

Module Specification



UNIVERSITY OF LONDON
INTERNATIONAL PROGRAMMES

LONDON SCHOOL of HYGIENE & TROPICAL MEDICINE



*** THIS NEW MODULE IS NOT AVAILABLE TO STUDY UNTIL OCTOBER 2018 ***

GENERAL INFORMATION

Module name	Analysing Survey and Population Data
Module code	DEM205
Module Organiser(s)	To be confirmed
Contact email	The LSHTM distance learning programmes and modules are run in collaboration with the University of London International Programmes. Enquiries may be made via their Student Advice Centre at: www.londoninternational.ac.uk/contact-us . (Enquiries from face-to-face i.e. London-based LSHTM MSc or research students regarding study of DL modules should be emailed to distance@lshtm.ac.uk .)
Home Faculty	Faculty of Epidemiology & Population Health London School of Hygiene and Tropical Medicine http://www.lshtm.ac.uk/eph/
Level	This module is at Level 7 (postgraduate Masters 'M' level) of the QAA Framework for Higher Education Qualifications in England, Wales & Northern Ireland (FHEQ).
Credit	LSHTM award 15 credits on successful completion of this module.
Accreditation	Not currently accredited by any other body.
Keywords	Quantitative methods; demography; statistics (including risk management); survey data.

AIMS, OBJECTIVES AND AUDIENCE

Overall aim	To introduce students to the analysis of large, population-based datasets, including cross-sectional and retrospective household surveys, panel and cohort studies, censuses, sample registration schemes and surveillance data.
Intended learning outcomes	By the end of this module, students should be able to: <ul style="list-style-type: none"> • Handle large datasets on a computer, and manipulate such data into the form required for different types of analysis • Conduct appropriate analyses of cross-sectional and longitudinal demographic data • Design and apply an analysis strategy using a variety of analytical approaches • Create a well-annotated and organized Stata .do file which would allow other researchers to understand and replicate your statistical analysis • Clearly present statistical findings in a report.

Target audience	<i>Analysing Survey & Population Data</i> is an elective module for all students on the DL PG Diploma/MSc Demography and Health programmes.
CONTENT	
Session content	<p>This module is still under development but is expected to include sessions addressing the following topics:</p> <p>Session 1 Data sources and structures Session 2 Cross tabulations, SVY commands: weights and clustering Session 3: Bivariate analysis: logistic regression in cross-sectional data Session 4: Generating statistics for sub-groups Session 5: Monitoring status changes: repeated measures and missing data Session 6 Multivariate analysis: logistic regression with longitudinal data Session 7 Birth cohort lifetables: wide and long files Session 8 Demographic surveillance: merging files on personal ID Session 9 Adult period life tables: simple STS commands Session 10 Hazard models: testing validity of assumptions Session 11 Multivariate analysis for rates</p>
TEACHING, LEARNING AND ASSESSMENT	
Study resources provided or required	<p>The following materials will be provided to students after registration for this module when the online learning site, Moodle, opens in October:</p> <ul style="list-style-type: none"> • A brief guide to studying the module. • The main learning materials (sessions listed above, provided on Moodle). • A reading list including details of both required and optional reading and links to selected papers. • A list of useful websites. <p>The School's Moodle site allows students to access a range of materials, including those listed above; participate in module-specific discussion forums and Collaborate sessions, and access the LSHTM online library resources.</p>
Teaching and learning methods	<p>Learning is self-directed against a detailed set of learning objectives using the materials provided. The key learning methods are:</p> <ul style="list-style-type: none"> • Reading and reflecting on the CAL (computer-assisted learning) materials which introduce, explain and apply the principles and methods covered in the module. • Reading and reflecting on provided materials which support the learning in the CAL sessions. This may include making use of the LSHTM online library resources. • Accessing academic support which is available from the module tutors through the web-based discussion forums and real-time sessions (using Blackboard Collaborate) in which students are encouraged to participate. • Completing formative assignment(s) and reflecting on written feedback from module tutors.
Assessment details	<p>Formal assessment of this module is expected to include an assessed assignment and an unseen written examination. If students fail the module overall, they are allowed one further attempt at the failed element (assignment or examination).</p>

Assessment dates	<p>Assignments for this module can be submitted only once annually, no later than 31 March and must be submitted via the online Assignment Management System.</p> <p>Unseen written examinations for DL modules are held once a year, in June (including resits). Examinations are normally taken in a student's country of residence, in one of over 650 examination centres worldwide (arranged mainly through Ministries of Education or the British Council). A list of examination centres can be found at www.londoninternational.ac.uk/community-support-resources/current-students/examinations/examination-centres.</p> <p>A local fee will be payable direct to the examination centre. This fee is in addition to the programme/module fee and is set by, and paid directly to, the individual examination centres. The level of local examination centre fees varies across the world and neither the University of London International Programmes nor the LSHTM have any control over the fee amount.</p> <p>For students who are required to re-sit, or granted a deferral or new attempt at the written examination, the next examination date will normally be the following June.</p>
Language of study and assessment	English (please see 'English language requirements' below regarding the standard required for entry).
TIMING AND MODE OF STUDY	
Duration	<p>Students may start their studies once they have access to Moodle (usually from 1 October) and work through the material until the start of the June examinations (although assessment submission deadlines which are earlier than this must be observed).</p> <p>Students registering after September should note that introductory messages, and some online activities (for example Moodle discussions and/or real-time welcome sessions) may have already taken place before they get access to Moodle. All such messages and recordings (where applicable) will be available to access throughout the study year.</p>
Dates	Tutorial support for this module is available from the beginning of October through to the examination in June.
Mode of study	By distance learning
Learning time	<p>The notional learning time for the module totals 150 hours, consisting of:</p> <ul style="list-style-type: none"> • Directed self-study (reading and working through the provided module material) ≈ 80 hours • Self-directed learning (general reading around the subject, library, Moodle discussion forums) ≈ 30 hours • Assessment, review and revision ≈ 40 hours.
APPLICATION, ADMISSION AND FEES	
Pre-requisites	<p>Those wishing to study this module must have already studied and passed DEM101 Introduction to Demographic Analysis and completed EPM102 Statistics with Computing prior to studying this module. They must also have regular access to the internet to participate in module-specific discussions on Moodle, benefit from online library facilities and submit assignments.</p>

English language requirements	A strong command of the English language is necessary to benefit from studying the module. Applicants whose first language is not English or whose prior university studies have not been conducted wholly in English must fulfil LSHTM's English language requirements , with an acceptable score in an approved test taken in the two years prior to entry. Applicants may be asked to take a test even if the standard conditions have been met.
Student numbers	This module starts in October 2018. The number of students actively studying this module is expected to be 5-10 students in the first year.
Student selection	This module is an elective for students registered on the DL PG Diploma/MSc Demography and Health programmes. This module will also be open to LSHTM research degree students via the mixed mode study option.
Fees	The current schedule of fees can be viewed at www.londoninternational.ac.uk/fees (click on the LSHTM course link).
Scholarships	Scholarships are not available for individual modules. Some potential sources of funding are detailed on the LSHTM website.
Admission deadlines	<p>Applications for LSHTM distance learning programmes and modules are managed by the University of London International Programmes. To apply to take a formal award (i.e. PG Certificate, PG Diploma or MSc), click the relevant link at http://www.londoninternational.ac.uk/courses/postgraduate/lshtm/demography-health-msc-pg-dip-pg-cert</p> <p>Key deadlines are as follows:</p> <ul style="list-style-type: none"> ➤ Application deadline: 31 August each year ➤ Registration deadline 30 September each year <p><i>(Please note that the academic year starts 1 October. If students are permitted to register after 1 October they should note that module welcome and Collaborate sessions held in October are recorded. Requests for extensions to assignment submission deadlines and applications for examination extenuating circumstance as a result of registering later than 1 October will not be considered.)</i></p> <p>(In-house LSHTM research students wishing to study this module should note information given in the mixed mode study option links for DrPH/research degree students at http://intra.lshtm.ac.uk/edu/researchdegrees/rdsupportframework/profdev/rd_mixedmodeinformation.pdf.)</p>
ABOUT THIS DOCUMENT	
This module specification applies for the academic year 2017/18	
Last revised/approved 21/03/16 by Susie Schaffnit (content); update Sue Horrill (6/05/17)	
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