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# PhD Workshop

(also open to advanced MA students)

## Statistical Data Analysis for Linguists

09<sup>th</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> of May 2014 | 9:15 AM – 17 PM | University of Bern

Jan Vanhove (University of Fribourg)

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### Doctoral Programme *Studies in Language and Society*

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#### Target audience:

The workshop is aimed at PhD students and advanced MA students. It is open to participants from the University of Bern and from our partner institutions, especially in the doctoral programme (Fribourg: Multilingualism: Acquisition, Education, and Society, Zurich: Transcultural Processes in Iberoromania, Zurich: Linguistics), and in the Network of Centres for Linguistics and Research Groups in Europe (LingNet Europe).

#### Place and Time:

University of Bern, Länggassstr. 49, room B186 (Institut für Sprachwissenschaft, 1st floor).  
9<sup>th</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> of May 2014,  
9:15 AM – 17 PM

#### Credits:

1 ETCS credit point

#### Registration:

Students of the University of Bern register on KSL, other participants send an e-mail to Nadja Bucheli:  
nadja.bucheli@csls.unibe.ch

#### Content

This workshop is a hands-on introduction to the quantitative analysis of linguistic data. It is geared primarily towards linguists with little or no experience in analysing quantitative data. We will use the software package R.

The general sessions will be conducted in English.

#### Part 1 (9th of May):

During the first part, the nuts and bolts of statistical analysis will be introduced. Topics to be covered include:

- exploratory data analysis using graphics and descriptive statistics
- goals and logic of inferential (frequentist) statistics
- an introduction to R (open-source statistical software)
- basic analytical tools and tests in R
- peculiarities of linguistic data (e.g. the 'language-as-fixed-effect' fallacy)

Depending on the datasets to be analysed in the second part and requests from the participants, more advanced tools can be introduced as well.

#### Part 2 (22nd and 23rd of May):

During the second part, we will take a closer look at the participants' own datasets in individual sessions. Issues that arise during these individual sessions and are deemed to be of general importance will be taken up again in plenary sessions.

#### Doktoratsprogramm Studies in Language and Society

Der Workshop ist Teil des Doktoratsprogramms Studies in Language and Society, das vom Center for the Study of Language and Society der Universität Bern in Kooperation mit dem Institut für Mehrsprachigkeit der Universität Freiburg, dem Romanischen Seminar der Universität Zürich und dem Doktoratsprogramm Linguistik der Universität Zürich durchgeführt wird. Weitere Informationen: [www.csls.unibe.ch](http://www.csls.unibe.ch)



**CSLS**

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