PSYC0064: Methods in cognitive neuroscience II: neuroimaging: Dr Leun J. Otten

View Online

[1]

Amaro, E. and Barker, G.J. 2006. Study design in fMRI: Basic principles. Brain and Cognition . 60, 3 (Apr. 2006), 220–232. DOI:https://doi.org/10.1016/j.bandc.2005.11.009.

[2]

Banaschewski, T. and Brandeis, D. 2007. Annotation: What electrical brain activity tells us about brain function that other techniques cannot tell us ? a child psychiatric perspective. Journal of Child Psychology and Psychiatry. 48, 5 (May 2007), 415–435. DOI:https://doi.org/10.1111/j.1469-7610.2006.01681.x.

[3]

Bandettini, P.A. 2009. What's New in Neuroimaging Methods? Annals of the New York Academy of Sciences. 1156, 1 (Mar. 2009), 260–293. DOI:https://doi.org/10.1111/j.1749-6632.2009.04420.x.

[4]

Berman, M.G. 2006. Studying mind and brain with fMRI. Social Cognitive and Affective Neuroscience. 1, 2 (Sep. 2006), 158–161. DOI:https://doi.org/10.1093/scan/nsl019.

[5]

Braisby, N. 2005. Cognitive psychology: a methods companion. Oxford University Press in association with the Open University.

[6]

Church, J.A. et al. 2010. The "Task B problem" and other considerations in developmental functional neuroimaging. Human Brain Mapping. 31, 6 (Jun. 2010), 852–862. DOI:https://doi.org/10.1002/hbm.21036.

[7]

Cohen, M.X. 2017. Where Does EEG Come From and What Does It Mean? Trends in Neurosciences. 40, 4 (Apr. 2017), 208–218. DOI:https://doi.org/10.1016/j.tins.2017.02.004.

[8]

Coles, Michael G. H. and Rugg, M. D. 1995. Event-related brain potentials: an introduction. Chapter 1 in Electrophysiology of mind: event-related brain potentials and cognition. Oxford University Press.

[9]

Driver, J. et al. 2009. Concurrent brain-stimulation and neuroimaging for studies of cognition. Trends in Cognitive Sciences. 13, 7 (Jul. 2009), 319–327. DOI:https://doi.org/10.1016/j.tics.2009.04.007.

[10]

Friston, K.J. 2009. Modalities, Modes, and Models in Functional Neuroimaging. Science. 326, 5951 (Oct. 2009), 399–403. DOI:https://doi.org/10.1126/science.1174521.

[11]

Glover, G.H. 2011. Overview of Functional Magnetic Resonance Imaging. Neurosurgery Clinics of North America. 22, 2 (Apr. 2011), 133–139. DOI:https://doi.org/10.1016/j.nec.2010.11.001.

[12]

Gross, J. et al. 2013. Good practice for conducting and reporting MEG research. NeuroImage. 65, (Jan. 2013), 349–363.

DOI:https://doi.org/10.1016/j.neuroimage.2012.10.001.

[13]

Handy, Todd C. 2005. Event-related potentials: a methods handbook (chapter 1 - how to interpret event-related potentials). MIT Press.

[14]

HENSON, R. 2006. Forward inference using functional neuroimaging: dissociations versus associations. Trends in Cognitive Sciences. 10, 2 (Feb. 2006), 64–69. DOI:https://doi.org/10.1016/j.tics.2005.12.005.

[15]

Huettel, S.A. et al. 2014. Functional magnetic resonance imaging. Sinauer Associates, Inc., Publishers.

[16]

Klein, C. 2010. Philosophical Issues in Neuroimaging. Philosophy Compass. 5, 2 (Feb. 2010), 186–198. DOI:https://doi.org/10.1111/j.1747-9991.2009.00275.x.

[17]

Litvak, V. et al. 2011. EEG and MEG Data Analysis in SPM8. Computational Intelligence and Neuroscience. 2011, (2011), 1–32. DOI:https://doi.org/10.1155/2011/852961.

[18]

Logothetis, N.K. 2008. What we can do and what we cannot do with fMRI. Nature. 453, 7197 (Jun. 2008), 869–878. DOI:https://doi.org/10.1038/nature06976.

[19]

Michel, C.M. et al. 2004. EEG source imaging. Clinical Neurophysiology. 115, 10 (Oct. 2004), 2195–2222. DOI:https://doi.org/10.1016/j.clinph.2004.06.001.

[20]

Moran, J.M. and Zaki, J. 2013. Functional Neuroimaging and Psychology: What Have You Done for Me Lately? Journal of Cognitive Neuroscience. 25, 6 (Jun. 2013), 834–842. DOI:https://doi.org/10.1162/jocn_a_00380.

[21]

Mumford, J.A. 2012. A power calculation guide for fMRI studies. Social Cognitive and Affective Neuroscience. 7, 6 (Aug. 2012), 738–742. DOI:https://doi.org/10.1093/scan/nss059.

[22]

Neuroimaging: Separating the Promise from the Pipe Dreams - Dana Foundation: https://www.dana.org/article/neuroimaging-separating-the-promise-from-the-pipe-dreams/.

[23]

Nieuwenhuis, S. et al. 2011. Erroneous analyses of interactions in neuroscience: a problem of significance. Nature Neuroscience. 14, 9 (Aug. 2011), 1105–1107. DOI:https://doi.org/10.1038/nn.2886.

[24]

Poldrack, R.A. et al. 2008. Guidelines for reporting an fMRI study. NeuroImage. 40, 2 (Apr. 2008), 409–414. DOI:https://doi.org/10.1016/j.neuroimage.2007.11.048.

[25]

Poldrack, R.A. et al. 2011. Handbook of functional MRI data analysis. Cambridge University Press.

[26]

Raichle, M.E. 2009. A brief history of human brain mapping. Trends in Neurosciences. 32, 2

(Feb. 2009), 118–126. DOI:https://doi.org/10.1016/j.tins.2008.11.001.

[27]

Reite, M. et al. 1999. Magnetoencephalography: applications in psychiatry. Biological Psychiatry. 45, 12 (Jun. 1999), 1553–1563. DOI:https://doi.org/10.1016/S0006-3223(99)00062-1.

[28]

Roach, B.J. and Mathalon, D.H. 2008. Event-Related EEG Time-Frequency Analysis: An Overview of Measures and An Analysis of Early Gamma Band Phase Locking in Schizophrenia. Schizophrenia Bulletin. 34, 5 (Jul. 2008), 907–926. DOI:https://doi.org/10.1093/schbul/sbn093.

[29]

Rösler, F. and Ranganath, C. 2009. On how to reconcile mind and brain. Neuroimaging of Human MemoryLinking cognitive processes to neural systems. Oxford University Press. 15–24.

[30]

Savoy, R.L. 2005. Experimental design in brain activation MRI: Cautionary tales. Brain Research Bulletin. 67, 5 (Nov. 2005), 361–367. DOI:https://doi.org/10.1016/j.brainresbull.2005.06.008.

[31]

Smith, S.M. 2001. Overview of fMRI analysis. Functional Magnetic Resonance Imaging. P. Jezzard et al., eds. Oxford University Press. 216–230.

[32]

Strait, M. and Scheutz, M. 2014. What we can and cannot (yet) do with functional near infrared spectroscopy. Frontiers in Neuroscience. 8, (May 2014). DOI:https://doi.org/10.3389/fnins.2014.00117.

[33]

Teplan, M. Fundamentals of EEG measurement.

[34]

Thut, G. and Miniussi, C. 2009. New insights into rhythmic brain activity from TMS–EEG studies. Trends in Cognitive Sciences. 13, 4 (Apr. 2009), 182–189. DOI:https://doi.org/10.1016/j.tics.2009.01.004.

[35]

Ward, J. 2015. The Student's Guide to Cognitive Neuroscience. Taylor and Francis.

[36]

An Image-based Approach to Understanding the Physics of MR Artifacts.

[37]

Friston (2003) - introduction and overview of fMRI analysis.

[38]

Landmarks in human functional brain imaging.