Laurens Bogaardt

Address	**Email** LBogaardt@gmail.com	**Date of birth** 14-04-1989
K . . . R	**LinkedIn** linkedin.com/in/lbogaardt	**Nationality** Dutch
Utrecht, the Netherlands	**Tel/Mobile** +31 (0)6 1 . . . 3	**Gender** Male

Work Experience

Aug 19 - Present **Statistician at RIVM**
I collaborate as a statistician and modeller on projects at various departments within RIVM.

Sep 17 - Aug 19 **Research Engineer at Netherlands eScience Center**
I collaborated as a researcher on scientific projects at various Dutch universities. These projects all had a mathematical-, statistical- and/or computer-modelling element.

Sep 16 - Aug 17 **Advisor Data Analytics at EY**
I worked as a consultant on projects for large firms, giving clients insight into their data by creating data visualisations and helping improve their performance using statistical analyses.

Sep 15 - Aug 16 **Software Engineer at Bol.com**
I worked as part of a scrum team within the online marketing department at Bol.com on Search Engine Optimisation & Advertising using i.a. distributed data processing.

Apr 15 - Jul 15 **Research Assistant at University of Cambridge**
I assisted two professors at the Faculty of Economics on projects related to innovation, complex networks and the evolutionary origin of inequality aversion.

Oct 14 - Feb 15 **Trainee at European Commission**
I worked for the EU Satellite Navigation Programme 'Galileo' within DG Enterprise. As part of the Programme Management, I helped out with administration and supported the communication between the Commission and the EU's Member States.

Education

Oct 13 - Sep 14 **MPhil in Zoology**
University of Cambridge, Cambridge, United Kingdom
Research on Evolutionary Game Theory, Animal Behaviour and Communication
Awarded the Prins Bernhard Cultuurfonds scholarship

Sep 12 - Sep 13 **MSc in Theoretical Physics**
Imperial College London, London, United Kingdom
Various courses including Quantum Field Theory, Unification, General Relativity

Sep 11 - Aug 12 **MSc in Economics**
Lund University, Lund, Sweden
Various courses with a focus on Microeconomics, including Microeconomic Analysis, Economic and Financial Decision Making, Game Theory and Strategic Interactions

Feb 08 - Aug 11 **BSc in Physics** (cum laude) and **BA in Economics** (magna cum laude)
University College Utrecht, Universiteit Utrecht, Utrecht, the Netherlands
Liberal Arts and Sciences programme, including courses in Physics, Mathematics, Chemistry, Economics, Statistics, Political Science, Complex Network Dynamics
Total mark: GPA 3.78 out of 4.00

Sep 07 - Dec 07 **Gap period** with i.a. Conservation Volunteers Australia

Sep 95 - Aug 07 **European Baccalaureate**
European School of Brussels II, Brussels, Belgium
Broad curriculum (eleven subjects), including Mathematics, Physics, Chemistry, Economics
Awarded 2nd prize for outstanding achievement in the Sciences
Total mark: 84.92%

Publications

- L. Bogaardt & R. A. Johnstone, 'Amplifiers and the Origin of Animal Signals', *Proceedings of the Royal Society B*, 2016-06-08; 283:1--6. doi:10.1098/rspb.2016.0324.
- L. Bogaardt & F. W. Takes, 'Estimating Subgraph Generation Models to Understand Large Network Formation', *2018 IEEE 14th International Conference on e-Science*, 2018-10-29; 375-376. 10.1109/eScience.2018.00106.
- L. Bogaardt & R. Goncalves & R. Zurita-Milla & E. Izquierdo-Verdiguier, 'Dataset Reduction Techniques to Speed Up SVD Analyses on Big Geo-Datasets', *Int. J. Geo-Inf*, 2019-01-26; 8:1--13. doi:10.3390/ijgi8020055.

Other Work

Jan 2018-Present: I am the lead of the Statistics group at my current job, where I organise regular talks about statistical concepts, methods and software with the purpose of sharing knowledge among colleagues and further developing our skills.

2013-2014: Master's Thesis in Zoology on a type of animal communication. In particular, I modelled the evolution of 'amplifiers'. I programmed and wrote my research in Mathematica and LaTeX.

Summer 2013: Master's Thesis in Theoretical Physics on an approach to Quantum Gravity. Named causal-set theory, this approach assumes spacetime is made of discrete points with a structure.

Aug 2013: Participated in the LERU Bright Conference ''Energy Transition in the 21st Century'' which explored the worldwide transition to green energy. Due to my knowledge of Physics and my understanding of economic markets, I was able to contribute significantly to the work and the discussions.

Aug 2012: Participated in LERU Bright Conference ''Networks - Complex Futures'' which explored the concepts of Network Theory and Complexity Theory. Our working group focussed on systems characterised by self-organisation, adaptivity and positive feedback.

Skills and Activities

Analytical and Critical Thinking

- Doing both original and literature research
- Selecting and structuring relevant information
- Statistical modelling, surrogate modelling, uncertainty quantification and sensitivity analyses
- Apply logical thinking to critically read scientific articles and scrutinise arguments

Computing skills

- Document writing and styling using Microsoft Office, Adobe Acrobat and LaTeX
- Programming using Java, Python, Apache Flink, SQL, JavaScript and Git
- Mathematical modelling using Mathematica, VBA and Python
- Statistical analyses using SPSS, AMOS and R

Language skills

- Dutch: Mother tongue
- English: Fluent, spoken and written
- French: Intermediate, spoken and written
- German: Basic, spoken only

Social Skills and Teamwork

- Communicating ideas and lines of reasoning
- Asking relevant questions to stimulate discussion
- Writing scientific articles in an understandable manner
- Group work during my academic as well as my professional career
- Playing team sports, e.g. hockey and lacrosse
- Volunteer work at a homeless shelter