PS3031: Methods in Cognitive Neuroscience

View Online

1.

Introduction to Neuroimaging Methods | MRC-CBSU [Internet]. Available from: http://imaging.mrc-cbu.cam.ac.uk/methods/IntroductionNeuroimagingLectures

2.

Linux Beginner Tutorials | Linux.org [Internet]. Available from: https://www.linux.org/forums/linux-beginner-tutorials.123/

3.

Ward J. The student's guide to cognitive neuroscience. Third edition. Hove: Psychology Press; 2015.

4.

Gazzaniga MS, Ivry RB, Mangun GR. Cognitive neuroscience: the biology of the mind. Fourth edition. New York: Norton; 2014.

5.

Huettel SA, Song AW, McCarthy G. Functional magnetic resonance imaging. Third edition. Sunderland, Massachusetts: Sinauer Associates, Inc. Publishers; 2014.

6.

Bear MF, Connors BW, Paradiso MA. Neuroscience: exploring the brain. Fourth edition.

Philadelphia: Wolters Kluwer; 2016.

7.

Kandel ER. Principles of neural science. 5th Edition. New York: McGraw-Hill Medical Publishing Division; 2013.

8.

McRobbie DW. MRI from picture to proton. 2nd ed. Cambridge: Cambridge University Press; 2007.

9.

McRobbie DW. MRI From Picture to Proton [Internet]. 2nd ed. Cambridge: Cambridge University Press; 2007. Available from: https://ezproxy01.rhul.ac.uk/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=Holloway&isbn=9781139132145&uid=^u

10.

Huettel SA, Song AW, McCarthy G. Functional magnetic resonance imaging. Third edition. Sunderland, Massachusetts: Sinauer Associates, Inc. Publishers; 2014.

11.

Questions and Answers

in MRI | Allen D. Elster [Internet]. Available from: https://www.mriquestions.com/index.html

12.

Introduction to MRI Physics [Internet]. Available from: http://www.simplyphysics.com/page2_1.html

13.

Currie S, Hoggard N, Craven IJ, Hadjivassiliou M, Wilkinson ID. Understanding MRI: basic MR physics for physicians. Postgraduate Medical Journal. 2013;89(1050):209–223.

14.

The Basics of MRI [Internet]. Available from: http://www.cis.rit.edu/htbooks/mri/inside.htm

15.

MRI online course (Magnetic Resonance Imaging) [Internet]. Available from: https://www.imaios.com/en/e-Courses/e-MRI

16.

Pooley RA. Fundamental Physics of MR Imaging. RadioGraphics. 2005;25(4):1087–1099.

17.

Viallon M, Cuvinciuc V, Delattre B, Merlini L, Barnaure-Nachbar I, Toso-Patel S, Becker M, Lovblad KO, Haller S. State-of-the-art MRI techniques in neuroradiology: principles, pitfalls, and clinical applications. Neuroradiology. 2015;57(5):441–467.

18.

Ulmer S, Backens M, Ahlhelm FJ. Basic Principles and Clinical Applications of Magnetic Resonance Spectroscopy in Neuroradiology [Internet]. Journal of Computer Assisted Tomography. 2016. p. 1–13. Available from: http://mriquestions.com/uploads/3/4/5/7/34572113/basic_principles_and_clinical_applications_of.99658.pdf

19.

Faghihi R, Zeinali-Rafsanjani B, Mosleh-Shirazi MA, Saeedi-Moghadam M, Lotfi M, Jalli R, Iravani V. Magnetic Resonance Spectroscopy and its Clinical Applications: A Review [Internet]. Journal of Medical Imaging and Radiation Sciences. 2017. p. 233–253. Available from: https://www.jmirs.org/article/S1939-8654(17)30010-3/pdf

20.

Jezzard P, Matthews PM, Smith SM. Functional MRI: an introduction to methods. Oxford: Oxford University Press; 2001.

21.

Poldrack RA, Mumford JA, Nichols TE. Handbook of Functional MRI Data Analysis. Cambridge: Cambridge University Press; 2011.

22.

Jenkinson M, Chappell M. Introduction to neuroimaging analysis. First edition. New York, NY: Oxford University Press; 2018.

23.

Kandel ER. Principles of neural science. 5th Edition. New York: McGraw-Hill Medical Publishing Division; 2013.

24.

HUMAN BRAIN FUNCTION 2nd EDITION [Internet]. Available from: https://www.fil.ion.ucl.ac.uk/spm/doc/books/hbf2/

25.

Introduction to fMRI | CUBIC Wiki [Internet]. Available from: http://www.cubic.rhul.ac.uk/wiki/doku.php?id=fmri:fmri_intro

26.

HUMAN BRAIN FUNCTION 2nd EDITION [Internet]. Available from: https://www.fil.ion.ucl.ac.uk/spm/doc/books/hbf2/

27.

Fornito A, Zalesky A, Bullmore ET. Fundamentals of brain network analysis. Amsterdam: Elsevier/Academic Press; 2016.

28.

Roelofs Ardi. Goal-referenced selection of verbal action: Modeling attentional control in the Stroop task. Psychological Review [Internet]. 2003;110(1):88–125. Available from: http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2002-08416-005&site=ehost-live

29.

Land MF. Eye movements and the control of actions in everyday life. Progress in Retinal and Eye Research. 2006;25(3):296–324.

30.

Kirchner H, Thorpe SJ. Ultra-rapid object detection with saccadic eye movements: Visual processing speed revisited. Vision Research. 2006;46(11):1762–1776.

31.

Bechara A. Deciding Advantageously Before Knowing the Advantageous Strategy. Science. 1997;275(5304):1293–1295.

32.

Wolpert DM, Flanagan JR. Motor prediction. Current Biology. 2001;11(18):R729–R732.

33.

Aglioti S, DeSouza JFX, Goodale MA. Size-contrast illusions deceive the eye but not the hand. Current Biology. 1995;5(6):679–685.

34.

De Valois RL, De Valois KK. Spatial Vision. New York: Oxford University Press; 1988.

35.

Psychophysical Methods [Internet]. Available from: https://www.psych.nyu.edu/pelli/pubs/pelli2010methods.pdf

36.

Morgan MJ. Biases and Sensitivities in Geometrical Illusions. Vision Research. 1990;30(11):1793–1810.

37.

Heeger D. Signal Detection Theory [Internet]. 2007. Available from: http://www.cns.nyu.edu/~david/handouts/sdt/sdt.html