



Erratum:

Erratum to: Theoretical foundation of a decision network for urban development

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In the original version of this article, Eq. (1) is incorrect. The correct version is given below:

$$\max \sum_{j=1}^n p_j \left(\sum_{i=1}^m x_{ij} a_{ij} u_i + \sum_{k=1}^p y_{kj} b_{kj} v_k + \sum_{l=1}^q z_{lj} c_{lj} w_l \right) \quad (1)$$

s.t. for $j = 1, 2, \dots, n$,

$$\begin{cases} a_{ij} = 0 \Rightarrow x_{ij} = 0, & i = 1, 2, \dots, m, \\ b_{kj} = 0 \Rightarrow y_{kj} = 0, & k = 1, 2, \dots, p, \\ c_{lj} = 0 \Rightarrow z_{lj} = 0, & l = 1, 2, \dots, q, \end{cases}$$


and

$$\begin{cases} \sum_{j=1}^n x_{ij} \leq \sum_{j=1}^n a_{ij}, & i = 1, 2, \dots, m, \\ \sum_{j=1}^n y_{kj} \leq 1, & k = 1, 2, \dots, p, \\ \sum_{j=1}^n z_{lj} \leq 1, & l = 1, 2, \dots, q, \end{cases}$$

where $0 \leq p_j \leq 1$ and $x_{ij}, y_{kj}, z_{lj} = 0, 1$, for $j = 1, 2, \dots, n$.

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