



Correction to: Testing the hypothesis of a block compound symmetric covariance matrix for elliptically contoured distributions

Carlos A. Coelho¹ · Anuradha Roy²

© The Author(s) under exclusive licence to Sociedad de Estadística e Investigación Operativa 2021

Correction to: TEST

<https://doi.org/10.1007/s11749-016-0512-4>

There are two expressions where a spurious v appears. These are the first row of expression (11), which should be

$$E\left(\Lambda_a^h\right) = \prod_{k=1}^{u-1} \prod_{j=1}^m \frac{\Gamma\left(\frac{n-j}{2}\right) \Gamma\left(\frac{n-(u-k)m-j}{2} + \frac{n}{2}h\right)}{\Gamma\left(\frac{n-(u-k)m-j}{2}\right) \Gamma\left(\frac{n-j}{2} + \frac{n}{2}h\right)}, \quad (11)$$

and expression (13), which should be

$$h_j = \begin{cases} u-1, & j = 1, \dots, m \\ -1, & j = m+1, \dots, mu-2. \end{cases} \quad (13)$$

In addition, in expression (16), there is a “ $u-1$ ” missing in the denominator of the second parameter of the Beta random variables. This expression should be

The original article can be found online at <https://doi.org/10.1007/s11749-016-0512-4>.

✉ Carlos A. Coelho
cmac@fct.unl.pt

¹ Departamento de Matemática and Centro de Matemática e Aplicações, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal

² Department of Management Science and Statistics, The University of Texas at San Antonio, San Antonio, TX, USA

$$\Delta_b \sim \prod_{j=1}^m \prod_{k=1}^{u-1} \left(X_{jk}^* \right)^{\frac{n}{2}}, \quad \text{with } X_{jk}^* \sim \text{Beta} \left(\frac{n-j}{2}, \frac{2k+(u-2)j-u}{2(u-1)} \right). \quad (16)$$

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.