Correction to: Assessment of agricultural sustainability in European Union countries: a group-based multivariate trajectory approach

Alessandro Magrini

Published online: 17 March 2022
© The Author(s) 2022

Correction to: AStA Advances in Statistical Analysis
https://doi.org/10.1007/s10182-022-00437-9

In this article Eqs. 9, 11 and 12 have displayed a piece of code, "[2pt]", which is not part of the equations. They now read as follows:

\[
\begin{align*}
\mu_{j,t} &= \begin{pmatrix} \mu_{j,t}^{(o)} \\ \mu_{j,t}^{(\tilde{o})} \end{pmatrix} \\
\Sigma_j &= \begin{pmatrix} 
\Sigma_j^{(o,o)} & \Sigma_j^{(o,\tilde{o})} \\
\Sigma_j^{(\tilde{o},o)} & \Sigma_j^{(\tilde{o},\tilde{o})} 
\end{pmatrix} \\
\hat{\beta}_j &= \left( \mathbf{X}' \mathbf{W} \mathbf{X} \right)^{-1} \mathbf{X}' \mathbf{W} \mathbf{Y} \\
\hat{\mu}_{j,t} &= \hat{\beta}_j' \begin{pmatrix} 1, t, t^2, \ldots, t^d \end{pmatrix}' \\
\hat{\Sigma}_j &= \frac{\sum_{i=1}^{n} \pi_{i,j} \sum_{t=1}^{T} (\mathbf{y}_{i,t} - \hat{\mu}_{j,t})(\mathbf{y}_{i,t} - \hat{\mu}_{j,t})'}{\sum_{i=1}^{n} \pi_{i,j}}
\end{align*}
\]

The original article can be found online at https://doi.org/10.1007/s10182-022-00437-9.

Alessandro Magrini
alessandro.magrini@unifi.it

1 Department of Statistics, Computer Science, Applications, University of Florence, Florence, Italy
\[ \begin{bmatrix} x_1 \\ \vdots \\ x_i \\ \vdots \\ x_n \end{bmatrix}_{(nT) \times(d+1)} = \begin{bmatrix} x_{i1} \\ \vdots \\ x_{id} \end{bmatrix}_{T \times(d+1)} = \begin{bmatrix} 1 & 1 & 1 & \cdots & 1 \\ 1 & 2 & 2^2 & \cdots & 2^d \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ 1 & t & t^2 & \cdots & t^d \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ 1 & T & T^2 & \cdots & T^d \end{bmatrix} \]

(12)

This does not influence the results of this work.
The original article has been corrected.