

# 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

**9 – 13 March 2020**

## 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 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, Hallerstrasse 6, room 205											
Course Fees	<table><tr><td>SSPH+ PhD Students</td><td>30.- CHF (processing fee)</td></tr><tr><td>PPHS PhD Students</td><td>30.- CHF (processing fee)</td></tr><tr><td>External MD/PhD Students</td><td>600.- CHF</td></tr><tr><td>External Academics</td><td>1700.- CHF</td></tr><tr><td>Other Participants</td><td>2500.- CHF</td></tr></table> (The cost scheme depends on the Number of ECTS. Per ECTS participants are asked to pay 300,- CHF, 850,- CHF or 1250,-CHF, respectively)		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
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Registration	<a href="#">Please register online on our website</a>											
Deadline	9 February 2020											