

Lara Vomfell

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Education

Behavioural Science, PhD

Warwick, UK

UNIVERSITY OF WARWICK

10/2017 - 09/2021

- Crime displacement and deterrent effects of stop and search
- Evidence of ethnic bias in stop and search events and outcomes

Economics, MSc

Berlin, Germany

HUMBOLDT UNIVERSITY OF BERLIN

10/2015 - 09/2017

- GPA of 1.7 (top 5%); 120 + 32 ECTS
- Thesis: "Improving Crime Forecasts with Taxi and Twitter Data"; grade: 1.0
- Semester abroad at Nova University of Lisbon (09 - 12/2016)

Politics and Economics, BA

Münster, Germany

UNIVERSITY OF MÜNSTER

10/2011 - 02/2015

- GPA of 1.7 (top 5%); 180 + 26 ECTS
- Thesis: "Surveying Data Marketplaces: Trends and Developments"; grade: 1.0
- Semester abroad at Federal University of Santa Catarina, Brazil (07/2013 - 02/2014)

Allgemeine Hochschulreife / A-levels

Frankfurt, Germany

MUSTERSCHULE

06/2011

- GPA of 1.2 (top 3%), graduation with distinction
- Year abroad at Uttaradit Daruni, Thailand (07/2007-02/2008)

Experience

IRTG: High Dimensional Nonstationary Time Series

Berlin, Germany

VISITING RESEARCHER

08/2018

- Continued collaboration with Wolfgang Karl Härdle and Stefan Lessmann

OECD

Berlin, Germany

INTERNSHIP

07/2015 - 10/2015

- Independent research and editing of the OECD Statistic of the Day
- Daily exchange with OECD statisticians and communication to journalists

European Research Center for Information Systems

Münster, Germany

RESEARCH ASSISTANT

05/2014 - 10/2015

- Crawled websites to build SQL database on the sharing economy
- Research and data analysis on the acceptance of electric mobility

Chair of Computer Science

Münster, Germany

RESEARCH ASSISTANT

05/2015 - 08/2015

- Independent research on data marketplaces
- Results were published as working papers

Commerzbank

Frankfurt, Germany

INTERNSHIP

02 - 04/2014

- Evaluation of targeted marketing campaigns

Chair of Political Economy

Münster, Germany

RESEARCH ASSISTANT

01 - 08/2013

- Data analysis on income inequality data
- Developed material for macroeconomics lecture

Selected Presentations and Seminars

08/2019	Subjective Probability, Utility, and Decision Making Conference, Oral & poster presentation	Amsterdam, Netherlands
06/2019	JDMx, Presentation	Trento, Italy
05/2019	Chicago Booth, Presentation	Chicago, US
01/2019	Stop and Search Commission, West Midlands PCC, Invited Talk	Birmingham, UK
11/2018	PhD Conference in Behavioural Science, Presentation	Dublin, Ireland
08/2018	Privatissimum Statistik, Invited Talk	Berlin, Germany
07/2018	Stop & Search Commission, West Midlands PCC, Invited Talk	Birmingham, UK
07/2018	CRISM Summer School on Computational Statistics,	Warwick, UK

Awards and Scholarships

2017 - 2021	Bridges Leverhulme, Doctoral Scholarship
2018	Teaching Award, Outstanding contribution to module 'Big Data Analytics' (Bank of England)
2016	Data Mining Cup, 10th to 49th place
2015	zeb Award, best bachelor's thesis in computer science
2013	PROMOS Scholarship, international mobility scholarship

Publications

Selected work in progress

LARA VOMFELL

- Bias in stop and search decisions (with Neil Stewart)
- Does stop and search reduce crime? (with Julia Brettschneider)
- Improving measures of stop and search disparities
- Applications of covariance manipulations (with Jeremias Knoblauch)

Improving Crime Count Forecasts with Twitter and Taxi Data

Decision Support Systems, 113, 73–85

VOMFELL/HÄRDLE/LESSMANN

2018

- Using spatial and machine learning models, predictions for New York City crime over 26 weeks are enhanced
- Property crime depends on local opportunities as captured by new data sources
- Violent crime does not emerge from short-run human dynamics

A Classification Framework for Data Marketplaces

Vietnam Journal of Computer Science
3.3, 137–143

STAHL/SCHOMM/VOSSEN/VOMFELL

2016

- Understanding pricing mechanisms of data
- Development of a scheme to group emerging data marketplaces

Marketplaces for Digital Data: Quo Vadis?

ERCIS Working Papers, Vol. 24

VOMFELL/STAHL/SCHOMM/VOSSEN

2015

- Analysis of 72 electronic marketplaces where data is sold
- Identification of two segmented markets

Skills

Programming R (advanced skills in statistical computing, algorithm design, computational optimisation, and parallel programming), Python (basic skills)

Languages German (native), English (fluent), Portuguese (fluent), French (basic)

Extracurricular Activities

Event organization Bridges/CAGE Summer School in Behavioural Economics (2019); Early Career Research in Behavioural Science in Warwick (2018–); Women in Behavioural Science (2017)

Hobbies Thai Boxing, hiking, sewing, knitting and pattern drafting