SSPH+ INTER-UNIVERSITY GRADUATE CAMPUS SWISS SCHOOL OF PUBLIC HEALTH

in collaboration with UNIVERSITÄT BERN

Introduction to Statistical Software Stata and Electronic Data Capture Software REDCap

Facilitator	**Dr. Adrian Spoerri**, MPH PhD, SwissRDL, Institute of Social and Preventive Medicine (ISPM), University Bern **Dominik Güntensperger**, PhD, Clinical Trials Unit CTU, University of Bern
Description	This course is divided in two parts: Part 1 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 offers a basic introduction to clinical data management and covers the basic steps involved when building up a small study database. Additionally, useful tips regarding the design of Case Reports Forms (CRFs) are provided. Part 2 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. Participants should have basic statistical knowledge. Programming skills are not required. As Stata is a commercial software product, we will make a temporary license available for the course.
Objectives	By end of part 1, students will be able to set up their own database in REDCap. By the end of part 2, 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.
Dates	**23 – 25 November 2022**

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Eligibility	Open to PhD students of the SSPH+ Inter-university Graduate Campus, to other students and other interested people. Participants must bring their own laptops.
Course Structure	Lessons and practical exercises.
Assessment	A little Stata 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 time 21 h; Wrap-Up Work 7 h (1 ECTS corresponds to appr. 25-30 hours workload)
Location	**23 November, online on zoom** **24-25 November, ISPM Bern**, Mittelstrasse 43, 3012 Bern, **room 220**
Course Fees	SSPH+ PhD Students 30.- CHF (processing fee) External MD/PhD Students 300.- CHF External Academics 850.- CHF Other Participants 1250.- CHF (The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300,- CHF, 850,- CHF or 1250,-CHF, respectively)
Registration	**https://www.conftool.com/ssph-phd-courses2022**
Deadline for Registration	**23 October 2022**

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