Erratum to: A definition for I-fuzzy partitions

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Unfortunately, several typographical errors have been detected in Proposition 2, Proof (4) section of the original article. The corrected version is given below:

- (4) The construction of μ'_j is such that $\mu'_j(x) \geq \mu_j(x)$ for all x , because $d(x, b_j) \leq d(x, c^{r^*j})$ and thus $\frac{d(x, b_j)}{d(x, c^{r^*j})} \leq \frac{d(x, c^{r^*j})}{d(x, c^{r^*j})}$ for all t . From this, it is also clear that $\left(\frac{d(x, b_j)}{d(x, c^{r^*j})}\right)^{2/(m-1)} \leq \left(\frac{d(x, c^{r^*j})}{d(x, c^{r^*j})}\right)^{2/(m-1)}$ and $1 + \sum_{t \neq j} \left(\frac{d(x, b_j)}{d(x, c^{r^*j})}\right)^{2/(m-1)} \leq 1 + \sum_{t \neq j} \left(\frac{d(x, c^{r^*j})}{d(x, c^{r^*j})}\right)^{2/(m-1)}$. Therefore, $\left(1 + \sum_{t \neq j} \left(\frac{d(x, b_j)}{d(x, c^{r^*j})}\right)^{2/(m-1)}\right)^{-1} \geq \left(1 + \sum_{t \neq j} \left(\frac{d(x, c^{r^*j})}{d(x, c^{r^*j})}\right)^{2/(m-1)}\right)^{-1}$ and, thus, $\mu'_j(x) \geq \mu_j(x)$. Note that $d(x, b_j) \leq d(x, c^{r^*j})$ by construction of b_j .

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