

## CORRECTION NOTES

### CORRECTION TO A NOTE ON THE SPHERICITY TEST

BY LEON J. GLESER

*Johns Hopkins University*

Correction to Theorem 2, *Ann. Math. Statist.* **37** 464-467: Since  $n^{1/2} \log |R| \rightarrow 0$  in probability as  $n \rightarrow \infty$  (and not to  $\mathcal{N}(0, 2(p-1))$  as implied in the proof of the theorem), the correct variance of the limiting normal distribution is  $2 \sum_{i=1}^p (\lambda_i / \lambda^{\frac{1}{2}} - 1)^2$ .

My thanks to Dr. N. Sugiura for pointing out this error.

### CORRECTION TO ON THE THEORY OF RANK ORDER TESTS FOR LOCATION IN THE MULTIVARIATE ONE SAMPLE PROBLEM

BY PRANAB KUMAR SEN AND MADAN LAL PURI

*University of North Carolina, and Courant Institute of Mathematical Sciences, New York University*

Correction to *Ann. Math. Statist.* **38** 1216-1228. On page 1219 after (3.6) insert

$$(3.6') \quad H_{j,k}^*(x, y; \theta_j, \theta_k) = F_{j,k}(x, y; \theta_j, \theta_k) + F_{j,k}(x, -y; \theta_j, \theta_k) \\ + F_{j,k}(-x, y; \theta_j, \theta_k) + F_{j,k}(-x, -y; \theta_j, \theta_k),$$

$$(3.6'') \quad H_{N,j,k}^*(x, y) = F_{N,j,k}(x, y) + F_{N,j,k}(x, -y) + F_{N,j,k}(-x, y) \\ + F_{N,j,k}(-x, -y).$$

In Assumption 4, replace  $H_{N,j,k}(x, y)$  by  $H_{N,j,k}^*(x, y)$ . In (3.8), (3.11) and (3.12) replace  $dH_{j,k}(x, y; \theta_j, \theta_k)$  by  $dH_{j,k}^*(x, y; \theta_j, \theta_k)$ . In (3.10) replace  $dH_{N,j,k}(x, y)$  by  $dH_{N,j,k}^*(x, y)$ . In line 11 on page 1222, change [17] to [15a] and [10] to [9a]. The authors wish to thank their students and some colleagues for pointing out the above corrections.

### CORRECTION TO ASYMPTOTICALLY OPTIMAL STATISTICS IN SOME MODELS WITH INCREASING FAILURE RATE AVERAGES

BY KJELL DOKSUM

*University of California, Berkeley*

Corrections to pages 1734, 1736 and 1738, *Ann. Math. Statist.* **38** 1731-1739. Page 1734, line 17: Change (2.7) to (3.6).