Applied Logistic Regression

Facilitator	**Prof. Stanley Lemeshow,** PhD, MSPH Professor, Division of Biostatistics College of Public Health The Ohio State University Columbus, OH, USA **PD Dr. Ben Spycher**, PhD Institute of Social and Preventive Medicine, University of Bern
Description	This course provides theoretical and practical training on the popular logistic regression model, which has become the standard analytical method for use with a categorical response variable. This is a hands-on, applied course where students will become proficient at using computer software (Stata or R) to analyze data drawn from the fields of medicine, epidemiology, and public health.
Objectives	By the end of this course, students should: • Master methods of statistical modeling when the response variable is binary. • Be confident users of Stata or R computing binary logistic regression models.
Dates	**11 – 15 March 2019 (Mon – Fri)**
Eligibility	PhD students and Epidemiologists and professionals in public health, medicine, and related disciplines that utilize statistical modeling.
Course Structure	This course includes lectures as well as many practical examples, exercises and homework. Exercises will use the Stata software package. Access to Stata will be provided at no cost for the duration of this course.

Support will also be provided for R users. On the first day, Mon 11, we will review basic statistical concepts and linear regression (taught by PD Dr. Ben Spycher, ISPM Bern).

Assessment	Daily quizzes
	Multiple choice test on day 5

Credits

2 ECTS

Preparation work: 8 h; Contact: 5x5 h; Computer lab: 5x2 h; home-work during the course: 5 h

(1 ECTS corresponds to appr. 25-30 hours workload)

Location

University Bern, room 304 at main building of University Bern, Hochschulstrasse 4, 3012 Bern

Course Fees

SSPH+ PhD Students	30.- CHF (processing fee)
PPHS PhD Students	30.- CHF (processing fee)
External MD/PhD Students	600.- CHF
External Academics	1700. - CHF
Other Participants	2500. - 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](#)

Deadline

11 February 2019