

Poisson distribution function

$$F(x; \alpha) = \sum_{k=0}^x e^{-\alpha} \frac{\alpha^k}{k!}$$

$\alpha \setminus x$	0	1	2	3	4	5	6	7	8	9
0.02	0.980	1.000								
0.04	0.961	0.999	1.000							
0.06	0.942	0.998	1.000							
0.08	0.923	0.997	1.000							
0.10	0.905	0.995	1.000							
0.15	0.861	0.990	0.999	1.000						
0.20	0.819	0.982	0.999	1.000						
0.25	0.779	0.974	0.998	1.000						
0.30	0.741	0.963	0.996	1.000						
0.35	0.705	0.951	0.994	1.000						
0.40	0.670	0.938	0.992	0.999	1.000					
0.45	0.638	0.925	0.989	0.999	1.000					
0.50	0.607	0.910	0.986	0.998	1.000					
0.55	0.577	0.894	0.982	0.998	1.000					
0.60	0.549	0.878	0.977	0.997	1.000					
0.65	0.522	0.861	0.972	0.996	0.999	1.000				
0.70	0.497	0.844	0.966	0.994	0.999	1.000				
0.75	0.472	0.827	0.959	0.993	0.999	1.000				
0.80	0.449	0.809	0.953	0.991	0.999	1.000				
0.85	0.427	0.791	0.945	0.989	0.998	1.000				
0.90	0.407	0.772	0.937	0.987	0.998	1.000				
0.95	0.387	0.754	0.929	0.984	0.997	1.000				
1.00	0.368	0.736	0.920	0.981	0.996	0.999	1.000			
1.1	0.333	0.699	0.900	0.974	0.995	0.999	1.000			
1.2	0.301	0.653	0.879	0.966	0.992	0.998	1.000			
1.3	0.273	0.627	0.857	0.957	0.989	0.998	1.000			
1.4	0.247	0.592	0.833	0.946	0.986	0.997	0.999	1.000		
1.5	0.223	0.558	0.809	0.934	0.981	0.996	0.999	1.000		
1.6	0.202	0.525	0.783	0.921	0.978	0.994	0.999	1.000		
1.7	0.183	0.493	0.757	0.907	0.970	0.992	0.998	1.000		
1.8	0.165	0.463	0.731	0.891	0.964	0.990	0.997	0.999	1.000	
1.9	0.150	0.434	0.704	0.875	0.956	0.987	0.997	0.999	1.000	
2.0	0.135	0.406	0.677	0.857	0.947	0.983	0.995	0.999	1.000	

Source: Reprinted by kind permission from E. C. Molina, *Poisson's Exponential Binomial Limit*, D. Van Nostrand Company, Inc., Princeton, NJ, 1974.

POISSON DISTRIBUTION FUNCTION

$\alpha \setminus x$	0	1	2	3	4	5	6	7	8	9
2.2	0.111	0.355	0.623	0.819	0.928	0.975	0.993	0.998	1.000	
2.4	0.091	0.308	0.570	0.779	0.904	0.964	0.988	0.997	0.999	1.000
2.6	0.074	0.267	0.518	0.736	0.877	0.951	0.983	0.995	0.999	1.000
2.8	0.061	0.231	0.469	0.692	0.848	0.935	0.976	0.992	0.998	0.999
3.0	0.050	0.199	0.423	0.647	0.815	0.916	0.966	0.988	0.996	0.999
3.2	0.041	0.171	0.380	0.603	0.781	0.895	0.955	0.983	0.994	0.998
3.4	0.033	0.147	0.340	0.558	0.744	0.871	0.942	0.977	0.992	0.997
3.5	0.027	0.126	0.303	0.515	0.706	0.844	0.927	0.969	0.988	0.996
3.8	0.022	0.107	0.269	0.473	0.668	0.816	0.909	0.960	0.984	0.994
4.0	0.018	0.092	0.238	0.433	0.629	0.785	0.889	0.949	0.979	0.992
4.2	0.015	0.078	0.210	0.395	0.590	0.753	0.867	0.936	0.972	0.989
4.4	0.012	0.066	0.185	0.359	0.551	0.720	0.844	0.921	0.964	0.985
4.6	0.010	0.056	0.163	0.326	0.513	0.688	0.818	0.905	0.955	0.980
4.8	0.008	0.048	0.143	0.294	0.476	0.651	0.791	0.887	0.944	0.975
5.0	0.007	0.040	0.125	0.265	0.440	0.616	0.762	0.867	0.932	0.968
5.2	0.006	0.034	0.109	0.238	0.406	0.581	0.732	0.845	0.918	0.960
5.4	0.005	0.029	0.095	0.213	0.373	0.546	0.702	0.822	0.903	0.951
5.6	0.004	0.024	0.082	0.191	0.342	0.512	0.670	0.797	0.888	0.941
5.8	0.003	0.021	0.072	0.170	0.313	0.478	0.638	0.771	0.867	0.929
6.0	0.002	0.017	0.062	0.151	0.285	0.446	0.605	0.744	0.847	0.916
6.2	1.000									
6.4	1.000									
6.6	1.000									
6.8	1.000									
7.0	1.000									
7.2	1.000									
7.4	1.000									
7.6	1.000									
7.8	1.000									
8.0	1.000									
8.2	1.000									
8.4	1.000									
8.6	1.000									
8.8	1.000									
9.0	1.000									
9.2	1.000									
9.4	1.000									
9.6	1.000									
9.8	1.000									
10.0	1.000									
10.2	1.000									
10.4	1.000									
10.6	1.000									
10.8	1.000									
11.0	1.000									
11.2	1.000									
11.4	1.000									
11.6	1.000									
11.8	1.000									
12.0	1.000									
12.2	1.000									
12.4	1.000									
12.6	1.000									
12.8	1.000									
13.0	1.000									
13.2	1.000									
13.4	1.000									
13.6	1.000									
13.8	1.000									
14.0	1.000									
14.2	1.000									
14.4	1.000									
14.6	1.000									
14.8	1.000									
15.0	1.000									
15.2	1.000									
15.4	1.000									
15.6	1.000									
15.8	1.000									
16.0	1.000									

$\alpha \setminus x$	0	1	2	3	4	5	6	7	8	9
6.2	0.002	0.015	0.054	0.134	0.259	0.414	0.574	0.716	0.826	0.902
6.4	0.002	0.012	0.046	0.119	0.235	0.384	0.542	0.687	0.803	0.886
6.6	0.001	0.010	0.040	0.105	0.213	0.355	0.511	0.658	0.780	0.869
6.8	0.001	0.009	0.034	0.093	0.192	0.327	0.480	0.628	0.755	0.850
7.0	0.001	0.007	0.030	0.082	0.173	0.301	0.450	0.599	0.729	0.830
7.2	0.001	0.006	0.025	0.072	0.158	0.276	0.420	0.569	0.703	0.810
7.4	0.001	0.005	0.022	0.063	0.140	0.253	0.392	0.539	0.676	0.788
7.6	0.001	0.004	0.019	0.055	0.125	0.231	0.365	0.510	0.648	0.765
7.8	0.000	0.004	0.016	0.048	0.112	0.210	0.338	0.481	0.620	0.741
8.0	0.000	0.003	0.014	0.042	0.100	0.191	0.313	0.453	0.593	0.717
8.2	0.000	0.002	0.009	0.030	0.074	0.150	0.256	0.386	0.523	0.653
8.4	0.000	0.001	0.006	0.021	0.055	0.115	0.207	0.324	0.456	0.587
8.6	0.000	0.001	0.004	0.015	0.040	0.089	0.165	0.269	0.392	0.522
8.8	0.000	0.000	0.003	0.010	0.029	0.067	0.130	0.220	0.333	0.458
9.0	0.000	0.000	0.002	0.008	0.022	0.052	0.100	0.170	0.260	0.360
9.2	0.000	0.000	0.001	0.006	0.018	0.042	0.080	0.130	0.200	0.280
9.4	0.000	0.000	0.001	0.004	0.012	0.028	0.050	0.080	0.120	0.170
9.6	0.000	0.000	0.000	0.003	0.009	0.020	0.035	0.050	0.070	0.100
9.8	0.000	0.000	0.000	0.001	0.004	0.010	0.018	0.025	0.035	0.050
10.0	0.000	0.000	0.000	0.000	0.002	0.005	0.009	0.012	0.015	0.020
10.2	0.949	0.975	0.989	0.995	0.998	0.999	1.000			
10.4	0.939	0.969	0.986	0.994	0.997	0.999	1.000			
10.6	0.927	0.963	0.982	0.992	0.997	0.999	1.000			
10.8	0.915	0.955	0.978	0.990	0.996	0.998	0.999	1.000		
11.0	0.901	0.947	0.973	0.987	0.994	0.998	0.999	1.000		
11.2	0.887	0.937	0.967	0.984	0.993	0.997	0.999	1.000		
11.4	0.871	0.926	0.961	0.980	0.991	0.996	0.998	0.999	1.000	
11.6	0.854	0.915	0.954	0.976	0.989	0.995	0.998	0.999	1.000	
11.8	0.835	0.902	0.945	0.971	0.986	0.993	0.997	0.999	1.000	
12.0	0.816	0.888	0.936	0.966	0.983	0.992	0.996	0.998	0.999	1.000
12.2	0.793	0.869	0.920	0.952	0.970	0.980	0.986	0.990	0.995	0.999
12.4	0.768	0.848	0.902	0.936	0.956	0.967	0.974	0.979	0.984	0.989
12.6	0.741	0.824	0.880	0.916	0.					