

CURRICULUM VITAE

Dr. Jannis Kueck

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PERSONAL DETAILS

Birth Date and Place: 02/29/1992 in Bremervoerde (Germany)

PROFESSIONAL EXPERIENCE

- Since 11/2020 Post-Doctoral Research Associate at University of Hamburg, Faculty of Business Administration, Institute of Statistics
- Research in Causal Machine Learning and Econometrics
- 04/2022 – 06/2022 Research Stay at University of Fribourg, Switzerland
Chair of Applied Econometrics, Prof. Dr. Martin Huber
- Research in Causal Machine Learning
- 04/2019 – 08/2019 Research Stay at University of California, Irvine, USA
Department of Economics, Prof. Dr. Matthew Harding
- Applied Research in Data Science

EDUCATION

- 11/2016 – 11/2020 Ph.D. in Statistics, University of Hamburg, Faculty of Business Administration, Institute of Statistics
- Adviser: Prof. Dr. Martin Spindler
 - Committee: Prof. Dr. Michael Merz, Prof. Dr. Matthew Harding
 - Dissertation: *Advances in Machine Learning: Valid Inference about High-Dimensional Parameters*
 - Overall grade: summa cum laude
- 10/2014 – 11/2016 M. Sc. Business Mathematics, University of Hamburg, Department of Mathematics
- Final Grade: With distinction (1.07/1.0)
- Major Interests: Statistics and Empirical Processes
 - Master Thesis: *Transformed-Regression-Models*, Adviser: Prof. Dr. Natalie Neumeyer, Grade: Very good (1.0/1.0)

10/2011 – 10/2014 B. Sc. Business Mathematics, University of Hamburg, Department of Mathematics
Final Grade: Good (1.79/1.0)
- Specialized in Stochastics and Statistics

PUBLICATIONS

Chernozhukov, V., Klaassen, S., Kueck, J., Spindler, M. (2022): *Uniform Inference in High-Dimensional Gaussian Graphical Models* (<https://doi.org/10.1093/biomet/asac030>). *Biometrika*.

Kueck, J., Luo, Y., Spindler, M., Wang, Z. (2022): *Estimation and Inference of Treatment Effects with L_2 -Boosting in High-Dimensional Settings* (<https://doi.org/10.1016/j.jeconom.2022.02.005>). *Journal of Econometrics*.

Felderer, B., Kueck, J., Spindler, M. (2022): *Using Double Machine Learning to Understand Nonresponse in the Recruitment of a Mixed-mode Online Panel* (<https://doi.org/10.1177/08944393221095194>). *Social Science Computer Review*.

Klaassen, S., Kueck, J., Spindler, M. (2021): *Transformation Models in High Dimensions* (<https://www.tandfonline.com/doi/full/10.1080/07350015.2021.1906259>). *Journal of Business & Economic Statistics*, 1-11.

Kueck, J. (2020): *Advances in Machine Learning: Valid Inference about High-Dimensional Parameters* (<https://ediss.sub.uni-hamburg.de/handle/ediss/8699>).
Dissertation, Staats-und Universitätsbibliothek Hamburg Carl von Ossietzky.

WORKING PAPERS

Bach, P., Klaassen, S., Kueck, J., Spindler, M. (2020): *Uniform Inference in High-Dimensional Additive Models* (<https://arxiv.org/abs/2004.01623>).
R&R at *Journal of Econometrics*.

Kueck, J., Luo, Y., Spindler (2022): *High-Dimensional L_2 -Boosting: Rate of Convergence* (<https://arxiv.org/abs/1602.08927>)
R&R at *Journal of Machine Learning Research*

Huber, M., Kueck, J. (2022): *Testing the Identification of Causal Effects in Observational Data* (<https://arxiv.org/abs/2203.15890>). *Under Review*

WORK IN PROGRESS

Transformed Failure Time Models in High-Dimensions

High-Dimensional Duration Models for Credit Data (with Matthew Harding).

Adaptive Smoothing for Nonparametric Estimation (with Ye Luo and Martin Spindler).

Double Machine Learning for Partial Correlations and Partial Copulas (with Malte Kurz).

CONFERENCES, WORKSHOPS AND SEMINARS

- 12/2022 *6th International Conference on Computational and Financial Econometrics (CFE 2022)*, King's College London. Presentation: *Testing the Identification of Causal Effects in Observational Data.*
- 11/2022 *Causal Data Science Meeting*. Presentation: *Testing the Identification of Causal Effects in Observational Data.*
- 05/2022 *The Economics and Statistics Seminar*, CREST, Paris. Talk: *Estimation and Inference of Treatment Effects with L_2 -Boosting in High-Dimensional Settings.*
- 05/2022 *Research Seminar in Economics*, University of Fribourg. Talk: *Estimation and Inference of Treatment Effects with L_2 -Boosting in High-Dimensional Settings.*
- 03/2022 *DAGStat 2022*, Hamburg. Speaker: *Uniform Inference in High-Dimensional Additive Models.*
- 10/2019 *2nd Risky Health Behaviors Workshop*, Hamburg, Hamburg Center for Health Economics.
- 09/2019 *Conference Statistics of Machine Learning*, Prague, Charles University
Speaker: *Uniform Inference in High-Dimensional Gaussian Graphical Models.*
- 07/2018 *International Conference on Machine Learning (ICML)*, Workshop on *Machine Learning for Causal Inference*, Stockholm. Presentation by co-author: *Uniform Inference in High-Dimensional Gaussian Graphical Models.*
- 06/2018 *Data Science Summer School*, Paris, École Polytechnique. Presentation: *Uniform Inference in High-Dimensional Gaussian Graphical Models.*
- 05/2018 *Workshop Machine Learning in Economics and Econometrics*, Munich Max Planck Society/University of Hamburg. Presentation: *Uniform Inference in High-Dimensional Gaussian Graphical Models.*

REFEREEING

AStA - Advances in Statistical Analysis (German Statistical Society)

Metrika - International Journal for Theoretical and Applied Statistics

JBES - Journal of Business and Economic Statistics

Empir Econ - Empirical Economics

TEACHING EXPERIENCE

Fall 2022	Causal Machine Learning (lecture), Programming (lecture)
Spring 2022	Machine Learning (tutorial), Statistics II (tutorial)
Fall 2021	Programming (lecture), Statistics I (tutorial)
Spring 2021	Statistical Programming with Python (lecture), Statistics II (tutorial)
Spring 2020	Statistical Programming with Python (lecture), Causal Inference (tutorial)
Fall 2019	Statistics I (tutorial)
Fall 2018	Statistics I (coordination and tutorial)
Spring 2018	Statistical Programming with Python (lecture), Statistics II (tutorial)
Fall 2017	Machine Learning (tutorial), Statistics I (tutorial)
Spring 2017	Advanced Statistics and Econometrics (tutorial), Statistics II (tutorial)

AWARDS, SCHOLARSHIPS AND FUNDINGS

12/2021	Teaching Prize " <i>Hamburger Lehrpreis 2021</i> " (10,000€)
11/2021	Visiting Scholar Grant, University of Fribourg (8,500 CHF)
04/2019	Funding of the Research Stay at University of California, Irvine by the Hamburg Center for Health Economics supported by the Federal Ministry of Education and Research

AFFILIATIONS

Since 10/2017	Member of Hamburg Center for Health Economics (HCHE)
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OTHER PROFESSIONAL EXPERIENCE

Since 10/2019	Statistical Consulting (self-employed activity) - Trainings in Data Science and Machine Learning
10/2013 – 08/2016	Student Assistant at the Department of Mathematics at the University of Hamburg, Mathematical Statistics and Stochastic Processes

Hamburg, 01/2023