T-6 Tables

TABLE C

Binomial probabilities

				En	try is $P(X =$	$=k) = \binom{n}{k}p$	$p^k(1-p)^{n-k}$			
						р				
п	k	.01	.02	.03	.04	.05	.06	.07	.08	.09
2	0	.9801	.9604	.9409	.9216	.9025	.8836	.8649	.8464	.8281
	1	.0198	.0392	.0582	.0768	.0950	.1128	.1302	.1472	.1638
	2	.0001	.0004	.0009	.0016	.0025	.0036	.0049	.0064	.0081
3	0	.9703	.9412	.9127	.8847	.8574	.8306	.8044	.7787	.7536
	1	.0294	.0576	.0847	.1106	.1354	.1590			.2236
	2	.0003	.0012	.0026	.0046	.0071	.0102			.0221
	3				.0001	.0001	.0002	.1816 .2031 .0137 .0177 .0003 .0005 .7481 .7164 .2252 .2492 .0254 .0325 .0013 .0019 .6957 .6591 .2618 .2866 .0394 .0498 .0030 .0043 .0001 .0002 .6470 .6064 .2922 .3164 .0550 .0688 .0055 .0080 .0003 .0005	.0007	
4	0	.9606	.9224	.8853	.8493	.8145	.7807			.6857
	1	.0388	.0753	.1095	.1416	.1715	.1993			.2713
	2	.0006	.0023	.0051	.0088	.0135	.0191			.0402
	3 4			.0001	.0002	.0005	.0008	.0013	.0019	.0027 .0001
5	0	.9510	.9039	.8587	.8154	.7738	.7339	.6957	.6591	.6240
	1	.0480	.0922	.1328	.1699	.2036	.2342	.2618		.3086
	2	.0010	.0038	.0082	.0142	.0214	.0299			.0610
	2 3 4		.0001	.0003	.0006	.0011	.0019			.0060
	4 5						.0001	.0001	.0002	.0003
6	0	.9415	.8858	.8330	.7828	.7351	.6899	.6470	.6064	.5679
	1	.0571	.1085	.1546	.1957	.2321	.2642	.2922	.3164	.3370
	2 3	.0014	.0055	.0120	.0204	.0305	.0422			.0833
	3		.0002	.0005	.0011	.0021	.0036			.0110
	4 5					.0001	.0002	.0003	.0005	.0008
	5 6									
7	0	.9321	.8681	.8080	.7514	.6983	.6485	.6017	.5578	.5168
	1	.0659	.1240	.1749	.2192	.2573	.2897	.3170	.3396	.3578
	2	.0020	.0076	.0162	.0274	.0406	.0555	.0716	.0886	.1061
	2 3 4		.0003	.0008	.0019	.0036	.0059 .0004	.0090 .0007	.0128	.0175 .0017
	4 5				.0001	.0002	.0004	.0007	.0011 .0001	.00017
	6								.0001	.0001
0	7	0227	0E00	7027	7214	6624	6006	EEQ4	5122	4702
8	0 1	.9227 .0746	.8508 .1389	.7837 .1939	.7214 .2405	.6634 .2793	.6096 .3113	.5596 .3370	.5132 .3570	.4703 .3721
		.0026	.1389	.0210	.2405	.0515	.0695	.0888	.1087	.1288
	2 3	.0001	.0004	.0013	.0029	.0054	.0089	.0134	.0189	.0255
	4			.00013	.0002	.0004	.0007	.0013	.0021	.0031
	5							.0001	.0001	.0002
	6									
	7									
	8									

Binomial probabilities (continued)

				Er	Entry is $P(X = k) = \binom{n}{k} p^k (1 - p)^{n-k}$							
						р						
п	k	.10	.15	.20	.25	.30	.35	.40	.45	.50		
2	0	.8100	.7225	.6400	.5625	.4900	.4225	.3600	.3025	.2500		
	1	.1800	.2550	.3200	.3750	.4200	.4550	.4800	.4950	.5000		
	2 .0100	.0100	.0225	.0400	.0625	.0900	.1225	.1600	.2025	.2500		
3	0	.7290	.6141	.5120	.4219	.3430	.2746	.2160	.1664	.1250		
	1	.2430	.3251	.3840	.4219	.4410	.4436	.4320	.4084	.3750		
	2 3	.0270	.0574	.0960	.1406	.1890	.2389	.2880	.3341	.3750		
	3	.0010	.0034	.0080	.0156	.0270	.0429	.0640	.0911	.1250		
4	0	.6561	.5220	.4096	.3164	.2401	.1785	.1296	.0915	.0625		
	1	.2916	.3685	.4096	.4219	.4116	.3845	.3456	.2995	.2500		
	2	.0486	.0975	.1536	.2109	.2646	.3105	.3456	.3675	.3750		
	3	.0036	.0115	.0256	.0469	.0756	.1115	.1536	.2005	.2500		
	4	.0001	.0005	.0016	.0039	.0081	.0150	.0256	.0410	.0625		
5	0	.5905	.4437	.3277	.2373	.1681	.1160	.0778	.0503	.0313		
		.3280	.3915	.4096	.3955	.3602	.3124	.2592	.2059	.1563		
	1 2 3	.0729	.1382	.2048	.2637	.3087	.3364	.3456	.3369	.3125		
	3	.0081	.0244	.0512	.0879	.1323	.1811	.2304	.2757	.3125		
	4	.0004	.0022	.0064	.0146	.0284	.0488	.0768	.1128	.1562		
	5		.0001	.0003	.0010	.0024	.0053	.0102	.0185	.0312		
6	0	.5314	.3771	.2621	.1780	.1176	.0754	.0467	.0277	.0156		
	1	.3543	.3993	.3932	.3560	.3025	.2437	.1866	.1359	.0938		
	2 3	.0984	.1762	.2458	.2966	.3241	.3280	.3110	.2780	.2344		
	3	.0146	.0415	.0819	.1318	.1852	.2355	.2765	.3032	.3125		
	4	.0012	.0055	.0154	.0330	.0595	.0951	.1382	.1861	.2344		
	5	.0001	.0004	.0015	.0044	.0102	.0205	.0369	.0609	.0937		
	6			.0001	.0002	.0007	.0018	.0041	.0083	.0156		
7	0	.4783	.3206	.2097	.1335	.0824	.0490	.0280	.0152	.0078		
	1	.3720	.3960	.3670	.3115	.2471	.1848	.1306	.0872	.0547		
	2	.1240	.2097	.2753	.3115	.3177	.2985	.2613	.2140	.1641		
	3	.0230	.0617	.1147	.1730	.2269	.2679	.2903	.2918	.2734		
	4	.0026	.0109	.0287	.0577	.0972	.1442	.1935	.2388	.2734		
	5 6	.0002	.0012	.0043	.0115	.0250	.0466	.0774	.1172	.1641		
	6		.0001	.0004	.0013	.0036	.0084	.0172	.0320	.0547		
	7				.0001	.0002	.0006	.0016	.0037	.0078		
8	0	.4305	.2725	.1678	.1001	.0576	.0319	.0168	.0084	.0039		
	1	.3826	.3847	.3355	.2670	.1977	.1373	.0896	.0548	.0313		
		.1488	.2376	.2936	.3115	.2965	.2587	.2090	.1569	.1094		
	2 3 4	.0331	.0839	.1468	.2076	.2541	.2786	.2787	.2568	.2188		
	4	.0046	.0185	.0459	.0865	.1361	.1875	.2322	.2627	.2734		
	5	.0004	.0026	.0092	.0231	.0467	.0808	.1239	.1719	.2188		
	6		.0002	.0011	.0038	.0100	.0217	.0413	.0703	.1094		
	7			.0001	.0004	.0012	.0033	.0079	.0164	.0312		
	8					.0001	.0002	.0007	.0017	.0039		

(Continued)

Binomial probabilities (continued)

				E	7602 .6925 .6302 .5730 .5204 .4722 .42 116 .2597 .2985 .3292 .3525 .3695 .38 1262 .0433 .0629 .0840 .1061 .1285 .15 1019 .0042 .0077 .0125 .0186 .0261 .03 1001 .0003 .0006 .0012 .0021 .0034 .00										
						p									
п	k	.01	.02	.03	.04	.05	.06	.07	.08	.09					
9	0 1 2 3 4 5 6 7 8 9	.9135 .0830 .0034 .0001	.8337 .1531 .0125 .0006	.7602 .2116 .0262 .0019 .0001	.2597 .0433 .0042	.2985 .0629 .0077	.3292 .0840 .0125 .0012	.3525 .1061 .0186 .0021	.3695 .1285 .0261 .0034	.4279 .3809 .1507 .0348 .0052 .0005					
10	0 1 2 3 4 5 6 7 8 9 10	.9044 .0914 .0042 .0001	.8171 .1667 .0153 .0008	.7374 .2281 .0317 .0026 .0001	.6648 .2770 .0519 .0058 .0004	.5987 .3151 .0746 .0105 .0010 .0001	.5386 .3438 .0988 .0168 .0019 .0001	.4840 .3643 .1234 .0248 .0033 .0003	.4344 .3777 .1478 .0343 .0052 .0005	.3894 .3851 .1714 .0452 .0078 .0009 .0001					
12	0 1 2 3 4 5 6 7 8 9 10 11 12	.8864 .1074 .0060 .0002	.7847 .1922 .0216 .0015 .0001	.6938 .2575 .0438 .0045 .0003	.6127 .3064 .0702 .0098 .0009 .0001	.5404 .3413 .0988 .0173 .0021 .0002	.4759 .3645 .1280 .0272 .0039 .0004	.4186 .3781 .1565 .0393 .0067 .0008 .0001	.3677 .3837 .1835 .0532 .0104 .0014 .0001	.3225 .3827 .2082 .0686 .0153 .0024 .0003					
15	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	.8601 .1303 .0092 .0004	.7386 .2261 .0323 .0029 .0002	.6333 .2938 .0636 .0085 .0008 .0001	.5421 .3388 .0988 .0178 .0022 .0002	.4633 .3658 .1348 .0307 .0049 .0006	.3953 .3785 .1691 .0468 .0090 .0013 .0001	.3367 .3801 .2003 .0653 .0148 .0024 .0003	.2863 .3734 .2273 .0857 .0223 .0043 .0006 .0001	.2430 .3605 .2496 .1070 .0317 .0069 .0011 .0001					

Binomial probabilities (continued)

			Entry is $P(X = k) = \binom{n}{k} p^k (1-p)^{n-k}$										
						p							
п	k	.10	.15	.20	.25	.30	.35	.40	.45	.50			
9	0	.3874	.2316	.1342	.0751	.0404	.0207	.0101	.0046	.0020			
	1	.3874	.3679	.3020	.2253	.1556	.1004	.0605	.0339	.0176			
	2	.1722	.2597	.3020	.3003	.2668	.2162	.1612	.1110	.0703			
	3	.0446	.1069	.1762	.2336	.2668	.2716	.2508	.2119	.1641			
	4	.0074	.0283	.0661	.1168	.1715	.2194	.2508	.2600	.2461			
	5	.0008	.0050	.0165	.0389	.0735	.1181	.1672	.2128	.2461			
	6	.0001	.0006	.0028	.0087	.0210	.0424	.0743	.1160	.1641			
	7			.0003	.0012	.0039	.0098	.0212	.0407	.0703			
	8				.0001	.0004	.0013	.0035	.0083	.0176			
	9						.0001	.0003	.0008	.0020			
10	0	.3487	.1969	.1074	.0563	.0282	.0135	.0060	.0025	.0010			
	1	.3874	.3474	.2684	.1877	.1211	.0725	.0403	.0207	.0098			
	2	.1937	.2759	.3020	.2816	.2335	.1757	.1209	.0763	.0439			
	3	.0574	.1298	.2013	.2503	.2668	.2522	.2150	.1665	.1172			
	4	.0112	.0401	.0881	.1460	.2001	.2377	.2508	.2384	.2051			
	5 6	.0015	.0085	.0264	.0584	.1029	.1536	.2007	.2340	.2461			
	6	.0001	.0012	.0055	.0162	.0368	.0689	.1115	.1596	.2051			
	7		.0001	.0008	.0031	.0090	.0212	.0425	.0746	.1172			
	8			.0001	.0004	.0014	.0043	.0106	.0229	.0439			
	9					.0001	.0005	.0016	.0042	.0098			
	10							.0001	.0003	.0010			
12	0	.2824	.1422	.0687	.0317	.0138	.0057	.0022	.0008	.0002			
	1	.3766	.3012	.2062	.1267	.0712	.0368	.0174	.0075	.0029			
	2	.2301	.2924	.2835	.2323	.1678	.1088	.0639	.0339	.0161			
	3	.0852	.1720	.2362	.2581	.2397	.1954	.1419	.0923	.0537			
	4	.0213	.0683	.1329	.1936	.2311	.2367	.2128	.1700	.1208			
	5	.0038	.0193	.0532	.1032	.1585	.2039	.2270	.2225	.1934			
	6	.0005	.0040	.0155	.0401	.0792	.1281	.1766	.2124	.2256			
	7		.0006	.0033	.0115	.0291	.0591	.1009	.1489	.1934			
	8		.0001	.0005	.0024	.0078	.0199	.0420	.0762	.1208			
	9			.0001	.0004	.0015	.0048	.0125	.0277	.0537			
	10					.0002	.0008	.0025	.0068	.0161			
	11						.0001	.0003	.0010	.0029			
	12								.0001	.0002			
15	0	.2059	.0874	.0352	.0134	.0047	.0016	.0005	.0001	.0000			
	1	.3432	.2312	.1319	.0668	.0305	.0126	.0047	.0016	.0005			
	2	.2669	.2856	.2309	.1559	.0916	.0476	.0219	.0090	.0032			
	3	.1285	.2184	.2501	.2252	.1700	.1110	.0634	.0318	.0139			
	4	.0428	.1156	.1876	.2252	.2186	.1792	.1268	.0780	.0417			
	5	.0105	.0449	.1032	.1651	.2061	.2123	.1859	.1404	.0916			
	6	.0019	.0132	.0430	.0917	.1472	.1906	.2066	.1914	.1527			
	7	.0003	.0030	.0138	.0393	.0811	.1319	.1771	.2013	.1964			
	8		.0005	.0035	.0131	.0348	.0710	.1181	.1647	.1964			
	9		.0001	.0007	.0034	.0116	.0298	.0612	.1048	.1527			
	10			.0001	.0007	.0030	.0096	.0245	.0515	.0916			
	11				.0001	.0006	.0024	.0074	.0191	.0417			
	12					.0001	.0004	.0016	.0052	.0139			
	13						.0001	.0003	.0010	.0032			
	14								.0001	.0005			
	15												

(Continued)

Binomial probabilities (continued)

						р				
п	k	.01	.02	.03	.04	.05	.06	.07	.08	.09
20	0	.8179	.6676	.5438	.4420	.3585	.2901	.2342	.1887	.1516
	1	.1652	.2725	.3364	.3683	.3774	.3703	.3526	.3282	.3000
	2 3	.0159	.0528	.0988	.1458	.1887	.2246	.2521	.2711	.2818
	3	.0010	.0065	.0183	.0364	.0596	.0860	.1139	.1414	.1672
	4		.0006	.0024	.0065	.0133	.0233	.0364	.0523	.0703
	5			.0002	.0009	.0022	.0048	.0088	.0145	.0222
	6				.0001	.0003	.0008	.0017	.0032	.0055
	7						.0001	.0002	.0005	.0011
	8								.0001	.0002
	9									
	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									

						p				
п	k	.10	.15	.20	.25	.30	.35	.40	.45	.50
20	0	.1216	.0388	.0115	.0032	.0008	.0002	.0000	.0000	.0000
	1	.2702	.1368	.0576	.0211	.0068	.0020	.0005	.0001	.0000
	2	.2852	.2293	.1369	.0669	.0278	.0100	.0031	.0008	.0002
	3	.1901	.2428	.2054	.1339	.0716	.0323	.0123	.0040	.0011
	4	.0898	.1821	.2182	.1897	.1304	.0738	.0350	.0139	.0046
	5	.0319	.1028	.1746	.2023	.1789	.1272	.0746	.0365	.0148
	6	.0089	.0454	.1091	.1686	.1916	.1712	.1244	.0746	.0370
	7	.0020	.0160	.0545	.1124	.1643	.1844	.1659	.1221	.0739
	8	.0004	.0046	.0222	.0609	.1144	.1614	.1797	.1623	.1201
	9	.0001	.0011	.0074	.0271	.0654	.1158	.1597	.1771	.1602
	10		.0002	.0020	.0099	.0308	.0686	.1171	.1593	.1762
	11			.0005	.0030	.0120	.0336	.0710	.1185	.1602
	12			.0001	.0008	.0039	.0136	.0355	.0727	.1201
	13				.0002	.0010	.0045	.0146	.0366	.0739
	14					.0002	.0012	.0049	.0150	.0370
	15						.0003	.0013	.0049	.0148
	16							.0003	.0013	.0046
	17								.0002	.0011
	18									.0002
	19									
	20									