

جدول II : توزیع بواسون

r	μ								
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	0.9048	0.8187	0.7408	0.6730	0.6065	0.5488	0.4966	0.4493	0.4066
1	0.0953	0.9825	0.9631	0.9384	0.9098	0.8781	0.8442	0.8088	0.7725
2	0.9998	0.9989	0.9964	0.9921	0.9856	0.9769	0.9659	0.9526	0.9371
3	1.0000	1.0000	0.9997	0.9992	0.9982	0.9966	0.9942	0.9909	0.9855
4			1.0000	0.9999	0.9998	0.9996	0.9992	0.9986	0.9977
5				1.0000	1.0000	1.0000	0.9999	0.9998	0.9997
6					1.0000	1.0000	1.0000	1.0000	1.0000

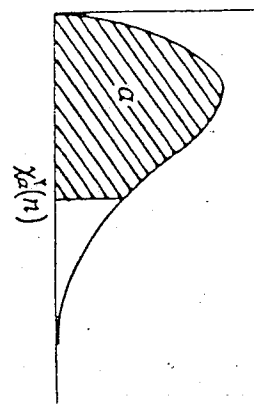
r	μ									
	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
0	0.3679	0.2231	0.1353	0.0821	0.0498	0.0302	0.0183	0.0111	0.0067	
1	0.7358	0.5578	0.4060	0.2873	0.1991	0.1359	0.0916	0.0611	0.0404	
2	0.9197	0.8088	0.6767	0.5438	0.4232	0.3308	0.2381	0.1736	0.1247	
3	0.9810	0.9344	0.8571	0.7576	0.6472	0.5366	0.4335	0.3423	0.2650	
4	0.9963	0.9814	0.9473	0.8912	0.8153	0.7254	0.6288	0.5321	0.4405	
5	0.9994	0.9955	0.9858	0.9588	0.9161	0.8576	0.7851	0.7029	0.6160	
6	0.9999	0.9991	0.9955	0.9858	0.9665	0.9347	0.8893	0.8311	0.7622	
7	1.0000	0.9998	0.9989	0.9958	0.9881	0.9733	0.9489	0.9134	0.8666	
8		1.0000	0.9998	0.9989	0.9962	0.9901	0.9786	0.9597	0.9319	
9			1.0000	0.9997	0.9989	0.9967	0.9919	0.9829	0.9653	
10				0.9999	0.9997	0.9990	0.9972	0.9933	0.9863	
11				1.0000	0.9999	0.9997	0.9991	0.9976	0.9945	
12					1.0000	0.9999	0.9997	0.9992	0.9980	
13						1.0000	0.9999	0.9997	0.9993	
14							1.0000	0.9999	0.9998	
15								1.0000	0.9999	
16									1.0000	

جدول I : توزیع دو جمله‌ای

n	r	p																	
		0.10	0.20	0.25	0.30	0.40	0.50	0.60	0.70	0.80	0.90								
5	0	0.5905	0.3277	0.2373	0.1681	0.0778	0.0312	0.0102	0.0024	0.0003	0.0000								
	1	0.9185	0.7373	0.6328	0.5322	0.3370	0.1875	0.0870	0.0306	0.0079	0.0000								
10	0	0.9914	0.9421	0.8965	0.8369	0.7626	0.6700	0.5618	0.4379	0.3086									
	1	0.9995	0.9933	0.9844	0.9692	0.9130	0.8125	0.6830	0.5272	0.3612									
15	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.7361	0.1074	0.0563	0.0282	0.0060	0.0010	0.0001	0.0000	0.0000									
20	0	0.9298	0.6778	0.5256	0.3828	0.1673	0.0547	0.0123	0.0016	0.0000									
	1	0.9872	0.8791	0.7759	0.6496	0.3823	0.1719	0.0548	0.0106	0.0000									
25	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
30	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
35	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
40	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
45	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
50	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
55	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
60	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
65	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
70	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
75	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
80	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
85	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
90	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
95	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
100	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
105	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
110	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
115	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
120	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
125	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
130	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
135	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
140	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
145	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
150	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
155	0	0.9097	0.9819	0.9434	0.9389	0.9434	0.9500	0.9698	0.9819	0.9908									
	1	1.0000	0.9992	0.9958	0.9827	0.9652	0.9491	0.9356	0.9244	0.9142									
160	0	1.0000	0.9999	0.9995	0.9992	0.9987	0.9982	0.9978	0.9975	0.9973									
	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
165	0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000									
	1	0.2059	0.0352	0.0134	0.0047	0.0005	0.0000	0.0000	0.0000	0.0000									
170	0	0.5490	0.1671	0.0802	0.0353	0.0052	0.0005	0.0000	0.0000	0.0000									
	1	0.8159	0.3980	0.2361	0.1268	0.0271	0.0037	0.0003	0.0000	0.0000									
175	0	0.9444	0.6482	0.4613	0.2173	0.0905	0.0176	0.0019	0.0000	0.0000									
	1	0.9873	0.8338	0.6865	0.5155	0.2173	0.0592	0.0094	0.0007	0.0000									
180	0																		

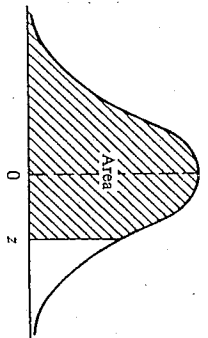


جدول IV : توزیع مربع کای



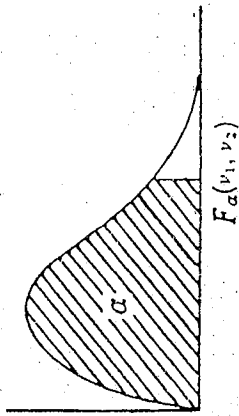
$\pi$	$\chi^2_{.995}$	$\chi^2_{.99}$	$\chi^2_{.975}$	$\chi^2_{.95}$	$\chi^2_{.9}$	$\chi^2_{.8}$	$\chi^2_{.7}$	$\chi^2_{.6}$	$\chi^2_{.5}$	$\chi^2_{.4}$	$\chi^2_{.3}$	$\chi^2_{.2}$	$\chi^2_{.1}$	$\chi^2_{.05}$	$\chi^2_{.025}$	$\chi^2_{.01}$	$\chi^2_{.005}$
1	7.88	6.63	5.02	3.84	2.71	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
2	10.6	9.21	7.38	5.99	4.61	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
3	12.8	11.3	9.35	7.81	6.25	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11
4	14.9	13.3	11.1	9.49	7.78	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39
5	16.7	15.1	12.8	11.1	9.24	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63
6	18.5	16.8	14.4	12.6	10.6	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84
7	20.3	18.5	16.0	14.1	12.0	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
8	22.0	20.1	17.5	15.5	13.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
9	23.6	21.7	19.0	16.9	14.7	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
10	25.2	23.2	20.5	18.3	16.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
11	26.8	24.7	21.9	19.7	17.3	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
12	28.3	26.2	23.3	21.0	18.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
13	29.8	27.7	24.7	22.4	19.8	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
14	31.3	29.1	26.1	23.7	21.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
15	32.8	30.6	27.5	25.0	22.3	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
16	34.3	32.0	28.8	26.3	23.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
17	35.7	33.4	30.2	27.6	24.8	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
18	37.2	34.8	31.5	28.9	26.0	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
19	38.6	36.2	32.9	30.1	27.2	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
20	40.0	37.6	34.2	31.4	28.4	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
21	41.4	38.9	35.5	32.7	29.6	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
22	42.8	40.3	36.8	33.9	30.8	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
23	44.2	41.6	38.1	35.2	32.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
24	45.6	43.0	39.4	36.4	33.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
25	46.9	44.3	40.6	37.7	34.4	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
26	48.3	45.6	41.9	38.9	35.6	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
27	49.6	47.0	43.2	40.1	36.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
28	51.0	48.3	44.5	41.3	37.9	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
29	52.3	49.6	45.7	42.6	39.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
30	53.7	50.9	47.0	43.8	40.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
40	66.8	63.7	59.3	55.8	51.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
50	78.5	76.2	71.4	67.5	63.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
60	92.0	88.4	83.3	79.1	74.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
70	104.2	100.4	95.0	90.5	86.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
80	118.3	113.3	106.6	101.9	96.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
90	128.3	124.1	118.1	113.1	107.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
100	140.2	135.8	129.6	124.3	118.5	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1

جدول III : توزیع نرمال



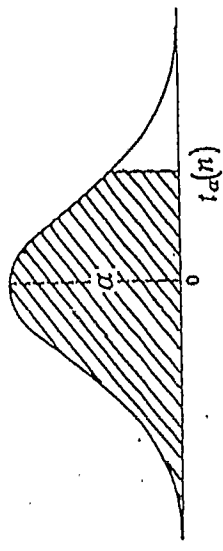
z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
-3.4	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
-3.3	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
-3.2	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
-3.1	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
-3.0	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
-2.9	0.0019	0.0018	0.0017	0.0017	0.0016	0.0016	0.0015	0.0015	0.0014	0.0014
-2.8	0.0026	0.0025	0.0024	0.0023	0.0023	0.0022	0.0021	0.0021	0.0020	0.0020
-2.7	0.0035	0.0034	0.0033	0.0032	0.0031	0.0031	0.0030	0.0030	0.0029	0.0029
-2.6	0.0047	0.0045	0.0044	0.0043	0.0041	0.0041	0.0040	0.0040	0.0039	0.0039
-2.5	0.0062	0.0060	0.0059	0.0057	0.0055	0.0054	0.0053	0.0052	0.0051	0.0051
-2.4	0.0082	0.0080	0.0078	0.0077	0.0075	0.0073	0.0072	0.0071	0.0070	0.0070
-2.3	0.0107	0.0104	0.0102	0.0101	0.0099	0.0097	0.0095	0.0094	0.0093	0.0093
-2.2	0.0139	0.0136	0.0132	0.0129	0.0126	0.0122	0.0119	0.0116	0.0113	0.0110
-2.1	0.0179	0.0174	0.0170	0.0166	0.0162	0.0157	0.0154	0.0150	0.0146	0.0143
-2.0	0.0228	0.0222	0.0217	0.0212	0.0207	0.0202	0.0197	0.0192	0.0188	0.0185
-1.9	0.0287	0.0281	0.0274	0.0268	0.0262	0.0256	0.0250	0.0244	0.0239	0.0234
-1.8	0.0359	0.0352	0.0344	0.0336	0.0328	0.0321	0.0314	0.0307	0.0301	0.0294
-1.7	0.0446	0.0436	0.0427	0.0418	0.0409	0.0401	0.0392	0.0384	0.0375	0.0367
-1.6	0.0548	0.0537	0.0526	0.0516	0.0505	0.0495	0.0485	0.0475	0.0465	0.0455
-1.5	0.0668	0.0655	0.0643	0.0630	0.0618	0.0606	0.0594	0.0582	0.0571	0.0560
-1.4	0.0808	0.0793	0.0778	0.0764	0.0749	0.0733	0.0717	0.0702	0.0689	0.0674
-1.3	0.0968	0.0951	0.0934	0.0918	0.0901	0.0885	0.0869	0.0853	0.0838	0.0823
-1.2	0.1151	0.1131	0.1112	0.1093	0.1075	0.1056	0.1038	0.1020	0.1003	0.0985
-1.1	0.1357	0.1335	0.1314	0.1292	0.1271	0.1251	0.1230	0.1210	0.1190	0.1170
-1.0	0.1587	0.1562	0.1539	0.1515	0.1492	0.1469	0.1446	0.1423	0.1401	0.1379
-0.9	0.1841	0.1814	0.1788	0.1762	0.1736	0.1711	0.1685	0.1660	0.1635	0.1611
-0.8	0.2119	0.2089	0.2061	0.2033	0.2005	0.1977	0.1949	0.1922	0.1894	0.1867
-0.7	0.2420	0.2389	0.2358	0.2327	0.2296	0.2264	0.2232	0.2200	0.2167	0.2134
-0.6	0.2743	0.2709	0.2676	0.2643	0.2611	0.2578	0.2545	0.2512	0.2479	0.2446
-0.5	0.3085	0.3049	0.3015	0.2981	0.2946	0.2911	0.2877	0.2843	0.2810	0.2776
-0.4	0.3446	0.3408	0.3372	0.3336	0.3300	0.3264	0.3228	0.3192	0.3156	0.3121
-0.3	0.3837	0.3783	0.3745	0.3707	0.3669	0.3632	0.3594	0.3557	0.3520	0.3483
-0.2	0.4267	0.4198	0.4129	0.4062	0.4013	0.3974	0.3936	0.3897	0.3859	0.3821
-0.1	0.4662	0.4582	0.4522	0.4484	0.4443	0.4404	0.4365	0.4326	0.4286	0.4247
0.0	0.5000	0.4960	0.4920	0.4880	0.4840	0.4801	0.4761	0.4721	0.4681	0.4641
0.1	0.5400	0.5359	0.5317	0.5274	0.5232	0.5190	0.5148	0.5106	0.5064	0.5022
0.2	0.5808	0.5756	0.5712	0.5669	0.5626	0.5583	0.5540	0.5497	0.5454	0.5411
0.3	0.6215	0.6151	0.6097	0.6043	0.5990	0.5936	0.5882	0.5828	0.5774	0.5720
0.4	0.6634	0.6559	0.6492	0.6428	0.6364	0.6300	0.6236	0.6172	0.6108	0.6044
0.5	0.6915	0.6830	0.6754	0.6680	0.6605	0.6530	0.6455	0.6380	0.6305	0.6230
0.6	0.7158	0.7061	0.6984	0.6907	0.6829	0.6752	0.6674	0.6596	0.6518	0.6440
0.7	0.7374	0.7274	0.7194	0.7113	0.7032	0.6951	0.6870	0.6789	0.6707	0.6626
0.8	0.7580	0.7477	0.7394	0.7311	0.7228	0.7144	0.7061	0.6977	0.6894	0.6811
0.9	0.7781	0.7675	0.7590	0.7504	0.7418					

جدول VI : توزیع  $F_{\alpha/9}$



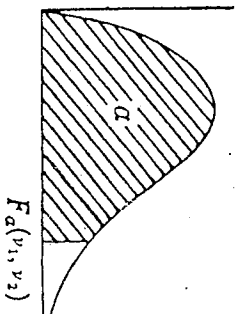
		NUMERATOR DEGREES OF FREEDOM								
$v_1$	$v_2$	1	2	3	4	5	6	7	8	9
1	1	39.86	49.50	53.59	55.83	57.24	58.20	58.91	59.44	59.86
2	2	8.53	9.00	9.16	9.24	9.29	9.33	9.35	9.37	9.38
3	3	5.54	5.46	5.39	5.34	5.31	5.28	5.27	5.25	5.24
4	4	4.54	4.32	4.19	4.11	4.05	4.01	3.98	3.95	3.94
5	5	4.06	3.78	3.62	3.52	3.45	3.40	3.37	3.34	3.32
6	6	3.78	3.46	3.29	3.18	3.11	3.05	3.01	2.98	2.96
7	7	3.59	3.26	3.07	2.96	2.88	2.83	2.78	2.75	2.72
8	8	3.46	3.11	2.92	2.81	2.73	2.67	2.62	2.59	2.56
9	9	3.36	3.01	2.81	2.69	2.61	2.55	2.51	2.47	2.44
10	10	3.29	2.92	2.73	2.61	2.52	2.46	2.41	2.38	2.35
11	11	3.23	2.86	2.66	2.54	2.45	2.39	2.34	2.30	2.27
12	12	3.18	2.81	2.61	2.48	2.39	2.33	2.28	2.24	2.21
13	13	3.14	2.76	2.56	2.43	2.35	2.28	2.23	2.20	2.16
14	14	3.10	2.73	2.52	2.39	2.31	2.24	2.19	2.15	2.12
15	15	3.07	2.70	2.49	2.36	2.27	2.21	2.16	2.12	2.09
16	16	3.05	2.67	2.46	2.33	2.24	2.18	2.13	2.09	2.06
17	17	3.03	2.64	2.44	2.31	2.22	2.15	2.10	2.06	2.03
18	18	3.01	2.62	2.42	2.29	2.20	2.13	2.08	2.04	2.00
19	19	2.99	2.61	2.40	2.27	2.18	2.11	2.06	2.02	1.98
20	20	2.97	2.59	2.38	2.25	2.16	2.09	2.04	2.00	1.96
21	21	2.96	2.57	2.36	2.23	2.14	2.08	2.02	1.98	1.95
22	22	2.95	2.56	2.35	2.22	2.13	2.06	2.01	1.97	1.93
23	23	2.94	2.55	2.34	2.21	2.11	2.05	1.99	1.95	1.92
24	24	2.93	2.54	2.33	2.19	2.10	2.04	1.98	1.94	1.91
25	25	2.92	2.53	2.32	2.18	2.09	2.02	1.97	1.93	1.89
26	26	2.91	2.52	2.31	2.17	2.08	2.01	1.96	1.92	1.88
27	27	2.90	2.51	2.30	2.17	2.07	2.00	1.95	1.91	1.87
28	28	2.89	2.50	2.29	2.16	2.06	2.00	1.94	1.90	1.87
29	29	2.88	2.50	2.28	2.15	2.05	1.99	1.93	1.89	1.86
30	30	2.88	2.49	2.28	2.14	2.04	1.98	1.92	1.88	1.85
40	40	2.84	2.44	2.23	2.09	2.00	1.93	1.87	1.83	1.79
60	60	2.79	2.39	2.18	2.04	1.95	1.87	1.82	1.77	1.74
120	120	2.75	2.35	2.13	1.99	1.90	1.82	1.77	1.72	1.68
∞	∞	2.71	2.30	2.08	1.94	1.85	1.77	1.72	1.67	1.63

جدول V : توزیع t



$n$	$t_{.995}$	$t_{.99}$	$t_{.975}$	$t_{.95}$	$t_{.9}$	$t_{.8}$	$t_{.75}$	$t_{.7}$	$t_{.6}$	$t_{.55}$
1	63.66	31.82	12.71	6.31	3.08	1.376	1.000	.727	.525	.458
2	9.92	6.96	4.30	2.92	1.89	1.061	.816	.617	.458	.412
3	5.84	4.54	3.18	2.35	1.64	.978	.765	.584	.458	.417
4	4.60	3.75	2.78	2.13	1.53	.941	.741	.569	.458	.434
5	4.03	3.36	2.57	2.02	1.48	.920	.727	.559	.458	.432
6	3.71	3.14	2.45	1.94	1.44	.906	.718	.553	.458	.431
7	3.50	3.00	2.36	1.90	1.42	.896	.711	.549	.458	.430
8	3.36	2.90	2.31	1.86	1.40	.889	.706	.546	.458	.429
9	3.25	2.82	2.26	1.83	1.38	.883	.703	.543	.458	.429
10	3.17	2.76	2.23	1.81	1.37	.879	.700	.542	.458	.429
11	3.11	2.72	2.20	1.80	1.36	.876	.697	.540	.458	.429
12	3.06	2.68	2.18	1.78	1.35	.873	.695	.539	.458	.428
13	3.01	2.65	2.16	1.77	1.35	.870	.694	.538	.458	.428
14	2.98	2.62	2.14	1.76	1.34	.868	.692	.537	.458	.428
15	2.95	2.60	2.13	1.75	1.34	.866	.691	.536	.458	.428
16	2.92	2.58	2.12	1.75	1.34	.865	.690	.535	.458	.428
17	2.90	2.57	2.11	1.74	1.33	.863	.689	.534	.458	.428
18	2.88	2.55	2.10	1.73	1.33	.862	.688	.534	.458	.427
19	2.86	2.54	2.09	1.73	1.33	.861	.688	.533	.458	.427
20	2.84	2.53	2.09	1.72	1.32	.860	.687	.533	.458	.427
21	2.83	2.52	2.08	1.72	1.32	.859	.686	.532	.458	.427
22	2.82	2.51	2.07	1.72	1.32	.858	.686	.532	.458	.427
23	2.81	2.50	2.07	1.71	1.32	.858	.685	.532	.458	.427
24	2.80	2.49	2.06	1.71	1.32	.857	.685	.531	.458	.427
25	2.79	2.48	2.06	1.71	1.32	.856	.684	.531	.458	.427
26	2.78	2.48	2.06	1.71	1.32	.856	.684	.531	.458	.427
27	2.77	2.47	2.05	1.70	1.31	.855	.684	.531	.458	.427
28	2.76	2.47	2.05	1.70	1.31	.855	.683	.530	.458	.427
29	2.76	2.46	2.04	1.70	1.31	.854	.683	.530	.458	.427
30	2.75	2.46	2.04	1.70	1.31	.854	.683	.530	.458	.427
40	2.70	2.42	2.02	1.68	1.30	.851	.681	.529	.458	.426
60	2.66	2.39	2.00	1.67	1.30	.848	.679	.527	.458	.426
120	2.62	2.36	1.98	1.66	1.29	.845	.677	.526	.458	.426
∞	2.58	2.33	1.96	1.645	1.28	.842	.674	.524	.458	.426

ادامه جدول VI : توزیع  $F_{\alpha/90}$

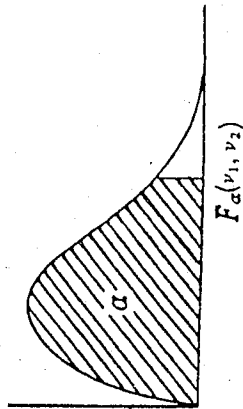


$v_1$	NUMERATOR DEGREES OF FREEDOM								
	1	2	3	4	5	6	7	8	9
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18
10	4.96	4.10	3.71	3.48	3.32	3.22	3.14	3.07	3.02
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90
12	4.75	3.89	3.49	3.26	3.11	2.99	2.91	2.85	2.80
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54
17	4.45	3.59	3.20	2.96	2.81	2.70	2.62	2.55	2.49
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.44	2.39
22	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37
24	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.39	2.34
26	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32
28	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30
30	4.24	3.39	3.00	2.76	2.60	2.49	2.40	2.33	2.28
40	4.22	3.37	2.99	2.74	2.59	2.47	2.39	2.32	2.27
60	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25
120	4.18	3.33	2.95	2.71	2.56	2.45	2.36	2.29	2.22
∞	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21
∞	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12
∞	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04
∞	3.92	3.07	2.68	2.45	2.29	2.17	2.09	2.02	1.96
∞	3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88

ادامه جدول VI : توزیع  $F_{\alpha/90}$

$v_1$	NUMERATOR DEGREES OF FREEDOM											
	10	12	15	20	24	30	40	60	120	∞		
1	60.19	60.71	61.22	61.74	62.00	62.26	62.53	62.79	63.06	63.33		
2	9.39	9.41	9.42	9.44	9.45	9.46	9.47	9.47	9.48	9.49		
3	5.23	5.22	5.20	5.18	5.18	5.17	5.16	5.15	5.14	5.13		
4	3.92	3.90	3.87	3.84	3.83	3.82	3.80	3.79	3.78	3.76		
5	3.30	3.27	3.24	3.21	3.19	3.17	3.16	3.14	3.12	3.10		
6	2.94	2.90	2.87	2.84	2.82	2.80	2.78	2.76	2.74	2.72		
7	2.70	2.67	2.65	2.59	2.58	2.56	2.54	2.51	2.49	2.47		
8	2.54	2.50	2.46	2.42	2.40	2.38	2.36	2.34	2.32	2.29		
9	2.42	2.38	2.34	2.30	2.28	2.25	2.23	2.21	2.18	2.16		
10	2.32	2.28	2.24	2.20	2.18	2.16	2.13	2.11	2.08	2.06		
11	2.25	2.21	2.17	2.12	2.10	2.08	2.05	2.03	2.00	1.97		
12	2.19	2.15	2.10	2.06	2.04	2.01	1.99	1.96	1.93	1.90		
13	2.14	2.10	2.05	2.01	1.98	1.96	1.93	1.90	1.88	1.85		
14	2.10	2.05	2.00	1.96	1.94	1.91	1.89	1.86	1.83	1.80		
15	2.06	2.02	1.97	1.92	1.90	1.87	1.84	1.82	1.79	1.76		
16	2.03	1.99	1.94	1.89	1.87	1.84	1.81	1.78	1.75	1.72		
17	2.00	1.96	1.91	1.86	1.84	1.81	1.78	1.75	1.72	1.69		
18	1.98	1.93	1.88	1.84	1.81	1.78	1.75	1.72	1.69	1.66		
19	1.96	1.91	1.86	1.81	1.79	1.76	1.73	1.70	1.67	1.64		
20	1.94	1.89	1.84	1.79	1.77	1.74	1.71	1.68	1.64	1.61		
22	1.90	1.86	1.81	1.76	1.73	1.70	1.67	1.64	1.60	1.57		
24	1.88	1.84	1.80	1.74	1.72	1.69	1.66	1.62	1.59	1.55		
26	1.87	1.83	1.78	1.73	1.70	1.67	1.64	1.61	1.57	1.53		
28	1.85	1.81	1.76	1.71	1.68	1.65	1.61	1.58	1.54	1.50		
30	1.84	1.79	1.74	1.69	1.66	1.63	1.59	1.55	1.51	1.48		
40	1.82	1.77	1.72	1.67	1.64	1.61	1.57	1.53	1.49	1.46		
60	1.76	1.71	1.66	1.61	1.57	1.54	1.51	1.47	1.42	1.38		
120	1.71	1.66	1.60	1.54	1.51	1.48	1.44	1.40	1.35	1.29		
∞	1.65	1.60	1.55	1.48	1.45	1.41	1.37	1.32	1.26	1.19		
∞	1.60	1.55	1.49	1.42	1.38	1.34	1.30	1.24	1.17	1.00		

ادامه جدول VI : توزیع  $F_{\alpha}(\nu_1, \nu_2)$



$\nu_1$	NUMERATOR DEGREES OF FREEDOM									
$\nu_2$	1	2	3	4	5	6	7	8	9	
1	4.052	4.999.5	5.403	5.625	5.764	5.859	5.928	5.982	6.022	
2	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39	
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35	
4	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66	
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	
6	13.75	10.92	9.78	9.15	8.75	8.47	8.26	8.10	7.98	
7	12.25	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72	
8	11.26	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91	
9	10.56	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35	
10	10.04	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94	
11	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63	
12	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.50	4.39	
13	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19	
14	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03	
15	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89	
16	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	
17	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	
18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60	
19	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	
20	8.10	5.85	4.94	4.43	4.10	3.87	3.70	3.56	3.46	
21	8.02	5.78	4.87	4.37	4.04	3.81	3.64	3.51	3.40	
22	7.95	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.34	
23	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	
24	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26	
25	7.77	5.57	4.66	4.18	3.85	3.63	3.46	3.32	3.22	
26	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.18	
27	7.68	5.49	4.60	4.11	3.78	3.56	3.39	3.26	3.15	
28	7.64	5.45	4.57	4.07	3.75	3.53	3.36	3.23	3.12	
29	7.60	5.42	4.54	4.04	3.73	3.50	3.33	3.20	3.09	
30	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.07	
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89	
60	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	
120	6.85	4.79	3.95	3.48	3.17	2.96	2.79	2.66	2.56	
$\infty$	6.63	4.61	3.78	3.32	3.02	2.80	2.64	2.51	2.41	

ادامه جدول VI : توزیع  $F_{\alpha}(\nu_1, \nu_2)$

$\nu_1$	NUMERATOR DEGREES OF FREEDOM									
$\nu_2$	10	12	15	20	24	30	40	60	120	$\infty$
1	241.9	243.9	245.9	248.0	249.1	250.1	251.1	252.2	253.3	254.3
2	19.40	19.41	19.43	19.45	19.45	19.46	19.47	19.48	19.49	19.50
3	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.57	8.55	8.53
4	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.69	5.66	5.63
5	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.36
6	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.74	3.70	3.67
7	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.30	3.27	3.23
8	3.34	3.28	3.22	3.15	3.12	3.08	3.04	3.01	2.97	2.93
9	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.79	2.75	2.71
10	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.62	2.58	2.54
11	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.49	2.45	2.40
12	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.38	2.34	2.30
13	2.60	2.60	2.53	2.46	2.42	2.38	2.34	2.30	2.25	2.21
14	2.54	2.53	2.46	2.39	2.35	2.31	2.27	2.22	2.18	2.13
15	2.54	2.48	2.40	2.33	2.29	2.25	2.20	2.16	2.11	2.07
16	2.49	2.42	2.35	2.28	2.24	2.19	2.15	2.10	2.06	2.01
17	2.45	2.38	2.31	2.23	2.19	2.15	2.10	2.06	2.02	1.96
18	2.41	2.34	2.27	2.19	2.15	2.11	2.06	2.02	1.97	1.92
19	2.38	2.31	2.23	2.16	2.11	2.07	2.03	1.98	1.93	1.88
20	2.35	2.28	2.20	2.12	2.08	2.04	1.99	1.95	1.90	1.84
21	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.89	1.84	1.78
22	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.89	1.84	1.78
23	2.27	2.20	2.13	2.05	2.01	1.96	1.91	1.86	1.81	1.76
24	2.25	2.18	2.11	2.03	1.98	1.94	1.89	1.84	1.79	1.73
25	2.24	2.16	2.09	2.01	1.96	1.92	1.87	1.82	1.77	1.71
26	2.22	2.15	2.07	1.99	1.95	1.90	1.85	1.80	1.75	1.69
27	2.20	2.12	2.06	1.97	1.93	1.88	1.84	1.79	1.73	1.67
28	2.19	2.12	2.04	1.96	1.91	1.87	1.82	1.77	1.71	1.65
29	2.18	2.10	2.03	1.94	1.90	1.85	1.81	1.75	1.70	1.64
30	2.16	2.09	2.01	1.93	1.89	1.84	1.79	1.74	1.68	1.62
40	2.08	2.00	1.92	1.84	1.79	1.74	1.69	1.64	1.58	1.51
60	1.99	1.92	1.84	1.75	1.70	1.65	1.59	1.53	1.47	1.39
120	1.91	1.83	1.75	1.66	1.61	1.55	1.50	1.43	1.35	1.25
$\infty$	1.83	1.75	1.67	1.57	1.52	1.46	1.39	1.32	1.22	1.00

Denominator Degrees of Freedom

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جدول VI : توزیع  $F_{\alpha/99}$

$p_1$	$p_2$	NUMERATOR DEGREES OF FREEDOM										
		10	12	15	20	24	30	40	60	120	$\infty$	
1		6056	6106	6157	6209	6235	6261	6287	6313	6339	6366	
2		9940	9942	9943	9945	9946	9947	9947	9948	9949	9950	
3		2723	2705	2687	2669	2660	2650	2641	2632	2622	2613	
4		1455	1437	1420	1402	1395	1384	1375	1365	1356	1346	
5		1005	989	972	955	947	938	929	920	911	902	
6		787	772	756	740	731	723	714	706	697	688	
7		662	647	631	616	607	599	591	582	574	565	
8		581	567	552	536	528	520	512	503	495	486	
9		526	511	496	481	473	465	457	448	440	431	
10		485	471	456	441	433	425	417	408	400	391	
11		454	440	425	410	402	394	386	378	369	360	
12		430	416	401	386	378	370	362	354	345	336	
13		410	396	382	366	359	351	343	334	325	317	
14		394	380	366	351	343	335	327	318	309	300	
15		380	367	352	337	329	321	313	305	296	287	
16		369	355	341	326	318	310	302	293	284	275	
17		359	346	331	316	308	300	292	283	274	266	
18		351	337	323	308	299	292	284	275	266	258	
19		343	330	315	300	292	284	276	267	258	249	
20		337	323	309	294	286	278	269	260	251	242	
21		331	317	303	288	280	272	263	254	245	236	
22		326	312	298	283	275	267	258	249	240	231	
23		321	307	293	278	270	262	253	244	235	226	
24		317	303	289	274	266	258	249	240	231	221	
25		313	299	285	270	262	254	245	236	227	217	
26		309	296	282	266	258	250	241	232	223	213	
27		306	293	278	263	255	247	238	229	220	210	
28		303	290	275	260	252	244	235	226	217	206	
29		300	287	273	257	249	241	232	223	214	203	
30		298	284	270	255	247	239	230	221	211	201	
40		280	266	252	237	229	220	211	202	192	180	
60		263	250	235	220	212	203	194	184	173	160	
120		247	234	219	203	195	186	176	166	153	138	
$\infty$		232	218	204	188	179	170	159	147	132	100	

