

Dr. Kristian Rother

I am a senior programming trainer, author and team leader from southwest Berlin. I am seeking leadership roles in education.

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www.academis.eu



Skills

Programming

Python
C++
Java,
R
JavaScript
Pascal
Fortran
Assembler

Data Infrastructure

SQL
MongoDB
Lucene
ETL / Airflow,
Docker,
AWS
Unix Administration

Software Engineering

Agile / Scrum
Unit Testing / TDD
git / CI / CD

Data Science

Exploratory Analysis
Machine Learning
Deep Learning

Soft Skills

team leadership
teaching
mentoring
public speaking

Languages

German (native)
Finnish (native)
English (advanced)
Polish (business fluent)
Latin (9 years)

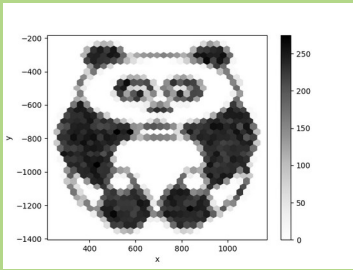
Career

2018-2021	Data Science Lead Coach, Spiced Academy Team leader for 12 teachers in the Spiced Data Science boot camp. Launched and grew the course from 2 to 150+ students per year. Graduated 42 cohorts and 400+ students.
2011-2018	Professional trainer, Academis Tailored courses on programming, software engineering, data infrastructure
2014-2018	Lecturer, Freie Universität Berlin Programming courses in Python / C++
2013-2018	Lecturer, Medical School Hamburg Courses in Biochemistry, Research Methodology and statistics for medical and rescue staff
2006-2011	Scientific Software Developer, Bujnicki lab, IIMCB Warsaw prediction of RNA 3D structures, senior postdoc for 10+ junior scientists

Education

2002-2006	Doctoral thesis, Dept. of Biology, HU Berlin DB design, web scraping, ETL, descriptive statistics, 3D geometry Efficient use of a Protein Structure Annotation Database
1996-2002	Diploma of Biochemistry, FU Berlin

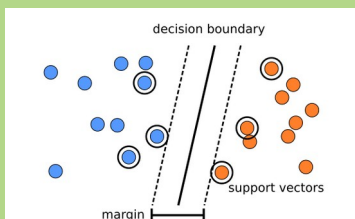
Teaching Artwork



hexagonal plot



Monte Carlo simulation



Support Vector Machine



Decision Tree prediction

Books

[Pro Python Best Practices: Debugging, Testing and Maintenance](#)

Kristian Rother, Apress (2017)

[Managing Your Biological Data with Python](#)

Allegra Via, Kristian Rother and Anna Tramontano, CRC Press (2014)

Book Translations

[Praxiseinstieg Machine Learning mit Scikit-Learn und TensorFlow](#)

Aurélien Géron, O'Reilly (2017) + 2nd edition (2020)

[Einführung in Machine Learning mit Python](#)

Andreas Müller, Sarah Guido, O'Reilly (2017)

[Einführung in Data Science](#)

Joel Grus, O'Reilly (2016) + 2nd edition (2019)

[Datenanalyse mit Python](#) (with Christian Tismer)

Wes McKinney, O'Reilly (2015) + 2nd edition (2018)

[Einführung in TensorFlow](#) (with Thomas Lotze)

Tom Hope, Yehezkel S. Resheff, Itay Lieder, O'Reilly (2018)

Selected Publications

[Best practices in bioinformatics training for life scientists.](#)

Via A, Blicher T, Bongcam-Rudloff E et al. Brief Bioinform. 2013 Sep;14(5):528-37.

[A toolbox for developing bioinformatics software.](#)

Rother, Potrzebowski, Puton et al. Briefings in Bioinformatics 2011.

[Multi-Stage Learning Aids applied to hands-on software training.](#)

Rother, Rother, Pleus & Upmeier zu Belzen. Briefings in Bioinformatics 2010.

[RNA tertiary structure prediction with ModeRNA.](#)

Rother, Rother, Puton et al. Briefings in Bioinformatics 2011 Nov;12(6):601-13.

[all publications](#)