

Dr. Holger Sennhenn-Reulen

Curriculum Vitae

November 25, 2019

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I Personal Details

Profession

Statistician

Affiliations

↔ *Department of Forest Growth, Northwest German Forest Research Institute (NW-FVA).*

↔ Associated member @ RTG 2300: *Enrichment of European beech forests with conifers.*

E-Mail

holger.sennhenn at nw-fva.de

Telephone

+49 551 69401 206

Website

<https://holgersennhennreulen.github.io/>

Address (professional)

Nordwestdeutsche Forstliche Versuchsanstalt

Grätzelstrasse 2

37079 Göttingen

Germany

Birth

13/01/1986, Giengen an der Brenz, Germany

Citizenship

Germany

Family status

Married, two children

2 Working Experience

2.1 In Academia

09/2017 – present

Statistician, Department of Forest Growth, Northwest German Forest Research Institute (NW-FVA): Consultation on study design and statistics/data analysis. Execution of statistical analysis for research projects, assistance in writing of reports and publications, methodological teaching, development of statistical methodology.

10/2015 – 08/2017

Statistician, Leibniz-ScienceCampus Primate Cognition: Organization and holding of Biostatistics workshops and courses, development of a teaching concept *Biostatistics* for PhD students, statistical consulting, contribution to research projects of the Leibniz-ScienceCampus.

01/2012 – 09/2015

Teaching/research assistant, Chair of Statistics, Faculty of Economic Sciences, Georg-August-University Göttingen: Assistance in the supervision of theses and holding classes at the Faculty of Economic Sciences.

04/2011 – 12/2011

Research/student assistant, Division of Epidemiology, Institute of Social Paediatrics and Adolescent Medicine, Ludwig-Maximilians-University Munich: Statistical analysis of child growth data.

10/2009 – 03/2011

Student assistant, Statistical Consulting Unit (StaBLab), Department of Statistics, Ludwig-Maximilians-University Munich (LMU): Statistical consultation and supervision of the statistical practical training for bachelor students in Statistics.

2.2 Outside Academia

12/2008 – 09/2009

Student employee, Group Market Management, Allianz SE: Invoice control, database administration.

09/2005 – 05/2006

Civil service, Paul-Gerhardt-Stift Giengen an der Brenz: Mobile social service.

3 Education

3.1 University

01/2012 – 03/2015

Doctoral studies (Dr. rer. pol.) at Chair of Statistics, Faculty of Economic Sciences, Georg-August-University Göttingen.

- ↪ Title of dissertation: *Modelling Combined Transition-type Effects in Multi-state Models* (Grade: magna cum laude). Supervisors: Prof. Dr. Thomas Kneib, Prof. Dr. Helmut Herwartz, Prof. Dr. Tatyana Krivobokova.
- ↪ *Associated member of RTG 1644: Scaling Problems in Statistics*, with completing the study program containing methodological and skill courses.

10/2009 – 09/2011

Masters studies (M. Sc.) in Statistics, Department of Statistics, Ludwig-Maximilians-University Munich (LMU). Overall grade: 1.33.

- ↪ Title of master thesis (English translation): *When do effects of risks emerge? Modelling longitudinal BMI measurements across childhood by flexible Quantile Regression* (Grade: 1.0). Supervisor: Prof. Dr. Torsten Hothorn.

10/2006 – 09/2009

Bachelor studies (M. Sc.) in Statistics (Application field: Medical Biometry), Department of Statistics, Ludwig-Maximilians-University Munich (LMU). Overall grade: 1.77.

- ↪ Title of bachelor thesis (English translation): *Spatial Smoothing using Kriging* (Grade: 1.3). Supervisor: Prof. Dr. Gerhard Tutz.

3.2 Primary and Secondary School

08/1996 – 07/2005

Margarete-Steiff-Gymnasium, Giengen an der Brenz.

08/1992 – 07/1996

Grundschule Schwageschule, Giengen an der Brenz.

4 Publications

4.1 Peer-Reviewed

2019

L. Demant, P. Meyer, H. Sennhenn-Reulen, H. Walentowski, E. Bergmeier:
Seeking consensus in German forest conservation: An analysis of contemporary concepts, Nature Conservation.

DOI: <https://doi.org/10.3897/natureconservation.35.35049>

A. Mölder, H. Sennhenn-Reulen, C. Fischer, H. Rumpf, E. Schönfelder, J. Stockmann, R.-V. Nagel:
Success factors for high-quality oak forest (Quercus robur, Q. petraea) regeneration, Forest Ecosystems.

DOI: <https://doi.org/10.1186/s40663-019-0206-y>

2018

A. Goffe, J. Fischer, H. Sennhenn-Reulen:
Bayesian inference and simulation approaches improve the assessment of Elo-ratings in the analysis of social behaviour, Methods in Ecology and Evolution.

DOI: <https://doi.org/10.1111/2041-210X.13072>

2017

L. Almeling, K. Hammerschmidt, H. Sennhenn-Reulen, A. Freund, J. Fischer:
Social interactions and activity patterns of old Barbary macaques: further insights into the foundations of social selectivity, American Journal of Primatology.

DOI: <https://doi.org/10.1002/ajp.22711>

H. Sennhenn-Reulen, L. Diedhiou, M. Klapproth, D. Zinner:
Estimation of baboon daily travel distances by means of point sampling – the magnitude of underestimation, Primate Biology.

DOI: <http://doi.org/10.5194/pb-4-143-2017>

J. Fischer, M.S. Farnworth, H. Sennhenn-Reulen, K. Hammerschmidt:
Quantifying Social Complexity, Animal Behaviour.

DOI: <http://doi.org/10.1016/j.anbehav.2017.06.003>

W. Hammerschmidt, H. Sennhenn-Reulen, A. Schacht:
Associated motivational salience impacts early sensory processing of human faces, NeuroImage.

DOI: <http://doi.org/10.1016/j.neuroimage.2017.04.032>

2016

H. Sennhenn-Reulen, T. Kneib:
Structured Fusion Lasso Penalised Multi-State Models, Statistics In Medicine.

DOI: <http://dx.doi.org/10.1002/sim.7017>

L. Almeling, K. Hammerschmidt, H. Sennhenn-Reulen, A.M. Freund, J. Fischer:
Motivational shifts in aging monkeys and the origins of social selectivity, Current Biology.

DOI: <http://dx.doi.org/10.1016/j.cub.2016.04.066>

- A. Álvaro-Meca, M. Jiménez-Sousa, A. Boyer, J. Medrano, H. Reulen, T. Kneib, S. Resino:
Impact of chronic hepatitis C on mortality in cirrhotic patients admitted to intensive-care unit,
 BMC Infectious Diseases.
 DOI: <http://dx.doi.org/10.1186/s12879-016-1448-8>.
- 2015
- V. Schmitt, I. Federspiel, J. Eckert, S. Keupp, L. Tschernek, L. Faraut, R. Schuster, C. Michels,
 H. Sennhenn-Reulen, T. Bugnyar, T. Mussweiler, J. Fischer:
Do monkeys compare themselves to others?, Animal Cognition.
 DOI: <http://dx.doi.org/10.1007/s10071-015-0943-4>.
- H. Reulen, T. Kneib:
Boosting Multi-State Models, Lifetime Data Analysis.
 DOI: <http://dx.doi.org/10.1007/s10985-015-9329-9>.
- 2013
- I. Nehring, A. Chmitorz, H. Reulen, R. von Kries, R. Ensenaer:
*Gestational Diabetes Predicts the Risk of Childhood Overweight and Abdominal Circumference
 Independent of Maternal Obesity*, Diabetic Medicine.
 DOI: <http://dx.doi.org/10.1111/dme.12286>.
- I. Podolski, E. Belotti, L. Bufka, H. Reulen, M. Heurich:
*Seasonal and Daily Activity Patterns of Free-Living Eurasian Lynx (Lynx Lynx) in Relation to
 Availability of Kills*, Wildlife Biology.
 DOI: <http://dx.doi.org/10.2981/12-049>.
- 2012
- R. von Kries, H. Reulen, O. Bayer, C. Riedel, K. Diethelm, A. E. Buyken:
*Increase in Prevalence of Adiposity Between the Ages of 7 and 11 Years Reflects Lower Remission
 Rates During this Period*, Pediatric Obesity.
 DOI: <http://dx.doi.org/10.1111/j.2047-6310.2012.00084.x>.
- M. Heurich, L. Möst, G. Schauburger, H. Reulen, P. Sustr, T. Hothorn:
*Survival and Causes of Death of European Roe Deer Before and After Eurasian Lynx Introduc-
 tion in the Bavarian Forest National Park*, European Journal of Wildlife Research.
 DOI: <http://dx.doi.org/10.1007/s10344-011-0606-y>.
- 2011
- S. Schorn, K. Pfister, H. Reulen, M. Mahling, C. Silaghi:
*Occurrence of Babesia spp., Rickettsia spp. and Bartonella spp. in Ixodes Ricinus in Bavarian
 Public Parks, Germany*, Parasites & Vectors.
 DOI: <http://dx.doi.org/10.1186/1756-3305-4-135>.
- S. Schorn, K. Pfister, H. Reulen, M. Mahling, J. Manitz, C. Thiel, C. Silaghi:
*Prevalence of Anaplasma Phagocytophilum in Ixodes Ricinus in Bavarian Public Parks, Ger-
 many*, Ticks and Tick-Borne Diseases.
 DOI: <http://dx.doi.org/10.1016/j.ttbdis.2011.09.009>.

4.2 Working papers & Pre-Prints

2018

H. Sennhenn-Reulen:

Bayesian Regression for a Dirichlet Distributed Response using Stan, Arxiv.

URL: <https://arxiv.org/abs/1808.06399>