

TABLE I Critical values of chi square.

df	One-Variable $df = k - 1$		Two-Variable $df = (r - 1)(k - 1)$		
	.05	.01	df	.05	.01
1	3.84	6.64	16	26.30	32.00
2	5.99	9.21	17	27.59	33.41
3	7.82	11.34	18	28.87	34.80
4	9.49	13.28	19	30.14	36.19
5	11.07	15.09	20	31.41	37.57
6	12.59	16.81	21	32.67	38.93
7	14.07	18.48	22	33.92	40.29
8	15.51	20.09	23	35.17	41.64
9	16.92	21.67	24	36.42	42.98
10	18.31	23.21	25	37.65	44.31
11	19.68	24.72	26	38.88	45.64
12	21.03	26.22	27	40.11	46.96
13	22.36	27.69	28	41.34	48.28
14	23.68	29.14	29	42.56	49.59
15	25.00	30.58	30	43.77	50.89

Source: Abridged from Table IV of Fisher and Yates, *Statistical Tables for Biological, Agricultural, and Medical Research*, Longman Group Ltd., London (previously published by Oliver and Boyd Ltd., Edinburgh), and by permission of the authors and publishers.

TABLE J Values of  $T$  at the .05 and .01 levels of significance in the Wilcoxon signed-ranks test.

N	One-Variable		N	Two-Variable	
	.05	.01		.05	.01
6	0		16	30	20
7	2		17	35	23
8	4	0	18	40	28
9	6	2	19	46	32
10	8	3	20	52	38
11	11	5	21	59	43
12	14	7	22	66	49
13	17	10	23	73	55
14	21	13	24	81	58
15	25	16	25	89	61

Source: Abridged from Table I of G. Wilcoxon, *Some Rapid Approximate Statistical Procedures*, 1949, American Cyanamid Co., New York, with the permission of the publisher.