



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: *Flexible tests for clinical trials testing multiple hypotheses*

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: *Statistical Methods for Class Discovery and Analysis in Gene Expression Profiling Studies*

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 Statistical Methodology Group Research project with Willi Maurer: <i>Multiple testing procedures for logically dependent hypotheses</i>	Novartis Pharma AG, Basel - Switzerland
09/08 - 10/09	Software consultant 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	ARES GmbH, Vienna - Austria
06/05 - 12/05	Systems administrator Setup and administration of Linux web-servers	Web - Tech Inc., Vienna - Austria
06/05 - 06/14	Systems administrator (non-profit) Setup and administration of computer lab	Primary School, Niederthalheim, Austria

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
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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