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Corrigendum

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

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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 $\widehat{\phi}$ should not be cubed. Thus

$$\widehat{V}_3^2 = \frac{n\widehat{\phi}^6}{24\left(4+\widehat{\phi}\right)\left(120+75\widehat{\phi}+15\widehat{\phi}^2+\widehat{\phi}^3\right)} \times \left\{\overline{\widehat{Z}}^3\left(4+\widehat{\phi}\right)-\overline{\widehat{Z}}^2\left(\frac{60}{\widehat{\phi}}+30+4\widehat{\phi}\right)+\frac{120}{\widehat{\phi}^3}+\frac{195}{\widehat{\phi}^2}+\frac{123}{\widehat{\phi}}+32+3\widehat{\phi}\right\}^2. \quad (1)$$

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

$$V_0 = \frac{1}{n}\sum_{j,k=1}^{n} Z_{jk}^{-1} - 2\sum_{j=1}^{n} Z_j^{-1}\left\{1-\sqrt{\frac{\pi\widehat{\phi}}{2Z_j}}\operatorname{erfce}\left(\frac{\left(Z_j+1\right)\sqrt{\widehat{\phi}}}{\sqrt{2Z_j}}\right)\right\} + \frac{n\left(1+2\widehat{\phi}\right)}{4\widehat{\phi}}. \quad (2)$$

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

$$\pi_3(z) = \frac{\left(z^3-a_3z^2-b_3z-c_3\right)}{\sqrt{e_3}}, \qquad \pi_4(z) = \frac{\left(z^4+a_4z^3+b_4z^2+c_4z+d_4\right)}{\sqrt{e_4}}. \quad (3)$$

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.