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Erratum

Erratum to "Efficiency, power, and entropy in event-related FMRI with multiple trial types: Part I: theory" [NeuroImage 21 (2004) 387-400]^{\approx}

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The publisher regrets that some of the mathematical expressions were found to have errors. These errors do not change the conclusions of the paper.

The expression in the third line of the second column of page 388 should read,

 $\hat{\mathbf{h}} = (\mathbf{X}^T \mathbf{K} \mathbf{X})^{-1} \mathbf{X}^T \mathbf{K} \mathbf{y}.$

The expression directly below Eq. (6) on page 388 should read,

 $\mathbf{Z} = [\mathbf{z}_1 \ \mathbf{z}_2 \cdots \mathbf{z}_Q].$

The expression directly below Eq. (8) on page 389 should read,

$$RSS = (\mathbf{y} - \mathbf{Z}\hat{\boldsymbol{\mu}} - \mathbf{S}\hat{\mathbf{b}})^T \boldsymbol{\Sigma}^{-1} (\mathbf{y} - \mathbf{Z}\hat{\boldsymbol{\mu}} - \mathbf{S}\hat{\mathbf{b}}).$$

Eq. (19) on page 390 should read,

 $\mathrm{Tr}[A_k^{-1}]^{-1} \approx \xi(\alpha) = \frac{\alpha(1-\alpha)M}{1+\alpha(k^2-2k)}.$

A similar correction applies to the Appendix of the companion article (Liu, 2004) which repeats part of this equation.

The first two terms in the numerator of the expression in Eq. (23) on page 391 should read,

$$Q(1-2k_1)+Q^2(k_1-1).$$

On page 392, the expression on the tenth line from the bottom of the first column should read,

$$\mathbf{J} \approx \mathbf{X}^T \mathbf{P}_s^{\perp} \boldsymbol{\Sigma}^{-1} \mathbf{P}_s^{\perp} \mathbf{X}.$$

In Appendix A3, the first term in the numerator of the final expression for \mathbf{E}_{Q}^{-1} should read $(1 - Qp)\mathbf{I}_{Q}$.

Reference

Liu, T.T., 2004. Efficiency, power, and entropy in event-related fMRI with multiple trial types: part II. Design of experiments. NeuroImage 21, 401–413.

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