Statistical Methods for Cognitive Psychologists

Michaelmas Term 2014

9 Oct  Exploratory Data Analysis
16 Oct  Simple and multiple linear regression
23 Oct  The General Linear Model and complex designs including analysis of covariance
30 Oct  No talk this week
6 Nov   Categorical data analysis
13 Nov  ANOVA of balanced multi-factorial designs: between subject designs, and single subject studies
20 Nov  Repeated measures and mixed model ANOVA
27 Nov  Post-hoc tests, multiple comparisons, contrasts and handling interactions
4 Dec   Power analysis
11 Dec  Latent variable models: factor analysis and all that

Level: This is a course planned with the needs in mind of a graduate student starting as a PhD student at the MRC Cognition and Brain Sciences Unit.

Style: The presentation will be as fairly formal lectures, each aiming to:
  • outline a particular class of methods
  • give examples of it being applied to realistic situations
  • indicate how to implement it using software available at CBU.

All talks will be given by Peter Watson of the CBU.

Talks will take place on Thursday mornings at 11 am, until noon, in the Lecture Theatre at the MRC Cognition and Brain Sciences Unit, 15 Chaucer Road, Cambridge CB2 7EF.

Please note - There is only limited parking available on site. If all spaces are taken please do not park illegally on the road outside and in particular, do not park on the verges or block the footpaths.

For any enquiries, or if you would prefer to receive this list electronically, or not receive it at all, please email mandy.carter@mrc-cbu.cam.ac.uk.