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Ökologische Beratung, Planung  
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## Own data workshop

# Analysis of ecological data with and WinBUGS

25 – 27 November 2013, Switzerland

Bring your own data, stay at a remote place in the Swiss Alps, analyse your data with the help of experienced data analysts and ecologists.

Participants send us a short description of their data and projects before the start of the workshop. During the first day, we give short inputs on statistical methods related to the projects of the participants. These inputs may include: Bayesian data analysis, generalised linear (mixed) models, introduction to WinBUGS, zero-inflated, overdispersed or censored data. During the next two days, participants work on their own data guided by us. At the end of the course, participants shortly present the results.

For drawing conclusions we will primarily use Bayesian methods because in hierarchical and more complicated models this is the way to draw conclusions, and because probabilities of meaningful hypotheses can be estimated. We follow the principals of Gelman & Hill 2007, *Data Analysis Using Regression and Multilevel/Hierarchical Models*, Cambridge University Press.

Date: 25. – 27. November 2013

Location: Thalerlotsch, Thalkirch, [http://www.thalerlotsch.ch/index\\_lo.html](http://www.thalerlotsch.ch/index_lo.html)  
(mountain hut standard, bring your sleeping bag)

Teachers: Fränzi Korner-Nievergelt, oikostat GmbH, Ettiswil ([oikostat.ch](http://oikostat.ch))  
Tobias Roth, Hintermann & Weber AG, Reinach ([hintermannweber.ch](http://hintermannweber.ch))

Course form: Short inputs and workshop (guided work on own data)  
The number of participants is limited to 12.  
Participants are expected to bring their own laptop with the latest version of R and WinBUGS installed (internet connection limited).

Duration: From the evening of 24 Nov 18 p.m. to 27 Nov 16 p.m.

Costs: Student price CHF. 800.- / regular price CHF 900.-  
(accommodation and meals inclusive)

Registration and information: Tobias Roth, [roth@hintermannweber.ch](mailto:roth@hintermannweber.ch)