

Liverpool John Moores University

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Title: Statistics
Status: Definitive
Code: **7026PHEALT** (120255)
Version Start Date: 01-08-2019

Owning School/Faculty: Public Health Institute
Teaching School/Faculty: Public Health Institute

Team	Leader
Ivan Gee	Y

Academic Level: FHEQ7 **Credit Value:** 10 **Total Delivered Hours:** 20
Total Learning Hours: 100 **Private Study:** 80

Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	10
Practical	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	Workbook		100	

Aims

To provide knowledge and practical experience of using statistical approaches for public health research and epidemiology.

Learning Outcomes

After completing the module the student should be able to:

- 1 To develop practical skills in sophisticated analysis techniques.
- 2 To develop practical skills in presenting complex public health data using suitable charts and visualisations.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Data analysis workbook 1 2

Outline Syllabus

*Use and creation of:
commonly used public health measures such as standardised rates,
confidence intervals for descriptive data
regression models including linear, logistic and multiple regression models,
life expectancy calculations,
more complex graphical outputs.*

Learning Activities

The course will be highly practical with the majority of sessions involving practical experience of working with statistical tools, such as SPSS and Excel in order to develop analysis skills. The course will be supported with an extensive online resource which will provide opportunities for self directed learning using exercises and online tests.

Notes

The course will allow students to explore some of the more sophisticated data analysis and presentation methods used within modern public health practice.