



Correction to: An Iterative Approach to Stratification: Poverty at Regional Level in Italy

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Correction to: Social Indicators Research

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In the original publication of this article, the Equations 16, 17, 26, 28 and 30 has been published incorrectly. The correct equations are provided here.

Equation (16) should be:

$$a^k = a^{k-1} + \exp \left\{ \frac{\sigma_{1,k}^2 \sigma_{2,k}^2}{\sigma_{2,k}^2 - \sigma_{1,k}^2} \left[\left(\frac{\mu_{1,k}}{\sigma_{1,k}^2} - \frac{\mu_{2,k}}{\sigma_{2,k}^2} \right) - \sqrt{\Delta_k} \right] \right\},$$

Equation (17) should be:

$$\Delta_k = \left(\frac{\mu_{1,k}}{\sigma_{1,k}^2} - \frac{\mu_{2,k}}{\sigma_{2,k}^2} \right)^2 + \left(2 \ln \left(\frac{\sigma_{2,k} w_k}{\sigma_{1,k} (1 - w_k)} \right) - \left(\frac{\mu_{1,k}}{\sigma_{1,k}^2} \right)^2 + \left(\frac{\mu_{2,k}}{\sigma_{2,k}^2} \right)^2 \right) \frac{(\sigma_{2,k}^2 - \sigma_{1,k}^2)}{\sigma_{1,k}^2 \sigma_{2,k}^2}.$$

Equation (26) should be:

$$\Delta = \left(\frac{\mu_1}{\sigma_1^2} - \frac{\mu_2}{\sigma_2^2} \right)^2 + \left(2 \ln \left(\frac{\sigma_2 w}{\sigma_1 (1 - w)} \right) - \left(\frac{\mu_1}{\sigma_1^2} \right)^2 + \left(\frac{\mu_2}{\sigma_2^2} \right)^2 \right) \frac{(\sigma_2^2 - \sigma_1^2)}{\sigma_1^2 \sigma_2^2} \geq 0.$$

The original article can be found online at <https://doi.org/10.1007/s11205-020-02440-6>.

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Equation (28) should be:

$$a_{\pm} = \exp \left\{ \frac{\sigma_1^2 \sigma_2^2}{\sigma_2^2 - \sigma_1^2} \left[\left(\frac{\mu_1}{\sigma_1^2} - \frac{\mu_2}{\sigma_2^2} \right) \pm \sqrt{\Delta} \right] \right\}.$$

Equation (30) should be:

$$\ln(a_{\pm}) = \frac{\sigma_1^2 \sigma_2^2}{\sigma_2^2 - \sigma_1^2} \left[\left(\frac{\mu_1}{\sigma_1^2} - \frac{\mu_2}{\sigma_2^2} \right) \pm \sqrt{\left(\frac{\mu_1}{\sigma_1^2} - \frac{\mu_2}{\sigma_2^2} \right)^2 + \left(2 \ln \left(\frac{\sigma_2 w}{\sigma_1 (1-w)} \right) - \left(\frac{\mu_1}{\sigma_1} \right)^2 + \left(\frac{\mu_2}{\sigma_2} \right)^2 \right) \frac{(\sigma_2^2 - \sigma_1^2)}{\sigma_1^2 \sigma_2^2}} \right].$$

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