Graduate School for Cellular and Biomedical Sciences and Graduate School for Health Sciences, University of Bern

Book Club: Essential Medical Statistics 2020

Time: Once per month (12:30-14:00, normally on Wednesday or Thursday), from March to November 2020.

Organiser: Professor Marcel Zwahlen, Institute of Social and Preventive Medicine (ISPM), University of Bern.

Venue: ISPM, Mittelstrasse 43, 3012 Bern
Diverse Seminar rooms, see schedule

Outline: We will read and discuss selected chapters of the book entitled “Essential Medical Statistics,” by Betty R. Kirwood and Jonathan A.C. Sterne (Blackwell Publishing, 2003). In previous years, this book has served as basis for basic and more advanced biostatistics courses held within the “Master of Public Health” programme of the Universities Basel, Bern and Zürich. Participants have to buy their own copy of the book or can get a pdf copy of it from the ISPM library. The book focuses on statistical methods that are currently used in medical research, including chapters on using regression models and the presentation and interpretation of their results. The main statistical paradigm is the one of estimation of quantities of interest and their 95% confidence intervals. Sessions will be led by book club participants. The session leaders will present selected chapters from the book using slides and/or illustrations of output from practical exercises. The data for these practicals will be provided as Stata files and the analyses will be done using STATA Statistical Software. The Statistical software will not be provided by the course organisers. Participants are expected to obtain themselves a licence of this software. The book club is open to: PhD students of the Graduate School for Cellular and Biomedical Sciences and the Graduate School for Health Sciences, University of Bern; staff members of ISPM Bern; interested medical students; any other interested health professional or Researcher.

To obtain the credits, one needs

Credits:

- Requirements for 2 ECTS: at least 80% attendance and to present at one of the 8 sessions.

- Requirements for 3 ECTS: at least 80% attendance and to present at one of the 8 sessions and passing the exam. The exam will be a little case study in which certain analyses need to be done using Stata.

Registration and Information: by e-mail to Franziska Müller (franziska.mueller@ispm.unibe.ch), with a copy to Marcel Zwahlen (marcel.zwahlen@ispm.unibe.ch).