

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: Queen’s University Belfast

Overview: Statistics is largely taught in the first year as part of a module with epidemiology, sociology and ethics. There are 4 statistics lectures and 3 statistics tutorials. All marks are examined by MCQs.

Type of students:

Medical Dental Biology

Mathematics Other (please state:)

Estimated total number of students: 280

Academic years where medical statistics is taught: 1

No. of estimated hours per academic year: 10

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Distributions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Summary Statistics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Concepts of population and sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Confidence intervals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hypothesis testing, p-values	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparing two means	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparing two proportions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Linear regression	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Logistic regression	<input type="checkbox"/>	<input type="checkbox"/>
Graphs	<input type="checkbox"/>	<input type="checkbox"/>
Survival analysis	<input type="checkbox"/>	<input type="checkbox"/>
Multivariate analysis	<input type="checkbox"/>	<input type="checkbox"/>
Critical appraisal	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>
Other (please state)	<input type="checkbox"/>	<input type="checkbox"/>

*If applicable.

Assessment details: **Multiple choice exam**

Computer package used:

Stata SPSS StatsDirect S-plus R
 NCSS Matlab Other , please state which : **NONE**

Recommended literature :

1) An Introduction to Medical Statistics – Martin Bland

2) Altman Practical statistics for medical research

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Contact - tutors

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Other comments:

Information last up to date: 04/09/2020

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