

TABLE B.8. Critical Values for Spearman's Rank Order Correlation Coefficient

df	Level of Significance of a One-Tailed or Directional Test					
	$H_0: \rho_S \leq 0$ or $H_0: \rho_S \geq 0$					
	$\alpha = 0.1$	$\alpha = 0.05$	$\alpha = 0.025$	$\alpha = 0.01$	$\alpha = 0.005$	$\alpha = 0.0005$
	Level of Significance of a Two-Tailed or Nondirectional Test					
	$H_0: \rho_S = 0$					
	$\alpha = 0.2$	$\alpha = 0.1$	$\alpha = 0.05$	$\alpha = 0.02$	$\alpha = 0.01$	$\alpha = 0.001$
2	1.000	1.000	—	—	—	—
3	0.800	0.900	1.000	1.000	—	—
4	0.657	0.829	0.886	0.943	1.000	—
5	0.571	0.714	0.786	0.893	0.929	1.000
6	0.524	0.643	0.738	0.833	0.881	0.976
7	0.483	0.600	0.700	0.783	0.833	0.933
8	0.455	0.564	0.648	0.745	0.794	0.903
9	0.427	0.536	0.618	0.709	0.755	0.873
10	0.406	0.503	0.587	0.678	0.727	0.846
11	0.385	0.484	0.560	0.648	0.703	0.824
12	0.367	0.464	0.538	0.626	0.679	0.802
13	0.354	0.446	0.521	0.604	0.654	0.779
14	0.341	0.429	0.503	0.582	0.635	0.762
15	0.328	0.414	0.485	0.566	0.615	0.748
16	0.317	0.401	0.472	0.550	0.600	0.728
17	0.309	0.391	0.460	0.535	0.584	0.712
18	0.299	0.380	0.447	0.520	0.570	0.696
19	0.292	0.370	0.435	0.508	0.556	0.681
20	0.284	0.361	0.425	0.496	0.544	0.667
21	0.278	0.353	0.415	0.486	0.532	0.654
22	0.271	0.344	0.406	0.476	0.521	0.642
23	0.265	0.337	0.398	0.466	0.511	0.630
24	0.259	0.331	0.390	0.457	0.501	0.619
25	0.255	0.324	0.382	0.448	0.491	0.608
26	0.250	0.317	0.375	0.440	0.483	0.598
27	0.245	0.312	0.368	0.433	0.475	0.589
28	0.240	0.306	0.362	0.425	0.467	0.580
29	0.236	0.301	0.356	0.418	0.459	0.571
30	0.232	0.296	0.350	0.412	0.452	0.563