Systematic Reviews and Meta-Analysis: a Practical Approach

Facilitator

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Description

As part of their PhD, many students will have to do one or several systematic reviews, and some students will also want to combine results from several studies in meta-analysis. This intensive 3-day course will cover the principles and practical steps of systematic reviews, including the design and conduct of comprehensive literature searches, data extraction and presentation, assessment of bias in the included studies, synthesis of data and examination of publication bias and other biases. The statistical methods for combining results in meta-analysis will also be covered and the course will include practical exercises in R.

Objectives

To enable PhD students to conduct systematic reviews and meta-analyses as part of their PhD work, under the supervision of experienced reviewers.

Dates

17 – 19 October 2022

Eligibility

Students who intend to do systematic reviews with or without formal meta-analysis. Students should have a basic understanding of the design, analysis and strengths and weaknesses of randomised clinical trials and epidemiological studies.

Course Structure

The course will include lectures, pen and paper exercises, group work and computer practicals. PhD students will be involved as lecturers and tutors. Students will have to read several papers before the course and may continue working on the R practicals after the course.
Assessment  A self-assessment will be done before and after the course.

Credits  1 ECTS
Preparation Work: 5 h, Contact: 20 h
(1 ECTS corresponds to appr. 25-30 hours workload)

Location  ISPM Bern, Mittelstrasse 43, 3012 Bern, room tba

Course Fees  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  https://www.conftool.com/ssph-phd-courses2022

Deadline for Registration  17 September 2022