 0.10$ når $T \sim t_{12}$.

m \ α	0.20	0.10	0.05	0.025	0.02	0.01	0.005
1	1.376	3.078	6.314	12.706	15.894	31.821	63.656
2	1.061	1.886	2.920	4.303	4.849	6.965	9.925
3	0.978	1.638	2.353	3.182	3.482	4.541	5.841
4	0.941	1.533	2.132	2.776	2.999	3.747	4.604
5	0.920	1.476	2.015	2.571	2.757	3.365	4.032
6	0.906	1.440	1.943	2.447	2.612	3.143	3.707
7	0.896	1.415	1.895	2.365	2.517	2.998	3.499
8	0.889	1.397	1.860	2.306	2.449	2.896	3.355
9	0.883	1.383	1.833	2.262	2.398	2.821	3.250
10	0.879	1.372	1.812	2.228	2.359	2.764	3.169
11	0.876	1.363	1.796	2.201	2.328	2.718	3.106
12	0.873	1.356	1.782	2.179	2.303	2.681	3.055
13	0.870	1.350	1.771	2.160	2.282	2.650	3.012
14	0.868	1.345	1.761	2.145	2.264	2.624	2.977
15	0.866	1.341	1.753	2.131	2.249	2.602	2.947
16	0.865	1.337	1.746	2.120	2.235	2.583	2.921
17	0.863	1.333	1.740	2.110	2.224	2.567	2.898
18	0.862	1.330	1.734	2.101	2.214	2.552	2.878
19	0.861	1.328	1.729	2.093	2.205	2.539	2.861
20	0.860	1.325	1.725	2.086	2.197	2.528	2.845
21	0.859	1.323	1.721	2.080	2.189	2.518	2.831
22	0.858	1.321	1.717	2.074	2.183	2.508	2.819
23	0.858	1.319	1.714	2.069	2.177	2.500	2.807
24	0.857	1.318	1.711	2.064	2.172	2.492	2.797
25	0.856	1.316	1.708	2.060	2.167	2.485	2.787
26	0.856	1.315	1.706	2.056	2.162	2.479	2.779
27	0.855	1.314	1.703	2.052	2.158	2.473	2.771
28	0.855	1.313	1.701	2.048	2.154	2.467	2.763
29	0.854	1.311	1.699	2.045	2.150	2.462	2.756
30	0.854	1.310	1.697	2.042	2.147	2.457	2.750
31	0.853	1.309	1.696	2.040	2.144	2.453	2.744
32	0.853	1.309	1.694	2.037	2.141	2.449	2.738
33	0.853	1.308	1.692	2.035	2.138	2.445	2.733
34	0.852	1.307	1.691	2.032	2.136	2.441	2.728
35	0.852	1.306	1.690	2.030	2.133	2.438	2.724
36	0.852	1.306	1.688	2.028	2.131	2.434	2.719
37	0.851	1.305	1.687	2.026	2.129	2.431	2.715
38	0.851	1.304	1.686	2.024	2.127	2.429	2.712
39	0.851	1.304	1.685	2.023	2.125	2.426	2.708
40	0.851	1.303	1.684	2.021	2.123	2.423	2.704
50	0.849	1.299	1.676	2.009	2.109	2.403	2.678
60	0.848	1.296	1.671	2.000	2.099	2.390	2.660
70	0.847	1.294	1.667	1.994	2.093	2.381	2.648
80	0.846	1.292	1.664	1.990	2.088	2.374	2.639
∞	0.842	1.282	1.645	1.960	2.054	2.326	2.576

BINOMISK FORDELING : $P(X \leq x)$

Linjer der alle sannsynlighetene er lik 1.000 er ikke tatt med i tabellen.

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n	x \ p	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50
16	0	0.440	0.185	0.074	0.028	0.010	0.003	0.000	0.000
	1	0.811	0.515	0.284	0.141	0.063	0.026	0.003	0.000
	2	0.957	0.789	0.561	0.352	0.197	0.099	0.018	0.002
	3	0.993	0.932	0.790	0.598	0.405	0.246	0.065	0.011
	4	0.999	0.983	0.921	0.798	0.630	0.450	0.167	0.038
	5	1.000	0.997	0.976	0.918	0.810	0.660	0.329	0.105
	6	1.000	0.999	0.994	0.973	0.920	0.825	0.527	0.227
	7	1.000	1.000	0.999	0.993	0.973	0.926	0.716	0.402
	8	1.000	1.000	1.000	0.999	0.993	0.974	0.858	0.598
	9	1.000	1.000	1.000	1.000	0.998	0.993	0.942	0.773
	10	1.000	1.000	1.000	1.000	1.000	0.998	0.981	0.895
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.995	0.962
	12	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.989
	13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998
17	0	0.418	0.167	0.063	0.023	0.008	0.002	0.000	0.000
	1	0.792	0.482	0.252	0.118	0.050	0.019	0.002	0.000
	2	0.950	0.762	0.520	0.310	0.164	0.077	0.012	0.001
	3	0.991	0.917	0.756	0.549	0.353	0.202	0.046	0.006
	4	0.999	0.978	0.901	0.758	0.574	0.389	0.126	0.025
	5	1.000	0.995	0.968	0.894	0.765	0.597	0.264	0.072
	6	1.000	0.999	0.992	0.962	0.893	0.775	0.448	0.166
	7	1.000	1.000	0.998	0.989	0.960	0.895	0.641	0.315
	8	1.000	1.000	1.000	0.997	0.988	0.960	0.801	0.500
	9	1.000	1.000	1.000	1.000	0.997	0.987	0.908	0.685
	10	1.000	1.000	1.000	1.000	0.999	0.997	0.965	0.834
	11	1.000	1.000	1.000	1.000	1.000	0.999	0.989	0.928
	12	1.000	1.000	1.000	1.000	1.000	1.000	0.997	0.975
	13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.994
	14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999
18	0	0.397	0.150	0.054	0.018	0.006	0.002	0.000	0.000
	1	0.774	0.450	0.224	0.099	0.039	0.014	0.001	0.000
	2	0.942	0.734	0.480	0.271	0.135	0.060	0.008	0.001
	3	0.989	0.902	0.720	0.501	0.306	0.165	0.033	0.004
	4	0.998	0.972	0.879	0.716	0.519	0.333	0.094	0.015
	5	1.000	0.994	0.958	0.867	0.717	0.534	0.209	0.048
	6	1.000	0.999	0.988	0.949	0.861	0.722	0.374	0.119
	7	1.000	1.000	0.997	0.984	0.943	0.859	0.563	0.240
	8	1.000	1.000	0.999	0.996	0.981	0.940	0.737	0.407
	9	1.000	1.000	1.000	0.999	0.995	0.979	0.865	0.593
	10	1.000	1.000	1.000	1.000	0.999	0.994	0.942	0.760
	11	1.000	1.000	1.000	1.000	1.000	0.999	0.980	0.881

BINOMISK FORDELING : $P(X \leq x)$

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POISSON FORDELING : $P(X \leq x)$

$x \backslash \lambda$	0.1	0.5	1.0	1.5	2.0	2.5	3.0
0	0.9048	0.6065	0.3679	0.2231	0.1353	0.0821	0.0498
1	0.9953	0.9098	0.7358	0.5578	0.4060	0.2873	0.1991
2	0.9998	0.9856	0.9197	0.8088	0.6767	0.5438	0.4232
3	1.0000	0.9982	0.9810	0.9344	0.8571	0.7576	0.6472
4	1.0000	0.9998	0.9963	0.9814	0.9473	0.8912	0.8153
5	1.0000	1.0000	0.9994	0.9955	0.9834	0.9580	0.9161
6	1.0000	1.0000	0.9999	0.9991	0.9955	0.9858	0.9665
7	1.0000	1.0000	1.0000	0.9998	0.9989	0.9958	0.9881
8	1.0000	1.0000	1.0000	1.0000	0.9998	0.9989	0.9962
9	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9989
10	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997
11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

$x \backslash \lambda$	3.5	4.0	4.5	5.0	5.5	6.0	6.5
0	0.0302	0.0183	0.0111	0.0067	0.0041	0.0025	0.0015
1	0.1359	0.0916	0.0611	0.0404	0.0266	0.0174	0.0113
2	0.3208	0.2381	0.1736	0.1247	0.0884	0.0620	0.0430
3	0.5366	0.4335	0.3423	0.2650	0.2017	0.1512	0.1118
4	0.7254	0.6288	0.5321	0.4405	0.3575	0.2851	0.2237
5	0.8576	0.7851	0.7029	0.6160	0.5289	0.4457	0.3690
6	0.9347	0.8893	0.8311	0.7622	0.6860	0.6063	0.5265
7	0.9733	0.9489	0.9134	0.8666	0.8095	0.7440	0.6728
8	0.9901	0.9786	0.9597	0.9319	0.8944	0.8472	0.7916
9	0.9967	0.9919	0.9829	0.9682	0.9462	0.9161	0.8774
10	0.9990	0.9972	0.9933	0.9863	0.9747	0.9574	0.9332
11	0.9997	0.9991	0.9976	0.9945	0.9890	0.9799	0.9661
12	0.9999	0.9997	0.9992	0.9980	0.9955	0.9912	0.9840
13	1.0000	0.9999	0.9997	0.9993	0.9983	0.9964	0.9929
14	1.0000	1.0000	0.9999	0.9998	0.9994	0.9986	0.9970
15	1.0000	1.0000	1.0000	0.9999	0.9998	0.9995	0.9988
16	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9996
17	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998
18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

$x \backslash \lambda$	7.0	7.5	8.0	8.5	9.0	9.5	10.0
0	0.0009	0.0006	0.0003	0.0002	0.0001	0.0001	0.0000
1	0.0073	0.0047	0.0030	0.0019	0.0012	0.0008	0.0005
2	0.0296	0.0203	0.0138	0.0093	0.0062	0.0042	0.0028
3	0.0818	0.0591	0.0424	0.0301	0.0212	0.0149	0.0103
4	0.1730	0.1321	0.0996	0.0744	0.0550	0.0403	0.0293
5	0.3007	0.2414	0.1912	0.1496	0.1157	0.0885	0.0671
6	0.4497	0.3782	0.3134	0.2562	0.2068	0.1649	0.1301
7	0.5987	0.5246	0.4530	0.3856	0.3239	0.2687	0.2202
8	0.7291	0.6620	0.5925	0.5231	0.4557	0.3918	0.3328
9	0.8305	0.7764	0.7166	0.6530	0.5874	0.5218	0.4579
10	0.9015	0.8622	0.8159	0.7634	0.7060	0.6453	0.5830
11	0.9467	0.9208	0.8881	0.8487	0.8030	0.7520	0.6968
12	0.9730	0.9573	0.9362	0.9091	0.8758	0.8364	0.7916

POISSON FORDELING : $P(X \leq x)$

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