

CORRECTION NOTES

CORRECTION TO A NOTE ON THE SPHERICITY TEST

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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

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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

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

Page 1736, equation (4.3); and page 1738, Lemma 6.1 and equation (6.11):
Change

$$\int_0^{H^{-1}(p)} th(t)/(1 - H(t)) dH(t)$$

to $\int_0^{H^{-1}(p)} [th(t)/(1 - H(t))] dH(t) + H^{-1}(p)h(H^{-1}(p)).$

Page 1736, equation (4.4); and page 1738 equation (6.12); Change

$$[\lambda(1 - \lambda)/p]^{\frac{1}{2}}[p + (1 - p) \ln(1 - p)]$$

to $[\lambda(1 - \lambda)p]^{\frac{1}{2}}$

The author wishes to thank Professor J. L. Gastwirth for pointing out these errors.

