

Systematic Reviews and Meta-Analysis: a Practical Approach

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| Facilitator | <p>Prof. Georgia Salanti University of Bern, Institute of Social and Preventive Medicine</p> <p>Prof. Matthias Egger University of Bern, Institute of Social and Preventive Medicine</p> |
| Description | <p>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.</p> |
| Objectives | <p>To enable PhD students to conduct systematic reviews and meta-analyses as part of their PhD work, under the supervision of experienced reviewers.</p> |
| Dates | <p>17 – 19 October 2022</p> |
| Eligibility | <p>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.</p> |
| Course Structure | <p>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.</p> |

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| 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 | <table><tr><td>SSPH+ PhD Students</td><td>30.- CHF (processing fee)</td></tr><tr><td>External MD/PhD Students</td><td>300.- CHF</td></tr><tr><td>External Academics</td><td>850.- CHF</td></tr><tr><td>Other Participants</td><td>1250.- CHF</td></tr></table> <p>(The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300,- CHF, 850,- CHF or 1250,-CHF, respectively)</p> | SSPH+ PhD Students | 30.- CHF (processing fee) | External MD/PhD Students | 300.- CHF | External Academics | 850.- CHF | Other Participants | 1250.- CHF |
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| Other Participants | 1250.- CHF | | | | | | | | |
| Registration | https://www.conftool.com/ssph-phd-courses2022 | | | | | | | | |
| Deadline for Registration | 17 September 2022 | | | | | | | | |