

Chapter 10

Appendix A

10.1 Coherence Probability Table

Experimental coherence required to reject a null hypothesis of zero coherence at various probability levels for various degrees of freedom, n.

DoF=n	50%	90%	95%	99%	99.9%
2	.500	.901	.951	.990	.998
3	.293	.684	.776	.901	.968
4	.206	.539	.632	.785	.901
5	.159	.437	.527	.684	.823
6	.130	.370	.450	.602	.748
7	.109	.319	.393	.536	.684
8	.094	.280	.348	.482	.627
9	.083	.250	.312	.438	.578
10	.074	.226	.283	.401	.536
11	.067	.206	.259	.370	.500
12	.061	.189	.238	.342	.466
13	.056	.175	.221	.319	.441
14	.052	.162	.206	.298	.412
15	.048	.151	.193	.280	.389
16	.045	.142	.181	.264	.370
17	.042	.134	.171	.250	.350
18	.040	.127	.162	.237	.334
19	.038	.120	.154	.226	.319
20	.036	.112	.146	.215	.305
25	.029	.091	.118	.175	.250
30	.024	.076	.098	.147	.212
35	.020	.066	.084	.127	.185
40	.018	.057	.074	.112	.162
45	.016	.051	.066	.100	.145
50	.014	.046	.060	.090	.132
60	.012	.038	.050	.075	.111
70	.010	.033	.042	.065	.096
80	.009	.029	.037	.057	.084
90	.008	.026	.033	.052	.075
100	.007	.023	.030	.045	.068
125	.006	.018	.024	.036	.054
150	.005	.015	.020	.031	.045
175	.004	.013	.017	.026	.039
200	.003	.011	.015	.023	.034

Chapter 11

Appendix B

11.1 Matrix Algebra

$$\left(\begin{array}{cc} \mathbf{A} & \mathbf{B} \\ n \times p & p \times n \end{array} \right)^T = \begin{array}{cc} \mathbf{B}^T & \mathbf{A}^T \\ p \times n & n \times p \end{array} \quad (11.1)$$

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