



Florian Klinglmueller

Medical Statistician

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floatofmath

Mail

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Web & Git

float.lefant.net
github.com/floatofmath

Languages

German ★★★★★
English ★★★★★
Italian ★★★☆☆

Software

Operating systems:
Linux, Unix,
Programming:
R, Python, Julia,
Emacs-lisp, C,
Statistical software:
RStudio, SPSS, SAS,
East, Addplan

Interests

free and open-source
software, net culture,
cycling, cooking

Main research interests

Statistical methodology

Adaptive designs, parametric and non-parametric multiple testing procedures, simultaneous confidence intervals, order-restricted inference, microarray data preprocessing, computational statistics

Application

Clinical trials, DNA microarray studies, genome wide association studies, next generation sequencing data

IT Hard and Software

Statistical programming, data visualization, parallel computing, cloud based high performance computing, UNIX server administration

Academic

01/14 - now	Assistant Professor Medical University of Vienna - Austria Section for Medical Statistics - CEMSIIS Head: statistical genetics and bioinformatics working group, research on statistical methodology, consulting to clinical and genetic research projects, teaching within medical curriculum, maintenance of high performance computer cluster
04/13 - 12/13	Post-Doc Position Medical University of Vienna - Austria Section for Medical Statistics - CEMSIIS Research on statistical methodology, consulting to genetic research projects, teaching within medical curriculum
11/11 - 04/13	PhD - Technical Mathematics Vienna University of Technology - Austria Main subjects: adaptive designs, multiple testing Thesis: <i>Flexible tests for clinical trials testing multiple hypotheses</i> Adviser: Martin Posch
01/09 - 12/13	Research associate Medical University of Vienna - Austria Section for Medical Statistics - CEMSIIS Research on statistical methodology, consulting to genetic research projects, teaching within medical curriculum
12/06 - 12/08	Research associate Medical University of Vienna - Austria DNA Microarray Facility - Dept. of Laboratory Medicine Statistical consulting to genetic research projects
10/00 - 04/08	MSc - Technical Mathematics Vienna University of Technology - Austria Main subjects: statistics, econometrics Thesis: <i>Statistical Methods for Class Discovery and Analysis in Gene Expression Profiling Studies</i> Adviser: Peter Filzmoser, Martin Bilban
02/06 - 06/06	Erasmus exchange student Marmara University, Istanbul - Turkey Main subjects: econometrics, operations research
07/03 - 10/04	Civilian service Foundation open society institute, Skopje - Macedonia Studies suspended for 15 months to fulfill civilian service

Industry

- 06/13 - 09/13 **Postdoctoral Intern** [Novartis Pharma AG, Basel - Switzerland](#)
Statistical Methodology Group
Research project with Willi Maurer: *Multiple testing procedures for logically dependent hypotheses*
- 09/08 - 10/09 **Software consultant** [ARES GmbH, Vienna - Austria](#)
working at: Dept. f. Biomedical Computersimulation and Bioinformatics - Medical University of Vienna
Planning and development of a web-based bioinformatics platform, statistical consulting to genetic research projects
- 06/05 - 12/05 **Systems administrator** [Web - Tech Inc., Vienna - Austria](#)
Setup and administration of Linux web-servers
- 06/05 - 06/14 **Systems administrator (non-profit)** [Primary School, Niederthalheim, Austria](#)
Setup and administration of computer lab

International

- 06/13 - 09/13 **Novartis Pharma AG, Basel - Switzerland**
Postdoctoral Intern: Statistical Methodology Group
- 09/11 **Harvard School of Public Health, Boston - USA**
Guest researcher: Dept. Biostatistics
- 04/07 - 06/07 **Harvard Medical School, Boston - USA**
Guest researcher: Lab of Leo E. Otterbein
- 02/06 - 07/06 **Marmara University, Istanbul - Turkey**
Exchange student: Faculty of Economics
- 07/03 - 10/04 **Foundation Open Society Institute, Skopje - Macedonia**
Project Assistant: Education Department

Awards

- 09/13 **Arthur Linder Award**
Young Statisticians Award of the Austro-Swiss Region of the IBS

Selected publications

Adaptive graph-based multiple testing procedures

F. Klinglmueller, M. Posch, F. Koenig

Pharmaceutical Statistics 13.6 (2014) pp. 345–356. DOI: 10.1002/pst.1640

Simultaneous confidence intervals that are compatible with closed testing in adaptive designs

D. Magirr, T. Jaki, M. Posch, F. Klinglmueller

Biometrika 100(4) (2013) pp. 985–996. DOI: 10.1093/biomet/ast035

Cross-platform comparison of microarray data using order restricted inference

F. Klinglmueller, T. Tuechler, M. Posch

Bioinformatics 27.7 (2011) pp. 953–960. DOI: 10.1093/bioinformatics/btr066

Selected talks

Adaptive graph-based multiple testing procedures

F. Klinglmueller, F. Koenig, M. Posch

Invited talk: KOL Lecture Series on Adaptive Design, 2014

Adaptive designs for confirmatory clinical trials

F. Klinglmueller

Seminar, Dept. Statistical Sciences, University of Padova, Padova, Italy, 2014

Matroids & testing in families of algebraically dependent and contextually related hypotheses

F. Klinglmueller, W. Maurer

60. Biometrisches Kolloquium, Bremen, Germany, 2014

Weighted Adaptive Closed Tests for Clinical Trials Testing Complex Multiple Hypotheses

F. Klinglmueller, F. Koenig, M. Posch

Invited talk: JSM, San Diego, USA, 2012

Flexible tests for clinical trials with complex multiple hypotheses

F. Klinglmueller, F. Koenig, M. Posch

Special Seminar: Dep. Biostatistics, Harvard School of Public Health, Boston (MA), USA, 2011

Review

I regularly review articles for scientific journals including:

Statistics in Medicine, Journal of Statistical Software, Biometrical Journal, Statistical Applications in Genetics and Molecular Biology, Nature - Scientific Reports

Teaching

09/14	Introduction to R for data analysis in genetics Course within the Human Resources Development program	Medical University of Vienna
04/14 - now	Methods Seminar: Statistics (annually) Statistical support for master students of medicine	Medical University of Vienna
03/10 - now	BL 17 - Methods of medical science (annually) Introduction to statistics for medical students	Medical University of Vienna
09/11	Graphical Approaches for Multiple Comparison Procedures Cambridge, USA Shortcourse	Cytel Inc.
05/09	BL 24 - Methodology of medical studies (SSM3) Introduction to microarray data analysis	Medical University of Vienna