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

in collaboration with

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UNIVERSITÄT BERN

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

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| **Facilitator** | **Dr. Adrian Spoerri**, MPH PhD, SwissRDL, Institute of Social and Preventive Medicine (ISPM), University Bern |
| | **Yves Bochud**, MSc, CTU Bern, University 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** | **25 – 27 November 2020** |

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| **Eligibility** | Open to PhD students of SSPH+ public health program, 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** | ISPM Bern, Mittelstrasse 43, 3012 Bern, room 220 |

| **Course Fees** | | |
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| | SSPH+ PhD Students | 30.- CHF (processing fee) |
| | PPHS 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** | Please register online on our website |
| **Registration date** | **25 October 2020** |

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