

Table A9 The Pearson product-moment correlation coefficient

The table gives the critical values of the Pearson product-moment correlation coefficient, r , for different numbers of pairs of observations, N . For significance, the calculated value of r must be *greater than or equal to* the critical value.

	Significance level: two-tailed/non-directional			
	0.20	0.10	0.05	0.01
N	Significance level: one-tailed/directional			
	0.10	0.05	0.025	0.005
3	0.951	0.988	0.997	1.000
4	0.800	0.900	0.950	0.990
5	0.687	0.805	0.878	0.959
6	0.608	0.729	0.811	0.917
7	0.551	0.669	0.754	0.875
8	0.507	0.621	0.707	0.834
9	0.472	0.582	0.666	0.798
10	0.443	0.549	0.632	0.765
11	0.419	0.521	0.602	0.735
12	0.398	0.497	0.576	0.708
13	0.380	0.476	0.553	0.684
14	0.365	0.458	0.532	0.661
15	0.351	0.441	0.514	0.641
16	0.338	0.426	0.497	0.623
17	0.327	0.412	0.482	0.606
18	0.317	0.400	0.468	0.590
19	0.308	0.389	0.456	0.575
20	0.299	0.378	0.444	0.561
21	0.291	0.369	0.433	0.549
22	0.284	0.360	0.423	0.537
23	0.277	0.352	0.413	0.526
24	0.271	0.344	0.404	0.515
25	0.265	0.337	0.396	0.505
26	0.260	0.330	0.388	0.496
27	0.255	0.323	0.381	0.487
28	0.250	0.317	0.374	0.479
29	0.245	0.311	0.367	0.471
30	0.241	0.306	0.361	0.463
40	0.207	0.264	0.312	0.403
50	0.184	0.235	0.279	0.361
60	0.168	0.214	0.254	0.330
70	0.155	0.198	0.235	0.306
80	0.145	0.185	0.220	0.286
90	0.136	0.174	0.207	0.270
100	0.129	0.165	0.197	0.256
200	0.091	0.117	0.139	0.182

Table A10 The Spearman rank correlation coefficient

The table gives the critical values of the Spearman rank correlation coefficient, ρ , for different numbers of pairs of observations, N .

	<i>N</i>	Significance level: two-tailed/non-directional			
		0.20	0.10	0.05	0.01
		Significance level: one-tailed/directional			
		0.10	0.05	0.025	0.005
	5	0.800	0.900	1.000	—
	6	0.657	0.829	0.886	1.000
	7	0.571	0.714	0.786	0.929
	8	0.524	0.643	0.738	0.881
	9	0.483	0.600	0.700	0.833
	10	0.455	0.564	0.648	0.794
	11	0.427	0.536	0.618	0.755
	12	0.406	0.503	0.587	0.727
	13	0.385	0.484	0.560	0.703
	14	0.367	0.464	0.538	0.679
	15	0.354	0.446	0.521	0.654
	16	0.341	0.429	0.503	0.635
	17	0.328	0.414	0.488	0.618
	18	0.317	0.401	0.472	0.600
	19	0.309	0.391	0.460	0.584
	20	0.299	0.380	0.447	0.570
	21	0.292	0.370	0.436	0.556
	22	0.284	0.361	0.425	0.544
	23	0.278	0.353	0.416	0.532
	24	0.271	0.344	0.407	0.521
	25	0.265	0.337	0.398	0.511
	26	0.259	0.331	0.390	0.501
	27	0.255	0.324	0.383	0.492
	28	0.250	0.318	0.375	0.483
	29	0.245	0.312	0.368	0.475
	30	0.240	0.306	0.362	0.467
	35	0.222	0.283	0.335	0.433
	40	0.207	0.264	0.313	0.405
	45	0.194	0.248	0.294	0.382
	50	0.184	0.235	0.279	0.363
	55	0.175	0.224	0.266	0.346
	60	0.168	0.214	0.255	0.331