**Statistics teaching within UK degree programmes in Medicine and allied health sciences, including through undergraduate and postgraduate entry schemes and intercalation**

Note. This particular form is not for inclusion of details of statistical teaching in Masters and PhD programmes.

Institution : King's College London

Overview: **Our Stats group provides a range of undergraduate and post-graduate lectures and tutorials in medical statistics and clinical epidemiology, including MBBS1, MBBS2, and taught Masters level programmes.**

Type of undergraduate students:

Medical [x]  Dental [ ]  Biology[ ]

Mathematics [ ]  Other [x]  (please state: MPH)

Estimated total number of students: Varies from 450 in MBB1 to 50 in MPH, per group when separated : 15 for small group teaching

Academic years where medical statistics is taught: MMBS1, MBBS2, MPH and MRes.

No. estimated hours per academic year:

**Please add fields to the table below, where necessary, to reflect missing subjects. This can easily be achieved by right-clicking in the last row and choosing the option ‘insert’ to insert individual rows. You can in turn copy-paste the content from an existing row and edit the subject name to suit your purposes.**

|  |  |  |  |
| --- | --- | --- | --- |
| Subject | Concept | Calculations/equations\* | Descriptions/comments |
| Types of variable | [x]  | [ ]  |       |
| Distributions | [x]  | [ ]  | Normal/skewed |
| Summary Statistics | [x]  | [ ]  |       |
| Concepts of population and sample | [x]  | [ ]  |       |
| Confidence intervals | [x]  | [ ]  |       |
| Hypothesis testing, p-values | [x]  | [ ]  |       |
| Comparing two means | [x]  | [ ]  |       |
| Comparing two proportions | [x]  | [ ]  |       |
| Linear regression | [x]  | [ ]  |       |
| Logistic regression | [x]  | [ ]  |       |
| Graphs | [x]  | [ ]  |       |
| Survival analysis | [x]  | [ ]  | Post-graduate  |
| Multivariate analysis | [x]  | [ ]  | Post-graduate  |
| Critical appraisal | [x]  | [ ]  | MRes and MPH |
| Diagnostic tests | [x]  | [ ]  | MRes and MPH |
| Meta-analysis | [x]  | [ ]  | MBBS2/MPH |
| Randomised controlled trials | [x]  | [ ]  | MBBS2/MPH |

\*If applicable.

Assessment details: **At the end of the course or phase. The examination is designed to test students’ ability to apply and interpret statistics. There is also a written coursework report which counts towards end of course exams.**

Computer package used:

Stata [x]  SPSS [ ]  StatsDirect [ ]  S-plus [ ]  R [ ]

NCSS [ ]  Matlab [ ]  Other [ ] , please state which :

Recommended literature :

1. **Janet Peacock & Philip Peacock. The Oxford Handbook of Medical Statistics. Oxford University Press. 2010**

*Contact*

Name : Abdel Douiri Position : Lecturer in Medical Statistics

Email : abdel.douiri@kcl.ac.uk Address : Department Of Public Health Sciences. KCL, 42 Weston Street, London SE1 3QD, UK Telephone No. : + 44 (0) 207 848 8224

*Contact - tutors*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Department | Email | Address | Telephone Number |
| Prof. Janet Peacock | Public Health Sciences |  |  |  |
| Prof. Toby Prevost | Public Health Sciences |  |  |  |
| Dr. Victoria Cornelius | Public Health Sciences |  |  |  |
| Dr. Salma Ayis | Public Health Sciences |  |  |  |
| Dr. Yanzhong Wang | Public Health Sciences |  |  |  |
| Ms. Siobhan Crichton | Public Health Sciences |  |  |  |
| Miss Jessica Lo | Public Health Sciences |  |  |  |
| Ms. Mercy Ofuya | Public Health Sciences |  |  |  |
|  |  |  |  |  |

Other comments:

Information last up to date: 01/05/2013

Please return to Margaret MacDougall at Margaret.MacDougall@ed.ac.uk