

Methods for Dummies 2008

Organisers: Hanneke den Ouden, Justin Chumbley and Maria Joao

Time: 13h00-14h00, Wednesdays, FIL Seminar Room

URL: <http://www.fil.ion.ucl.ac.uk/~mjoao/mfd.html>

Programme – Autumn Term		
Topics	Date	Expert
General Intro	08/10/2008	
<i>Basic Statistics</i>		
Linear Algebra and Matrices	15/10/2008	Justin Chumbley
T-tests, Anovas and Regression	22/10/2008	Justin Chumbley
General Linear Model	29/10/2008	Justin Chumbley
Random Field Theory	05/11/2008	Jean Daunizeau
Bayes for Beginners	12/11/2008	Will Penny
<i>What are we measuring?</i>		
Basis of the BOLD signal	19/11/2008	Stephan Kiebel
Basis of the M/EEG signal	26/11/2008	James Kilner
<i>fMRI analysis</i>		
Preprocessing: realigning and unwarping	03/12/2008	Carlton Chu
Preprocessing: coregistration and spatial normalisation	10/12/2008	Carlton Chu
Study design and efficiency	17/12/2008	Hanneke den Ouden
Programme – Spring Term		
Topics	Date	Expert
<i>fMRI analysis ctd.</i>		
1 st and 2 nd level analysis: design matrix, contrasts and inference	14/01/2009	Guillaume Flandin
Parametric modulation, temporal basis functions and correlated regressors	21/01/2009	Guillaume Flandin
<i>M/EEG analysis</i>		
Preprocessing and experimental design	28/01/2009	Maria Joao
Contrasts, inference and source localisation	04/02/2009	Vladimir Litvak
<i>Connectivity analysis</i>		
Introduction to connectivity – PPI and SEM	11/02/2009	Andre Marreiros
DCM for fMRI – theory and practise	18/02/2009	Andre Marreiros
DCM for ERP/ERF	25/02/2009	Rosalyn Moran
<i>What else can you do with (f)MRI?</i>		
Voxel Based Morphometry	04/03/2009	John Ashburner
Diffusion Tractography Imaging	11/03/2009	Zoltan Nagy

Extra time
Extra time

18/03/2009
25/03/2009