CORRECTION



Correction to: Deep learning-based PET image denoising and reconstruction: a review

Fumio Hashimoto^{1,2,3} · Yuya Onishi¹ · Kibo Ote¹ · Hideaki Tashima³ · Andrew J. Reader⁴ · Taiga Yamaya^{2,3}

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Correction to: Radiological Physics and Technology (2024) 17:24–46 https://doi.org/10.1007/s12194-024-00780-3

In the original PDF of this article, the formula 5 was published with extraneous text as "* 20c".

Incorrect version:

*
$$20cL(\mathbf{y}|\mathbf{x}) = -\log P(\mathbf{y}|\mathbf{x})$$

= $C - \sum_{i=1}^{I} \left\{ y_i \log \left(\sum_{j=1}^{J} a_{ij} x_j + \overline{b}_i \right) - \left(\sum_{j=1}^{J} a_{ij} x_j + \overline{b}_i \right) \right\},$ (5)

Correct version:

$$L(\mathbf{y}|\mathbf{x}) = -\log P(\mathbf{y}|\mathbf{x})$$

= $C - \sum_{i=1}^{I} \left\{ y_i \log \left(\sum_{j=1}^{J} a_{ij} x_j + \overline{b}_i \right) - \left(\sum_{j=1}^{J} a_{ij} x_j + \overline{b}_i \right) \right\},$ (5)

The original article can be found online at https://doi.org/10.1007/s12194-024-00780-3.

Fumio Hashimoto fumio.hashimoto@crl.hpk.co.jp

- ¹ Central Research Laboratory, Hamamatsu Photonics K. K, 5000 Hirakuchi, Hamana-Ku, Hamamatsu 434-8601, Japan
- ² Graduate School of Science and Engineering, Chiba University, 1-33, Yayoicho, Inage-Ku, Chiba 263-8522, Japan
- ³ National Institutes for Quantum Science and Technology, 4-9-1, Anagawa, Inage-Ku, Chiba 263-8555, Japan
- ⁴ School of Biomedical Engineering and Imaging Sciences, King's College London, London SE1 7EH, UK

The HTML version was unaffected.

In this article the formula 13 was incorrectly published with a minus (-) symbol in the denominator instead of plus (+) symbol.

Incorrect version:

$$x_{j}^{(k+1)} = \frac{x_{j}^{(k)}}{\sum_{i=1}^{I} a_{ij} - \beta \left. \frac{\partial U(x)}{\partial x_{j}} \right|_{x=x^{(k)}}} \sum_{i=1}^{I} \frac{a_{ij} y_{i}}{\sum_{j'=1}^{J} a_{ij'} x_{j'}^{(k)} + \overline{b}_{i}}.$$
(13)

Correct version:

$$x_{j}^{(k+1)} = \frac{x_{j}^{(k)}}{\sum_{i=1}^{I} a_{ij} + \beta \left. \frac{\partial U(x)}{\partial x_{j}} \right|_{x=x^{(k)}}} \sum_{i=1}^{I} \frac{a_{ij} y_{i}}{\sum_{j'=1}^{J} a_{ij'} x_{j'}^{(k)} + \overline{b}_{i}}.$$
(13)

The original article has been corrected.

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