

Introduction to Statistical Software Stata® and Electronic Data Capture Software REDCap

Description

This course is divided in two parts: Part 1 is a practical introduction to Stata®, a statistical analysis software (www.stata.com). The following topics will be covered: data import and export, data manipulation, statistical analysis, graphical representation and an introduction on loops (repetitive tasks). We will also show how to use additional user written commands that are not “official Stata”. Students should bring their own laptop for the practical work.

Part 2 is a short introduction to the electronic data capture software REDCap, a secure web application for building and managing online surveys and databases. The course covers the basic steps to build up a small study with simple data entry forms.

Participants should have basic statistical knowledge. Programming skills are not required.

As Stata is a commercial software product, we will make a temporary licence available for the course.

Objectives

By the end of part 1, students will be able to run a typical STATA project: import data from text or Excel files, perform data manipulation (including using labels), save manipulated data, perform simple statistical analysis and graphical representation of the data. By end of part 2, students will be able to setup a simple survey with the basic types of questions for the data entry with REDCap.

Dates

November Wed 7- Fri 9, 2018

Eligibility

Open to PhD students of SSPH+ public health program, to other students and other interested people (with preference for the SSPH+ PhD students in case of limited places).

Participants must bring their own laptops.

SSPH+PhD Program:

Program Coordination Ann Walser

Academic Lead Prof. Matthias Egger
Prof. Thomas Abel

Contact:

Address

ISPM Bern
Finkenhubelweg 11, CH-3012 Bern

Telephone

+41 31 631 58 94

Email

phdph@ssphplus.ch

Website

www.ssphplus-phd.ch

PhD Program in Public Health

Course Structure	Lessons and practical exercises.												
Assessment	A little project (exam) will have to be completed after the course. The exam will be similar in scope and difficulty to the practical exercises of the course.												
Credits	1 ECTS Preliminary Work: 1 h, Contact: 21 h, Wrap-Up Work: 7 h (1 ECTS corresponds to appr. 30 hours' work)												
Facilitator	Dr. Adrian Spoerri, MPH PhD, SwissRDL, Institute of Social and Preventive Medicine (ISPM), University Bern												
Location	University of Bern, Room: tba												
Course Fees	<table border="0"> <tr> <td>SSPH+ PhD Students</td> <td>0.- CHF</td> </tr> <tr> <td>Applying SSPH+ Students</td> <td></td> </tr> <tr> <td>External PhDs</td> <td>300.- CHF</td> </tr> <tr> <td>MD Students</td> <td></td> </tr> <tr> <td>Other Academics</td> <td>850.- CHF</td> </tr> <tr> <td>Industry</td> <td>1250.- CHF</td> </tr> </table> <p>(Participants are asked to pay 300.- CHF, 850.- CHF or 1250.-CHF per ECTS.)</p>	SSPH+ PhD Students	0.- CHF	Applying SSPH+ Students		External PhDs	300.- CHF	MD Students		Other Academics	850.- CHF	Industry	1250.- CHF
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Registration	Please register online on our website												
Deadline	October 7, 2018												
Max. Attendance	20 (preference is given to SSPH+ PhD Students)												

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Email phdph@ssphplus.ch
Website www.sspplus-phd.ch