

- Nester M, 1996. An applied statistician's creed, *Applied Statistics*, 45(4):401-410
- Petersson, K.M., Nichols, T.E., Poline, J.B., Holmes, A.P. 1999a. Statistical limitations in functional neuroimaging. I. Non-inferential methods and statistical models. *Phil. Trans. Royal Soc. - Series B: Biological Sciences* **354**:1239-60
- Petersson, K.M., Nichols, T.E., Poline, J.B., Holmes, A.P. 1999b. Statistical limitations in functional neuroimaging. II. Signal detection and statistical inference. *Phil. Trans. Royal Soc. - Series B: Biological Sciences* **354**:1261-81
- Lange, N., Strother, S.C., Anderson, J.R., Nielsen, F.A., Holmes, A., Kolenda, T., Savoy, R., Hansen, L.K. 1999. Plurality and resemblance in fMRI data analysis. *Neuroimage* **10**:282-303.
- Lukic AS, Wernick MN, Strother SC. 2002. An evaluation of methods for detecting brain activations from PET or fMRI images. *Artificial Intelligence in Medicine*, 25:69-88.
- Hastie T, Tibshirani R, Friedman J. *The elements of statistical learning theory*. Springer-Verlag, New York, 2001.
- Strother SC, Anderson J, Hansen LK, Kjems U, Kustra R, Siditis J, Frutiger S, Muley S, LaConte S, Rottenberg D. 2002. The quantitative evaluation of functional neuroimaging experiments: The NPAIRS data analysis framework. *Neuroimage* 15:747-771.
- Morch N, Hansen LK, Strother SC, Svarer C, Rottenberg DA, Lautrup B, Savoy R, Paulson OB. *Nonlinear versus linear models in functional neuroimaging: Learning curves and generalization crossover*. In: Duncan J, Gindi G, eds: Lecture Notes in Computer Science 1230: Information Processing in Medical Imaging. Springer-Verlag, 1997, 259-270.
- Hansen LK, Larsen J, Nielsen FA, Strother SC, Rostrup E, Savoy R, Lange N, Sidtis J, Svarer C, Paulson OB. 1999. Generalizable patterns in neuroimaging: How many principal components?. *Neuroimage*, 9:534-544.
- Kustra R, Strother SC. 2001. Penalized discriminant analysis of [15O]water PET brain images with prediction error selection of smoothing and regularization hyperparameters. *IEEE Trans Med Img* 20:376-387.
- Mardia, K.V., Kent, J.T., Bibby, J.M. *Multivariate analysis*. Academic Press, 1979.
- Strother SC, Lange N, Anderson JR, Schaper KA, Rehm K, Hansen LK, Rottenberg DA. 1997. Activation pattern reproducibility: Measuring the effects of group size and data analysis models. *Hum Brain Mapp*, 5:312-316.
- Frutiger S, Strother SC, Anderson JR, Sidtis JJ, Arnold JB, Rottenberg DA. 2000. Multivariate predictive relationship between kinematic and functional activation patterns in a PET study of visuomotor learning. *Neuroimage* 12:515-527
- Muley SA, Strother SC, Ashe J, Frutiger SA, Anderson JR, Sidtis JJ, Rottenberg DA. 2001. Effects of changes in experimental design on PET studies of isometric force. *Neuroimage* 13:185-195.
- Shaw M, Strother SC, McFarlane AC, Morris P, Anderson J, Clark CR, Egan GF. 2002. Abnormal functional connectivity in post-traumatic stress disorder. *Neuroimage* 15:661-674.
- Tegeler C, Strother SC, Anderson JR, Kim S-G. 1999. Reproducibility of BOLD-based functional MRI obtained at 4T. *Hum Brain Mapp*, 7:267-283.
- LaConte S, Anderson J, Muley S, Frutiger S, Hansen LK, Yacoub E, Xiaoping H, Rottenberg D, Ashe J, Strother SC. Evaluating preprocessing choices in single-subject BOLD-fMRI studies using data-driven performance metrics. *Neuroimage* (in press).