

Svenia Elena Behm

CONTACT INFORMATION

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RESEARCH INTERESTS

Spatio-Temporal Modelling, Environmental Data, Applied Statistics and Econometrics, Data Science

ACADEMIC POSITIONS

04/2017 - Present	Research and Teaching Assistant , Chair of Statistics and Data Analytics (Prof. Dr. Harry Haupt), University of Passau
10/2016 - 03/2017	Student Assistant , Chair of Statistics (Prof. Dr. Harry Haupt), University of Passau

EDUCATION

04/2017 - Present	Doctoral Student in Statistics and Econometrics , University of Passau, Supervisor: Prof. Dr. Harry Haupt
10/2014 - 02/2017	M.A. International Economics and Business , University of Passau and University of Turin, Final Grade: 1.4
10/2010 - 01/2014	B.Sc. Mathematics , Karlsruhe Institute of Technology, Final Grade: 1.8

PUBLICATIONS

Fritsch M. and S. Behm (2021), Agglomeration and infrastructure effects in land use regression models for air pollution - Specification, estimation, and interpretations. In Atmospheric Environment 253, 118337.

<https://doi.org/10.1016/j.atmosenv.2021.118337>

Behm S. and H. Haupt (2020), Predictability of hourly nitrogen dioxide concentrations. In Ecological Modelling 428, 109076.

<https://doi.org/10.1016/j.ecolmodel.2020.109076>

Behm S., Haupt H. and A. Schmid (2018), Spatial detrending revisited: Modelling local trend patterns in NO₂-concentration in Belgium and Germany. In: Spatial Statistics 28, 331-351.

<https://doi.org/10.1016/j.spasta.2018.04.004>

WORKSHOPS AND CONFERENCES

10/2019	Workshop on Statistical Modelling of Environmental Data in Passau, Germany
10/2019	22nd Conference of the International Society for Ecological Modelling in Salzburg, Austria
12/2018	11th International Conference of the ERCIM WG on Computational and Methodological Statistics in Pisa, Italy
05/2018	12th French-Danish Workshop on Spatial Statistics and Image Analysis in Biology in Aalborg, Denmark
07/2017	4th Conference on Spatial Statistics in Lancaster, United Kingdom

COURSES ATTENDED

07/2018	Advanced Summer School in Economics and Econometrics by Jeffrey S. Racine (McMaster University) in Rethymnon, Crete
02/2018	BGPE course Advanced Econometrics by Jeffrey M. Wooldridge (Michigan State University) in Muggendorf, Germany
09/2017	R Summer School by Matthias Templ, Alexander Kowarik, Gerhard Nachtmann, Richard Rentrop, Georg Heiler, Fabian Schröder, Peter Filzmoser (organised by Vienna University of Technology and Zurich University of Applied Sciences) in Vorau, Austria
05/2017	Applied Bayesian Statistics Summer School by Bruno Sansó (University of California) in Como, Italy

TEACHING

10/2019 - 03/2020	Methods in Econometrics I , University of Passau, Tutorial (Graduate)
04/2019 - 09/2019	Introductory Econometrics , University of Passau, Tutorial (Undergraduate) Computational Statistics - Regression in R , University of Passau, Tutorial (Graduate) Applied Statistics - Statistical modelling of environmental space-time data , University of Passau, Seminar (Graduate)
10/2018 - 03/2019	Methods in Econometrics II , University of Passau, Tutorial (Graduate) Methods in Econometrics I , University of Passau, Tutorial (Graduate)
04/2018 - 09/2018	Introductory Econometrics , University of Passau, Tutorial (Undergraduate)
10/2017 - 03/2018	Introduction to Time Series Analysis , University of Passau, Tutorial (Undergraduate)
04/2015 - 07/2015	Statistics I , University of Passau, Tutorial (Undergraduate)
10/2012 - 03/2013	Introduction to Stochastics , Karlsruhe Institute of Technology, Tutorial (Undergraduate)
09/2012	Preliminary Course on Mathematics , MINT-Kolleg Karlsruhe Institute of Technology, Tutorial (Undergraduate)

GRANTS

Traveling Grant of the German Statistical Society (DStatG) for the 4th Conference on Spatial Statistics, Lancaster

MEMBERSHIPS

German Statistical Society (DStatG)