

To avoid confusion for readers, we decide to remove Equation 1 and modify the sentences related to its description. The affected lines are highlighted in red below.

“One of the important steps was the assignment of each input vector to a specific SOM unit, *u,* shown on the right-hand side of Figure 2*.* Firstly, we estimated the local correlations in the data space, represented by a $cor\_{i,j}^{u}$ matrix.

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| $cor\_{i,j}^{u}$=1+$\sqrt{\sum\_{}^{}DAT\\_cor^{2}}$, | (1) |

Where *DAT\_cor* is a correlation matrix among each normalized input vectors within a SOM unit; $cor\_{i,j}^{u}$ is the local correlation matrix between the missing and the mean of all the observed training data within the SOM unit *u.*

Given with local correlations in the data space, we then calculated the minimum Euclidean distance between a normalized input vector $X$ containing missing and non-missing components and the referent vector of the SOM unit, $ref^{u}$ using a similarity function (Chapman and Charantonis, 2017). The similarity function is defined as:

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| --- | --- |
| $$sim\left(X,ref^{u}\right)=\sum\_{i\in non-missing}^{}\left(1+\sum\_{j\in missing}^{}\left(cor\_{i,j}^{u}\right)^{2}\right)×\sqrt{(X\_{i}-ref\_{i}^{u})^{2}},$$ | (2) |

Where $X\_{i}$ is the non-missing data in $X$, $ref\_{i}^{u}$ is the mean of all training data in the SOM unit *u”*

The combined paragraph is to be revised as (changed text in blue):

“One of the important steps was the assignment of each input vector to a specific SOM unit, *u,* shown on the right-hand side of Figure 2. To do this, we calculated the minimum Euclidean distance between a normalized input vector $X$ containing missing and non-missing components and the referent vector of the SOM unit, $ref^{u}$ using a similarity function (Chapman and Charantonis, 2017). The similarity function is defined as:

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| --- | --- |
| $$sim\left(X,ref^{u}\right)=\sum\_{i\in non-missing}^{}\left(1+\sum\_{j\in missing}^{}\left(cor\_{i,j}^{u}\right)^{2}\right)×\sqrt{(X\_{i}-ref\_{i}^{u})^{2}},$$ | (1) |

Where $X\_{i}$ is the non-missing data in $X$, $ref\_{i}^{u}$ is the mean of all training data in the SOM unit *u,* and $cor\_{i,j}^{u}$ is the local correlation matrix between the missing variables and available variables over all the observed training data within the SOM unit *u.”*