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Corrigendum on "Prabhu-Ajgaonkar's 1967 Result Revisited"

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In the publication entitled "Prabhu-Ajgaonkar's 1967 Result Revisited", that appeared in Statistics and Applications, Vol. 23, No. 2, 323-329, 2025, under Shorter Communications, a few critical errors have crept in. We express our deepest concern for any discomfort that the readers may experience because of these undesirable errors/mistakes.

1. Page 324: Table 1 should read as

Table 1: Population of size $N = 4$

Unit i	1	2	3	4	Total
Y_i	0.5	1.2	2.1	3.2	7.0
p_i	0.1	0.2	0.3	0.4	1.0

2. Page 326, Section 4: The correct expression of $\mathrm{Var}(\hat{T}_L(Y))$ is

$$\begin{aligned}\mathrm{Var}\big(\hat{T}_L(Y)\big) &= \sum_{\substack{i,j=1\\ i<j}}^{N} \frac{(Y_i+Y_j)^2}{(p_i+p_j)(N-1)} - [T(Y)]^2 \\ &= \sum_{\substack{i,j=1\\ i\neq j}}^{N} \frac{(Y_i+Y_j)^2}{2(p_i+p_j)(N-1)} - [T(Y)]^2.\end{aligned}$$

3. Page 326, 3rd line from bottom: The inequality should be numbered as

$$(N-2)\left[\frac{Y_i^2}{p_i}+\frac{Y_j^2}{p_j}\right] + \frac{1}{p_ip_j(p_i+p_j)}(p_jY_i - p_iY_j)^2 \geq 0, \quad \text{for all } i<j. \tag{1}$$

4. Page 327, section 6, lines 7-8: The expression

   "Note that the cross product terms can be written as

   ....."

should be written as

"Note that the sum of squares term can be written as

$$\sum_{i=1}^{N} Y_i^2 = \sum_{\substack{i,j=1 \\ i \neq j}}^{N} \frac{Y_i^2 + Y_j^2}{2(N-1)}."$$