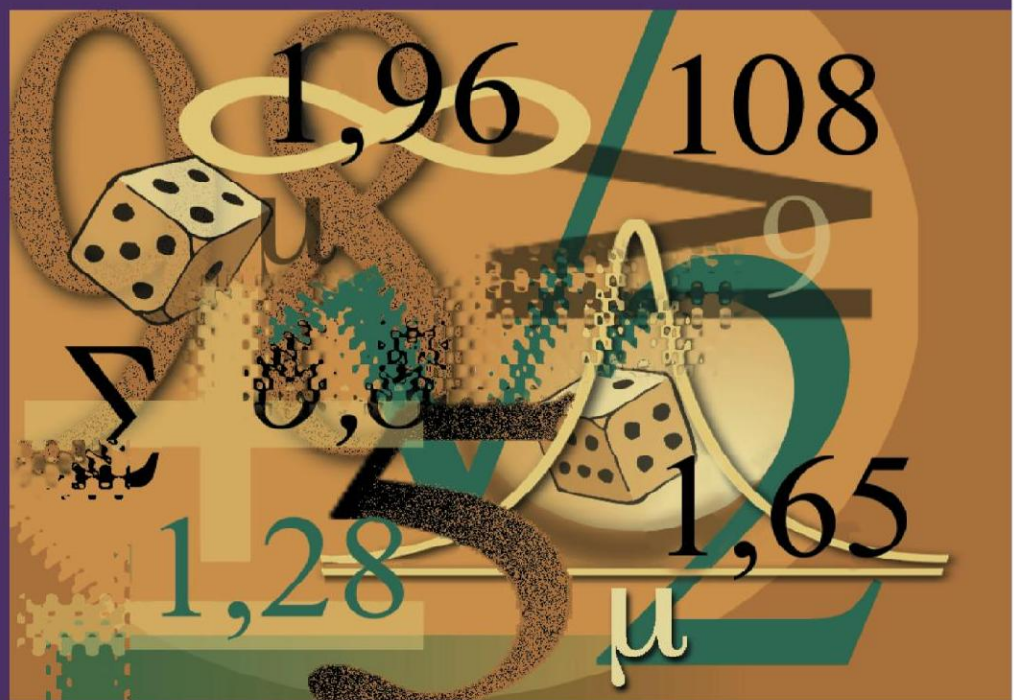


ALF HARBITZ

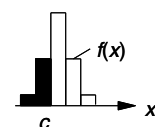
Statistikk og sannsynlighetsregning

- Tabeller



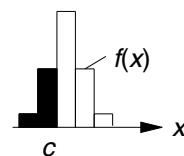
		P										
c		.05	.1	.2	.3	.4	.5	.6	.7	.8	.9	.95
$n = 1$	0	.950	.900	.800	.700	.600	.500	.400	.300	.200	.100	.050
	1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 2$	0	.903	.810	.640	.490	.360	.250	.160	.090	.040	.010	.003
	1	.998	.990	.960	.910	.840	.750	.640	.510	.360	.190	.098
	2	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 3$	0	.857	.729	.512	.343	.216	.125	.064	.027	.008	.001	.000
	1	.993	.972	.896	.784	.648	.500	.352	.216	.104	.028	.007
	2	1.000	.999	.992	.973	.936	.875	.784	.657	.488	.271	.143
	3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 4$	0	.815	.656	.410	.240	.130	.062	.026	.008	.002	.000	.000
	1	.986	.948	.819	.652	.475	.313	.179	.084	.027	.004	.000
	2	1.000	.996	.973	.916	.821	.688	.525	.348	.181	.052	.014
	3	1.000	1.000	.998	.992	.974	.938	.870	.760	.590	.344	.185
	4	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 5$	0	.774	.590	.328	.168	.078	.031	.010	.002	.000	.000	.000
	1	.977	.919	.737	.528	.337	.188	.087	.031	.007	.000	.000
	2	.999	.991	.942	.837	.683	.500	.317	.163	.058	.009	.001
	3	1.000	1.000	.993	.969	.913	.812	.663	.472	.263	.081	.023
	4	1.000	1.000	1.000	.998	.990	.969	.922	.832	.672	.410	.226
	5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 6$	0	.735	.531	.262	.118	.047	.016	.004	.001	.000	.000	.000
	1	.967	.886	.655	.420	.233	.109	.041	.011	.002	.000	.000
	2	.998	.984	.901	.744	.544	.344	.179	.070	.017	.001	.000
	3	1.000	.999	.983	.930	.821	.656	.456	.256	.099	.016	.002
	4	1.000	1.000	.998	.989	.959	.891	.767	.580	.345	.114	.033
	5	1.000	1.000	1.000	.999	.996	.984	.953	.882	.738	.469	.265
	6	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 7$	0	.698	.478	.210	.082	.028	.008	.002	.000	.000	.000	.000
	1	.956	.850	.577	.329	.159	.063	.019	.004	.000	.000	.000
	2	.996	.974	.852	.647	.420	.227	.096	.029	.005	.000	.000
	3	1.000	.997	.967	.874	.710	.500	.290	.126	.033	.003	.000
	4	1.000	1.000	.995	.971	.904	.773	.580	.353	.148	.026	.004
	5	1.000	1.000	1.000	.996	.981	.938	.841	.671	.423	.150	.044
	6	1.000	1.000	1.000	1.000	.998	.992	.972	.918	.790	.522	.302
	7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 8$	0	.663	.430	.168	.058	.017	.004	.001	.000	.000	.000	.000
	1	.943	.813	.503	.255	.106	.035	.009	.001	.000	.000	.000
	2	.994	.962	.797	.552	.315	.145	.050	.011	.001	.000	.000
	3	1.000	.995	.944	.806	.594	.363	.174	.058	.010	.000	.000
	4	1.000	1.000	.990	.942	.826	.637	.406	.194	.056	.005	.000
	5	1.000	1.000	.999	.989	.950	.855	.685	.448	.203	.038	.006
	6	1.000	1.000	1.000	.999	.991	.965	.894	.745	.497	.187	.057
	7	1.000	1.000	1.000	1.000	.999	.996	.983	.942	.832	.570	.337
	8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

		p										
c		.05	.1	.2	.3	.4	.5	.6	.7	.8	.9	.95
$n = 13$	0	.513	.254	.055	.010	.001	.000	.000	.000	.000	.000	.000
	1	.865	.621	.234	.064	.013	.002	.000	.000	.000	.000	.000
	2	.975	.866	.502	.202	.058	.011	.001	.000	.000	.000	.000
	3	.997	.966	.747	.421	.169	.046	.008	.001	.000	.000	.000
	4	1.000	.994	.901	.654	.353	.133	.032	.004	.000	.000	.000
	5	1.000	.999	.970	.835	.574	.291	.098	.018	.001	.000	.000
	6	1.000	1.000	.993	.938	.771	.500	.229	.062	.007	.000	.000
	7	1.000	1.000	.999	.982	.902	.709	.426	.165	.030	.001	.000
	8	1.000	1.000	1.000	.996	.968	.867	.647	.346	.099	.006	.000
	9	1.000	1.000	1.000	.999	.992	.954	.831	.579	.253	.034	.003
	10	1.000	1.000	1.000	1.000	.999	.989	.942	.798	.498	.134	.025
	11	1.000	1.000	1.000	1.000	1.000	.998	.987	.936	.766	.379	.135
	12	1.000	1.000	1.000	1.000	1.000	1.000	.999	.990	.945	.746	.487
13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
$n = 14$	0	.488	.229	.044	.007	.001	.000	.000	.000	.000	.000	.000
	1	.847	.585	.198	.047	.008	.001	.000	.000	.000	.000	.000
	2	.970	.842	.448	.161	.040	.006	.001	.000	.000	.000	.000
	3	.996	.956	.698	.355	.124	.029	.004	.000	.000	.000	.000
	4	1.000	.991	.870	.584	.279	.090	.018	.002	.000	.000	.000
	5	1.000	.999	.956	.781	.486	.212	.058	.008	.000	.000	.000
	6	1.000	1.000	.988	.907	.692	.395	.150	.031	.002	.000	.000
	7	1.000	1.000	.998	.969	.850	.605	.308	.093	.012	.000	.000
	8	1.000	1.000	1.000	.992	.942	.788	.514	.219	.044	.001	.000
	9	1.000	1.000	1.000	.998	.982	.910	.721	.416	.130	.009	.000
	10	1.000	1.000	1.000	1.000	.996	.971	.876	.645	.302	.044	.004
	11	1.000	1.000	1.000	1.000	.999	.994	.960	.839	.552	.158	.030
	12	1.000	1.000	1.000	1.000	1.000	.999	.992	.953	.802	.415	.153
	13	1.000	1.000	1.000	1.000	1.000	1.000	.999	.993	.956	.771	.512
14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
$n = 15$	0	.463	.206	.035	.005	.000	.000	.000	.000	.000	.000	.000
	1	.829	.549	.167	.035	.005	.000	.000	.000	.000	.000	.000
	2	.964	.816	.398	.127	.027	.004	.000	.000	.000	.000	.000
	3	.995	.944	.648	.297	.091	.018	.002	.000	.000	.000	.000
	4	.999	.987	.836	.515	.217	.059	.009	.001	.000	.000	.000
	5	1.000	.998	.939	.722	.403	.151	.034	.004	.000	.000	.000
	6	1.000	1.000	.982	.869	.610	.304	.095	.015	.001	.000	.000
	7	1.000	1.000	.996	.950	.787	.500	.213	.050	.004	.000	.000
	8	1.000	1.000	.999	.985	.905	.696	.390	.131	.018	.000	.000
	9	1.000	1.000	1.000	.996	.966	.849	.597	.278	.061	.002	.000
	10	1.000	1.000	1.000	.999	.991	.941	.783	.485	.164	.013	.001
	11	1.000	1.000	1.000	1.000	.998	.982	.909	.703	.352	.056	.005
	12	1.000	1.000	1.000	1.000	1.000	.996	.973	.873	.602	.184	.036
	13	1.000	1.000	1.000	1.000	1.000	1.000	.995	.965	.833	.451	.171
	14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.995	.965	.794	.537
15	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

Kumulativ **binomisk** sannsynlighet $P(X \leq c)$ 

		p										
c		.05	.1	.2	.3	.4	.5	.6	.7	.8	.9	.95
$n = 16$	0	.440	.185	.028	.003	.000	.000	.000	.000	.000	.000	.000
	1	.811	.515	.141	.026	.003	.000	.000	.000	.000	.000	.000
	2	.957	.789	.352	.099	.018	.002	.000	.000	.000	.000	.000
	3	.993	.932	.598	.246	.065	.011	.001	.000	.000	.000	.000
	4	.999	.983	.798	.450	.167	.038	.005	.000	.000	.000	.000
	5	1.000	.997	.918	.660	.329	.105	.019	.002	.000	.000	.000
	6	1.000	.999	.973	.825	.527	.227	.058	.007	.000	.000	.000
	7	1.000	1.000	.993	.926	.716	.402	.142	.026	.001	.000	.000
	8	1.000	1.000	.999	.974	.858	.598	.284	.074	.007	.000	.000
	9	1.000	1.000	1.000	.993	.942	.773	.473	.175	.027	.001	.000
	10	1.000	1.000	1.000	.998	.981	.895	.671	.340	.082	.003	.000
	11	1.000	1.000	1.000	1.000	.995	.962	.833	.550	.202	.017	.001
	12	1.000	1.000	1.000	1.000	.999	.989	.935	.754	.402	.068	.007
	13	1.000	1.000	1.000	1.000	1.000	.998	.982	.901	.648	.211	.043
	14	1.000	1.000	1.000	1.000	1.000	1.000	.997	.974	.859	.485	.189
	15	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.997	.972	.815	.560
	16	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 17$	0	.418	.167	.023	.002	.000	.000	.000	.000	.000	.000	.000
	1	.792	.482	.118	.019	.002	.000	.000	.000	.000	.000	.000
	2	.950	.762	.310	.077	.012	.001	.000	.000	.000	.000	.000
	3	.991	.917	.549	.202	.046	.006	.000	.000	.000	.000	.000
	4	.999	.978	.758	.389	.126	.025	.003	.000	.000	.000	.000
	5	1.000	.995	.894	.597	.264	.072	.011	.001	.000	.000	.000
	6	1.000	.999	.962	.775	.448	.166	.035	.003	.000	.000	.000
	7	1.000	1.000	.989	.895	.641	.315	.092	.013	.000	.000	.000
	8	1.000	1.000	.997	.960	.801	.500	.199	.040	.003	.000	.000
	9	1.000	1.000	1.000	.987	.908	.685	.359	.105	.011	.000	.000
	10	1.000	1.000	1.000	.997	.965	.834	.552	.225	.038	.001	.000
	11	1.000	1.000	1.000	.999	.989	.928	.736	.403	.106	.005	.000
	12	1.000	1.000	1.000	1.000	.997	.975	.874	.611	.242	.022	.001
	13	1.000	1.000	1.000	1.000	1.000	.994	.954	.798	.451	.083	.009
	14	1.000	1.000	1.000	1.000	1.000	.999	.988	.923	.690	.238	.050
	15	1.000	1.000	1.000	1.000	1.000	1.000	.998	.981	.882	.518	.208
	16	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.998	.977	.833	.582
	17	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 18$	0	.397	.150	.018	.002	.000	.000	.000	.000	.000	.000	.000
	1	.774	.450	.099	.014	.001	.000	.000	.000	.000	.000	.000
	2	.942	.734	.271	.060	.008	.001	.000	.000	.000	.000	.000
	3	.989	.902	.501	.165	.033	.004	.000	.000	.000	.000	.000
	4	.998	.972	.716	.333	.094	.015	.001	.000	.000	.000	.000
	5	1.000	.994	.867	.534	.209	.048	.006	.000	.000	.000	.000
	6	1.000	.999	.949	.722	.374	.119	.020	.001	.000	.000	.000
	7	1.000	1.000	.984	.859	.563	.240	.058	.006	.000	.000	.000
	8	1.000	1.000	.996	.940	.737	.407	.135	.021	.001	.000	.000
	9	1.000	1.000	.999	.979	.865	.593	.263	.060	.004	.000	.000
	10	1.000	1.000	1.000	.994	.942	.760	.437	.141	.016	.000	.000
	11	1.000	1.000	1.000	.999	.980	.881	.626	.278	.051	.001	.000
	12	1.000	1.000	1.000	1.000	.994	.952	.791	.466	.133	.006	.000

		P										
c		.05	.1	.2	.3	.4	.5	.6	.7	.8	.9	.95
$n = 18$	13	1.000	1.000	1.000	1.000	.999	.985	.906	.667	.284	.028	.002
	14	1.000	1.000	1.000	1.000	1.000	.996	.967	.835	.499	.098	.011
	15	1.000	1.000	1.000	1.000	1.000	.999	.992	.940	.729	.266	.058
	16	1.000	1.000	1.000	1.000	1.000	1.000	.999	.986	.901	.550	.226
	17	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.998	.982	.850	.603
	18	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$n = 19$	0	.377	.135	.014	.001	.000	.000	.000	.000	.000	.000	.000
	1	.755	.420	.083	.010	.001	.000	.000	.000	.000	.000	.000
	2	.933	.705	.237	.046	.005	.000	.000	.000	.000	.000	.000
	3	.987	.885	.455	.133	.023	.002	.000	.000	.000	.000	.000
	4	.998	.965	.673	.282	.070	.010	.001	.000	.000	.000	.000
	5	1.000	.991	.837	.474	.163	.032	.003	.000	.000	.000	.000
	6	1.000	.998	.932	.666	.308	.084	.012	.001	.000	.000	.000
	7	1.000	1.000	.977	.818	.488	.180	.035	.003	.000	.000	.000
	8	1.000	1.000	.993	.916	.667	.324	.088	.011	.000	.000	.000
	9	1.000	1.000	.998	.967	.814	.500	.186	.033	.002	.000	.000
	10	1.000	1.000	1.000	.989	.912	.676	.333	.084	.007	.000	.000
	11	1.000	1.000	1.000	.997	.965	.820	.512	.182	.023	.000	.000
	12	1.000	1.000	1.000	.999	.988	.916	.692	.334	.068	.002	.000
	13	1.000	1.000	1.000	1.000	.997	.968	.837	.526	.163	.009	.000
	14	1.000	1.000	1.000	1.000	.999	.990	.930	.718	.327	.035	.002
	15	1.000	1.000	1.000	1.000	1.000	.998	.977	.867	.545	.115	.013
	16	1.000	1.000	1.000	1.000	1.000	1.000	.995	.954	.763	.295	.067
	17	1.000	1.000	1.000	1.000	1.000	1.000	.999	.990	.917	.580	.245
	18	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.986	.865	.623
19	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
$n = 20$	0	.358	.122	.012	.001	.000	.000	.000	.000	.000	.000	.000
	1	.736	.392	.069	.008	.001	.000	.000	.000	.000	.000	.000
	2	.925	.677	.206	.035	.004	.000	.000	.000	.000	.000	.000
	3	.984	.867	.411	.107	.016	.001	.000	.000	.000	.000	.000
	4	.997	.957	.630	.238	.051	.006	.000	.000	.000	.000	.000
	5	1.000	.989	.804	.416	.126	.021	.002	.000	.000	.000	.000
	6	1.000	.998	.913	.608	.250	.058	.006	.000	.000	.000	.000
	7	1.000	1.000	.968	.772	.416	.132	.021	.001	.000	.000	.000
	8	1.000	1.000	.990	.887	.596	.252	.057	.005	.000	.000	.000
	9	1.000	1.000	.997	.952	.755	.412	.128	.017	.001	.000	.000
	10	1.000	1.000	.999	.983	.872	.588	.245	.048	.003	.000	.000
	11	1.000	1.000	1.000	.995	.943	.748	.404	.113	.010	.000	.000
	12	1.000	1.000	1.000	.999	.979	.868	.584	.228	.032	.000	.000
	13	1.000	1.000	1.000	1.000	.994	.942	.750	.392	.087	.002	.000
	14	1.000	1.000	1.000	1.000	.998	.979	.874	.584	.196	.011	.000
	15	1.000	1.000	1.000	1.000	1.000	.994	.949	.762	.370	.043	.003
	16	1.000	1.000	1.000	1.000	1.000	.999	.984	.893	.589	.133	.016
	17	1.000	1.000	1.000	1.000	1.000	1.000	.996	.965	.794	.323	.075
	18	1.000	1.000	1.000	1.000	1.000	1.000	.999	.992	.931	.608	.264
	19	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.988	.878	.642
20	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

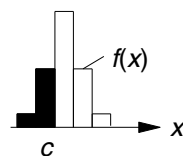
Kumulativ **Poisson** sannsynlighet $P(X \leq c)$ 

$c \downarrow \lambda \rightarrow$	.1	.2	.3	.4	.5	.6	.7	.8	.9	1
0	.905	.819	.741	.670	.607	.549	.497	.449	.407	.368
1	.995	.982	.963	.938	.910	.878	.844	.809	.772	.736
2	1.000	.999	.996	.992	.986	.977	.966	.953	.937	.920
3	1.000	1.000	1.000	.999	.998	.997	.994	.991	.987	.981
4	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.998	.996
5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999
6	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2
0	.333	.301	.273	.247	.223	.202	.183	.165	.150	.135
1	.699	.663	.627	.592	.558	.525	.493	.463	.434	.406
2	.900	.879	.857	.833	.809	.783	.757	.731	.704	.677
3	.974	.966	.957	.946	.934	.921	.907	.891	.875	.857
4	.995	.992	.989	.986	.981	.976	.970	.964	.956	.947
5	.999	.998	.998	.997	.996	.994	.992	.990	.987	.983
6	1.000	1.000	1.000	.999	.999	.999	.998	.997	.997	.995
7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999
8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3
0	.122	.111	.100	.091	.082	.074	.067	.061	.055	.050
1	.380	.355	.331	.308	.287	.267	.249	.231	.215	.199
2	.650	.623	.596	.570	.544	.518	.494	.469	.446	.423
3	.839	.819	.799	.779	.758	.736	.714	.692	.670	.647
4	.938	.928	.916	.904	.891	.877	.863	.848	.832	.815
5	.980	.975	.970	.964	.958	.951	.943	.935	.926	.916
6	.994	.993	.991	.988	.986	.983	.979	.976	.971	.966
7	.999	.998	.997	.997	.996	.995	.993	.992	.990	.988
8	1.000	1.000	.999	.999	.999	.999	.998	.998	.997	.996
9	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999	.999
10	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4
0	.045	.041	.037	.033	.030	.027	.025	.022	.020	.018
1	.185	.171	.159	.147	.136	.126	.116	.107	.099	.092
2	.401	.380	.359	.340	.321	.303	.285	.269	.253	.238
3	.625	.603	.580	.558	.537	.515	.494	.473	.453	.433
4	.798	.781	.763	.744	.725	.706	.687	.668	.648	.629
5	.906	.895	.883	.871	.858	.844	.830	.816	.801	.785
6	.961	.955	.949	.942	.935	.927	.918	.909	.899	.889
7	.986	.983	.980	.977	.973	.969	.965	.960	.955	.949
8	.995	.994	.993	.992	.990	.988	.986	.984	.981	.979
9	.999	.998	.998	.997	.997	.996	.995	.994	.993	.992
10	1.000	1.000	.999	.999	.999	.999	.998	.998	.998	.997

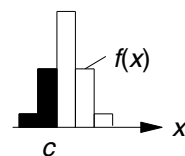
Kumulativ **Poisson** sannsynlighet $P(X \leq c)$ 

$c \downarrow \lambda \rightarrow$	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4
11	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999
12	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5
0	.017	.015	.014	.012	.011	.010	.009	.008	.007	.007
1	.085	.078	.072	.066	.061	.056	.052	.048	.044	.040
2	.224	.210	.197	.185	.174	.163	.152	.143	.133	.125
3	.414	.395	.377	.359	.342	.326	.310	.294	.279	.265
4	.609	.590	.570	.551	.532	.513	.495	.476	.458	.440
5	.769	.753	.737	.720	.703	.686	.668	.651	.634	.616
6	.879	.867	.856	.844	.831	.818	.805	.791	.777	.762
7	.943	.936	.929	.921	.913	.905	.896	.887	.877	.867
8	.976	.972	.968	.964	.960	.955	.950	.944	.938	.932
9	.990	.989	.987	.985	.983	.980	.978	.975	.972	.968
10	.997	.996	.995	.994	.993	.992	.991	.990	.988	.986
11	.999	.999	.998	.998	.998	.997	.997	.996	.995	.995
12	1.000	1.000	.999	.999	.999	.999	.999	.999	.998	.998
13	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999
14	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6
0	.006	.006	.005	.005	.004	.004	.003	.003	.003	.002
1	.037	.034	.031	.029	.027	.024	.022	.021	.019	.017
2	.116	.109	.102	.095	.088	.082	.077	.072	.067	.062
3	.251	.238	.225	.213	.202	.191	.180	.170	.160	.151
4	.423	.406	.390	.373	.358	.342	.327	.313	.299	.285
5	.598	.581	.563	.546	.529	.512	.495	.478	.462	.446
6	.747	.732	.717	.702	.686	.670	.654	.638	.622	.606
7	.856	.845	.833	.822	.809	.797	.784	.771	.758	.744
8	.925	.918	.911	.903	.894	.886	.877	.867	.857	.847
9	.964	.960	.956	.951	.946	.941	.935	.929	.923	.916
10	.984	.982	.980	.977	.975	.972	.969	.965	.961	.957
11	.994	.993	.992	.990	.989	.988	.986	.984	.982	.980
12	.998	.997	.997	.996	.996	.995	.994	.993	.992	.991
13	.999	.999	.999	.999	.998	.998	.998	.997	.997	.996
14	1.000	1.000	1.000	1.000	.999	.999	.999	.999	.999	.999
15	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999
16	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7
0	.002	.002	.002	.002	.002	.001	.001	.001	.001	.001
1	.016	.015	.013	.012	.011	.010	.009	.009	.008	.007
2	.058	.054	.050	.046	.043	.040	.037	.034	.032	.030
3	.143	.134	.126	.119	.112	.105	.099	.093	.087	.082
4	.272	.259	.247	.235	.224	.213	.202	.192	.182	.173

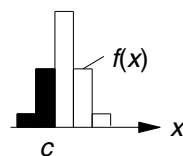
Kumulativ **Poisson** sannsynlighet $P(X \leq c)$ 

$c \downarrow \lambda \rightarrow$	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7
5	.430	.414	.399	.384	.369	.355	.341	.327	.314	.301
6	.590	.574	.558	.542	.527	.511	.495	.480	.465	.450
7	.730	.716	.702	.687	.673	.658	.643	.628	.614	.599
8	.837	.826	.815	.803	.792	.780	.767	.755	.742	.729
9	.909	.902	.894	.886	.877	.869	.860	.850	.840	.830
10	.953	.949	.944	.939	.933	.927	.921	.915	.908	.901
11	.978	.975	.972	.969	.966	.963	.959	.955	.951	.947
12	.990	.989	.987	.986	.984	.982	.980	.978	.976	.973
13	.996	.995	.995	.994	.993	.992	.991	.990	.989	.987
14	.998	.998	.998	.997	.997	.997	.996	.996	.995	.994
15	.999	.999	.999	.999	.999	.999	.998	.998	.998	.998
16	1.000	1.000	1.000	1.000	1.000	.999	.999	.999	.999	.999
17	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

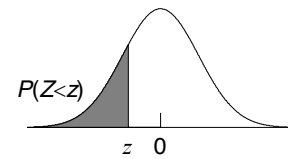
$c \downarrow \lambda \rightarrow$	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8
0	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000
1	.007	.006	.006	.005	.005	.004	.004	.004	.003	.003
2	.027	.025	.024	.022	.020	.019	.017	.016	.015	.014
3	.077	.072	.067	.063	.059	.055	.052	.048	.045	.042
4	.164	.156	.147	.140	.132	.125	.118	.112	.106	.100
5	.288	.276	.264	.253	.241	.231	.220	.210	.201	.191
6	.435	.420	.406	.392	.378	.365	.351	.338	.326	.313
7	.584	.569	.554	.539	.525	.510	.496	.481	.467	.453
8	.716	.703	.689	.676	.662	.648	.634	.620	.607	.593
9	.820	.810	.799	.788	.776	.765	.753	.741	.729	.717
10	.894	.887	.879	.871	.862	.854	.845	.835	.826	.816
11	.942	.937	.932	.926	.921	.915	.909	.902	.895	.888
12	.970	.967	.964	.961	.957	.954	.950	.945	.941	.936
13	.986	.984	.982	.980	.978	.976	.974	.971	.969	.966
14	.994	.993	.992	.991	.990	.989	.987	.986	.984	.983
15	.997	.997	.996	.996	.995	.995	.994	.993	.993	.992
16	.999	.999	.999	.998	.998	.998	.997	.997	.997	.996
17	1.000	1.000	.999	.999	.999	.999	.999	.999	.999	.998
18	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999
19	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

$c \downarrow \lambda \rightarrow$	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9
0	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
1	.003	.003	.002	.002	.002	.002	.002	.001	.001	.001
2	.013	.012	.011	.010	.009	.009	.008	.007	.007	.006
3	.040	.037	.035	.032	.030	.028	.026	.024	.023	.021
4	.094	.089	.084	.079	.074	.070	.066	.062	.058	.055
$c \downarrow \lambda \rightarrow$	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9

Kumulativ **Poisson** sannsynlighet $P(X \leq c)$

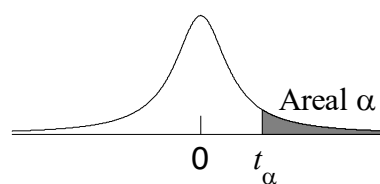
[illegible][illegible]

Kumulativ $N(0,1)$ -tabell: $\Phi(z) = P(Z < z)$

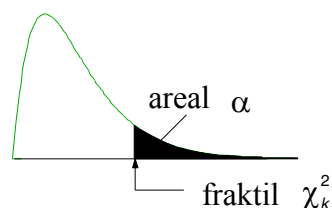


z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
-3.5	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
-3.4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0002
-3.3	.0005	.0005	.0005	.0004	.0004	.0004	.0004	.0004	.0004	.0003
-3.2	.0007	.0007	.0006	.0006	.0006	.0006	.0006	.0005	.0005	.0005
-3.1	.0010	.0009	.0009	.0009	.0008	.0008	.0008	.0008	.0007	.0007
-3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010
-2.9	.0019	.0018	.0018	.0017	.0016	.0016	.0015	.0015	.0014	.0014
-2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
-2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
-2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
-2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
-2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
-2.3	.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087	.0084
-2.2	.0139	.0136	.0132	.0129	.0125	.0122	.0119	.0116	.0113	.0110
-2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
-2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
-1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
-1.8	.0359	.0351	.0344	.0336	.0329	.0322	.0314	.0307	.0301	.0294
-1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.0375	.0367
-1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.0465	.0455
-1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
-1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	.0681
-1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
-1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
-1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
-1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
- .9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
- .8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
- .7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148
- .6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
- .5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
- .4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
- .3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
- .2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
- .1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
- .0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641

***t*-fraktiler**, t_α , i
t-fordelingen med m frihetsgrader

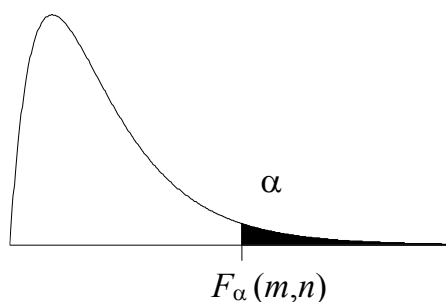


m	α					
	.25	.10	.05	.025	.01	.005
1	1.000	3.078	6.314	12.706	31.821	63.657
2	.816	1.886	2.920	4.303	6.965	9.925
3	.765	1.638	2.353	3.182	4.541	5.841
4	.741	1.533	2.132	2.776	3.747	4.604
5	.727	1.476	2.015	2.571	3.365	4.032
6	.718	1.440	1.943	2.447	3.143	3.707
7	.711	1.415	1.895	2.365	2.998	3.499
8	.706	1.397	1.860	2.306	2.896	3.355
9	.703	1.383	1.833	2.262	2.821	3.250
10	.700	1.372	1.812	2.228	2.764	3.169
11	.697	1.363	1.796	2.201	2.718	3.106
12	.695	1.356	1.782	2.179	2.681	3.055
13	.694	1.350	1.771	2.160	2.650	3.012
14	.692	1.345	1.761	2.145	2.624	2.977
15	.691	1.341	1.753	2.131	2.602	2.947
16	.690	1.337	1.746	2.120	2.583	2.921
17	.689	1.333	1.740	2.110	2.567	2.898
18	.688	1.330	1.734	2.101	2.552	2.878
19	.688	1.328	1.729	2.093	2.539	2.861
20	.687	1.325	1.725	2.086	2.528	2.845
21	.686	1.323	1.721	2.080	2.518	2.831
22	.686	1.321	1.717	2.074	2.508	2.819
23	.685	1.319	1.714	2.069	2.500	2.807
24	.685	1.318	1.711	2.064	2.492	2.797
25	.684	1.316	1.708	2.060	2.485	2.787
26	.684	1.315	1.706	2.056	2.479	2.779
27	.684	1.314	1.703	2.052	2.473	2.771
28	.683	1.313	1.701	2.048	2.467	2.763
29	.683	1.311	1.699	2.045	2.462	2.756
30	.683	1.310	1.697	2.042	2.457	2.750
40	.681	1.303	1.684	2.021	2.423	2.704
60	.679	1.296	1.671	2.000	2.390	2.660
120	.677	1.289	1.658	1.980	2.358	2.617
∞	.674	1.282	1.645	1.960	2.326	2.576



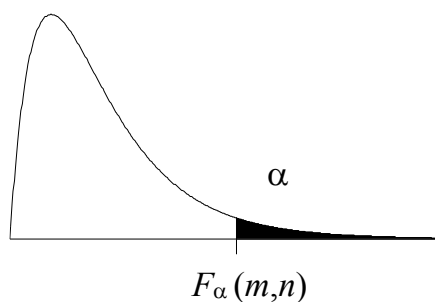
α -fraktiler χ_{α}^2 i kjikvadratfordelingen med k frihetsgrader

$k \downarrow \alpha \rightarrow$	.995	.990	.975	.950	.050	.025	.010	.005
1	0.00	0.00	0.00	0.00	3.84	5.02	6.63	7.88
2	0.01	0.02	0.05	0.10	5.99	7.38	9.21	10.60
3	0.07	0.11	0.22	0.35	7.81	9.35	11.34	12.84
4	0.21	0.30	0.48	0.71	9.49	11.14	13.28	14.86
5	0.41	0.55	0.83	1.15	11.07	12.83	15.09	16.75
6	0.68	0.87	1.24	1.64	12.59	14.45	16.81	18.55
7	0.99	1.24	1.69	2.17	14.07	16.01	18.48	20.28
8	1.34	1.65	2.18	2.73	15.51	17.53	20.09	21.95
9	1.73	2.09	2.70	3.33	16.92	19.02	21.67	23.59
10	2.16	2.56	3.25	3.94	18.31	20.48	23.21	25.19
11	2.60	3.05	3.82	4.57	19.68	21.92	24.72	26.76
12	3.07	3.57	4.40	5.23	21.03	23.34	26.22	28.30
13	3.57	4.11	5.01	5.89	22.36	24.74	27.69	29.82
14	4.07	4.66	5.63	6.57	23.68	26.12	29.14	31.32
15	4.60	5.23	6.26	7.26	25.00	27.49	30.58	32.80
16	5.14	5.81	6.91	7.96	26.30	28.85	32.00	34.27
17	5.70	6.41	7.56	8.67	27.59	30.19	33.41	35.72
18	6.26	7.01	8.23	9.39	28.87	31.53	34.81	37.16
19	6.84	7.63	8.91	10.12	30.14	32.85	36.19	38.58
20	7.43	8.26	9.59	10.85	31.41	34.17	37.57	40.00
21	8.03	8.90	10.28	11.59	32.67	35.48	38.93	41.40
22	8.64	9.54	10.98	12.34	33.92	36.78	40.29	42.80
23	9.26	10.20	11.69	13.09	35.17	38.08	41.64	44.18
24	9.89	10.86	12.40	13.85	36.42	39.36	42.98	45.56
25	10.52	11.52	13.12	14.61	37.65	40.65	44.31	46.93
26	11.16	12.20	13.84	15.38	38.89	41.92	45.64	48.29
27	11.81	12.88	14.57	16.15	40.11	43.19	46.96	49.64
28	12.46	13.56	15.31	16.93	41.34	44.46	48.28	50.99
29	13.12	14.26	16.05	17.71	42.56	45.72	49.59	52.34
30	13.79	14.95	16.79	18.49	43.77	46.98	50.89	53.67
40	20.71	22.16	24.43	26.51	55.76	59.34	63.69	66.77
50	27.99	29.71	32.36	34.76	67.50	71.42	76.15	79.49
60	35.53	37.48	40.48	43.19	79.08	83.30	88.38	91.95
70	43.28	45.44	48.76	51.74	90.53	95.02	100.43	104.21
80	51.17	53.54	57.15	60.39	101.88	106.63	112.33	116.32
90	59.20	61.75	65.65	69.13	113.15	118.14	124.12	128.30
100	67.33	70.06	74.22	77.93	124.34	129.56	135.81	140.17



Øvre 5-prosentiler F -fordelingen m : d.f. i teller, n : d.f. i nevner

$m \rightarrow$ $n \downarrow$	1	2	3	4	5	6	7	8	9
1	161,45	199,50	215,71	224,58	230,16	233,99	236,77	238,88	240,54
2	18,513	19,000	19,164	19,247	19,296	19,330	19,353	19,371	19,385
3	10,128	9,552	9,277	9,117	9,013	8,941	8,887	8,845	8,812
4	7,709	6,944	6,591	6,388	6,256	6,163	6,094	6,041	5,999
5	6,608	5,786	5,409	5,192	5,050	4,950	4,876	4,818	4,772
6	5,987	5,143	4,757	4,534	4,387	4,284	4,207	4,147	4,099
7	5,591	4,737	4,347	4,120	3,972	3,866	3,787	3,726	3,677
8	5,318	4,459	4,066	3,838	3,687	3,581	3,500	3,438	3,388
9	5,117	4,256	3,863	3,633	3,482	3,374	3,293	3,230	3,179
10	4,965	4,103	3,708	3,478	3,326	3,217	3,135	3,072	3,020
11	4,844	3,982	3,587	3,357	3,204	3,095	3,012	2,948	2,896
12	4,747	3,885	3,490	3,259	3,106	2,996	2,913	2,849	2,796
13	4,667	3,806	3,411	3,179	3,025	2,915	2,832	2,767	2,714
14	4,600	3,739	3,344	3,112	2,958	2,848	2,764	2,699	2,646
15	4,543	3,682	3,287	3,056	2,901	2,790	2,707	2,641	2,588
16	4,494	3,634	3,239	3,007	2,852	2,741	2,657	2,591	2,538
17	4,451	3,592	3,197	2,965	2,810	2,699	2,614	2,548	2,494
18	4,414	3,555	3,160	2,928	2,773	2,661	2,577	2,510	2,456
19	4,381	3,522	3,127	2,895	2,740	2,628	2,544	2,477	2,423
20	4,351	3,493	3,098	2,866	2,711	2,599	2,514	2,447	2,393
30	4,171	3,316	2,922	2,690	2,534	2,421	2,334	2,266	2,211
60	4,001	3,150	2,758	2,525	2,368	2,254	2,167	2,097	2,040
120	3,920	3,072	2,680	2,447	2,290	2,175	2,087	2,016	1,959
∞	3,842	3,000	2,605	2,372	2,214	2,099	2,010	1,938	1,880



Øvre 5-prosentiler F -fordelingen m : d.f. i teller. n : d.f. i nevner

$m \rightarrow$ $n \downarrow$	10	12	15	20	24	30	60	120	∞
1	241,88	243,91	245,95	248,01	249,05	250,10	252,20	253,25	254,32
2	19,396	19,413	19,429	19,446	19,454	19,462	19,479	19,487	14,496
3	8,786	8,745	8,703	8,660	8,639	8,617	8,572	8,549	8,527
4	5,964	5,912	5,858	5,803	5,774	5,746	5,688	5,658	5,628
5	4,735	4,678	4,619	4,558	4,527	4,496	4,431	4,398	4,365
6	4,060	4,000	3,938	3,874	3,841	3,808	3,740	3,705	3,669
7	3,637	3,575	3,511	3,445	3,410	3,376	3,304	3,267	3,230
8	3,347	3,284	3,218	3,150	3,115	3,079	3,005	2,967	2,928
9	3,137	3,073	3,006	2,936	2,900	2,864	2,787	2,748	2,707
10	2,978	2,913	2,845	2,774	2,737	2,700	2,621	2,580	2,538
11	2,854	2,788	2,719	2,646	2,609	2,570	2,490	2,448	2,405
12	2,753	2,687	2,617	2,544	2,505	2,466	2,384	2,341	2,296
13	2,671	2,604	2,533	2,459	2,420	2,380	2,297	2,252	2,206
14	2,602	2,534	2,463	2,388	2,349	2,308	2,223	2,178	2,131
15	2,544	2,475	2,403	2,328	2,288	2,247	2,160	2,114	2,066
16	2,494	2,425	2,352	2,276	2,235	2,194	2,106	2,059	2,010
17	2,450	2,381	2,308	2,230	2,190	2,148	2,058	2,011	1,960
18	2,412	2,342	2,269	2,191	2,150	2,107	2,017	1,968	1,917
19	2,378	2,308	2,234	2,155	2,114	2,071	1,980	1,930	1,878
20	2,348	2,278	2,203	2,124	2,082	2,039	1,946	1,896	1,843
30	2,165	2,092	2,015	1,932	1,887	1,841	1,740	1,683	1,622
60	1,993	1,917	1,836	1,748	1,700	1,649	1,534	1,467	1,389
120	1,910	1,834	1,750	1,659	1,608	1,554	1,429	1,352	1,254
∞	1,831	1,752	1,666	1,571	1,517	1,459	1,318	1,221	1,000