

Some of the mathematical expressions in (Liu and Frank 2004) were found to have errors that were missed in the review and proofing process. These errors do not change the conclusions of the paper, but corrections are provided here to eliminate any confusion the errors might cause. 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 equation 6 on page 388 should read  $\mathbf{Z} = [\mathbf{z}_1 \quad \mathbf{z}_2 \quad \cdots \quad \mathbf{z}_Q]$ . The expression directly below equation 8 on page 389 should read  $RSS = (\mathbf{y} - \mathbf{Z}\hat{\boldsymbol{\mu}} - \mathbf{S}\hat{\mathbf{b}})^T \boldsymbol{\Sigma}^{-1} (\mathbf{y} - \mathbf{Z}\hat{\boldsymbol{\mu}} - \mathbf{S}\hat{\mathbf{b}})$ . Equation 19 on page 390 should read  $Tr[\mathbf{A}_k^{-1}]^{-1} \approx \xi(\alpha) = \frac{\alpha(1-\alpha)M}{1 + \alpha(k^2 - 2k)}$ . A similar correction applies to the Appendix of (Liu 2004) which repeats part of this equation. The first two terms in the numerator of the expression in equation 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  $(1 - Qp)\mathbf{I}_Q$ .

Liu, T. T. 2004. Efficiency, power, and entropy in event-related fMRI with multiple trial types. Part II: design of experiments. *Neuroimage* **21(1)**:401-13.

Liu, T. T., Frank, L. R. 2004. Efficiency, power, and entropy in event-related FMRI with multiple trial types. Part I: theory. *Neuroimage* **21(1)**:387-400.