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Corrigendum

Corrigendum to "Comparison of Some Tests of Fit for the Inverse Gaussian Distribution"

D. J. Best, 1 J. C. W. Rayner, 1,2 and O. Thas 2,3

¹School of Mathematical and Physical Sciences, University of Newcastle, NSW 2308, Australia

Correspondence should be addressed to J. C. W. Rayner; john.rayner@newcastle.edu.au

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In the article titled "Comparison of some tests of fit for the Inverse Gaussian distribution" [1], there were a number of typographical and other errors. Except for the minor typographical error in V_0 below, all calculations reported appear to be correct.

In (2.1) + sign in the denominator should be omitted so that the denominator is $24(\cdots)(\cdots)$. Also a hat is missing on ϕ and the last $\hat{\phi}$ should not be cubed. Thus

$$\widehat{V}_{3}^{2} = \frac{n\widehat{\phi}^{6}}{24(4+\widehat{\phi})(120+75\widehat{\phi}+15\widehat{\phi}^{2}+\widehat{\phi}^{3})} \times \left\{ \overline{\widehat{Z}}^{3}(4+\widehat{\phi}) - \overline{\widehat{Z}}^{2}(\frac{60}{\widehat{\phi}}+30+4\widehat{\phi}) + \frac{120}{\widehat{\phi}^{3}} + \frac{195}{\widehat{\phi}^{2}} \right\}$$

$$+ \frac{123}{\widehat{\phi}} + 32 + 3\widehat{\phi}$$
(1)

In (2.2) the first occurrence of 1+ should be 1-. Thus

$$= \frac{1}{n} \sum_{j,k=1}^{n} Z_{jk}^{-1}$$

$$-2 \sum_{j=1}^{n} Z_{j}^{-1} \left\{ 1 - \sqrt{\frac{\pi \hat{\phi}}{2Z_{j}}} \operatorname{erfce}\left(\frac{\left(Z_{j}+1\right) \sqrt{\hat{\phi}}}{\sqrt{2Z_{j}}}\right) \right\}$$

$$+ \frac{n\left(1+2\hat{\phi}\right)}{4\hat{\phi}}.$$

$$(2)$$

In (2.5) and (2.6) ns before e_3 and e_4 should both be deleted. Thus

$$\pi_{3}(z) = \frac{\left(z^{3} - a_{3}z^{2} - b_{3}z - c_{3}\right)}{\sqrt{e_{3}}},$$

$$\pi_{4}(z) = \frac{\left(z^{4} + a_{4}z^{3} + b_{4}z^{2} + c_{4}z + d_{4}\right)}{\sqrt{e_{4}}}.$$
(3)

In the definition of e_4 following (2.6) –253440 should be +253440.

In example (ii) the value of V_0 should be 0.0033.

References

[1] D. J. Best, J. C. W. Rayner, and O. Thas, "Comparison of some tests of fit for the inverse Gaussian distribution," *Advances in Decision Sciences*, vol. 2012, Article ID 150303, 9 pages, 2012.

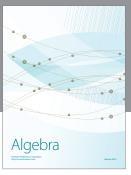
²National Institute for Applied Statistics Research Australia (NIASRA), School of Mathematics and Applied Statistics, University of Wollongong, Wollongong, NSW 2522, Australia

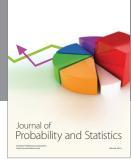
³Department of Mathematical Modelling, Statistics and Bioinformatics, Ghent University, Coupure Links 653, 9000 Gent, Belgium

















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