

Jakob R. Juergens

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EDUCATION

Ph.D. Economics UNIVERSITY OF WISCONSIN - MADISON	Aug 2022 – Present
M.Sc. Economics UNIVERSITY OF BONN	Oct 2020 – Jul 2022
B.Sc. Economics UNIVERSITY OF BONN	Oct 2017 – Jul 2020
B.Sc. Mathematics (not completed) UNIVERSITY OF BONN	Oct 2016 – Jul 2017
Abitur SANKT LEONHARD GYMNASIUM AACHEN	2008 – 2016

RESEARCH & WORK EXPERIENCE

Project Assistant DEPARTMENT OF ECONOMICS UNIVERSITY OF WISCONSIN-MADISON	Jun 2023 – Aug 2023
<ul style="list-style-type: none">• Programming statistical simulations in Julia for Prof. Jack Porter• Project on asymptotic analysis for adaptive experimental data	
Research Assistant INSTITUTE OF FINANCE AND STATISTICS UNIVERSITY OF BONN	Nov 2020 – Jun 2022
<ul style="list-style-type: none">• Work for Prof. Lena Janys and Prof. Joachim Freyberger• High-performance computing and parallelization with R and C++• Development of teaching materials for Econometrics Ph.D. courses	
Internship GERMAN COUNCIL OF ECONOMIC EXPERTS WIESBADEN	Aug 2020 – Oct 2020
<ul style="list-style-type: none">• Work with the Business Cycle Analysis and Monetary Policy Teams• GDP Forecasting with data of varying frequency and publication lag• Analysis of Google Mobility and electricity market data	
Student Assistant INSTITUTE FOR INTERNATIONAL ECONOMIC POLICY UNIVERSITY OF BONN	Apr 2018 – Jun 2020
<ul style="list-style-type: none">• Scientific and administrative assistant to Prof. Jürgen von Hagen	

TEACHING

Mathematical Econ I - 703 (Ph.D. Level) UNIVERSITY OF WISCONSIN - MADISON	Fall Semester 2023
<ul style="list-style-type: none">• Teaching Assistant for Prof. John Kennan	

AWARDS AND SCHOLARSHIPS

University of Wisconsin-Madison
TWO-YEAR GRADUATE SCHOOL FELLOWSHIP

Awarded in 2022

German Academic Scholarship Foundation

- SCHOLARSHIP
- SCHOLARSHIP REPRESENTATIVE FOR BONN

2016 – Present
2020 – 2021

University of Bonn
HONORS PROGRAM

2019 – 2022

PROGRAMMING

- R, Python, C++, Julia
- Experience in statistical simulation
- Experience in HPC with SLURM-based computing clusters

LANGUAGES

German

NATIVE SPEAKER

English

FLUENT

French

INTERMEDIATE

PROJECTS

'math+econ+code' masterclass – Linear Programming

2023

- Workshop by Prof. Alfred Galichon

Bugni and Horowitz (2021) Permutation Tests for the Equality of Distributions of Functional Data

2022

- Master's Thesis supervised by Prof. Dominik Liebl

Basis Choice for Scalar-on-Function Regression with Applications to Near-Infrared Spectroscopy

2022

- Final Project for the Research Module Econometrics & Statistics

Outlier Detection in Sensor Data using Functional Depth Measures

2021

- Final Project for the courses Microeconometrics and Scientific Computing
- In Cooperation with Daimler AG

Comparison of Variable Importance Feature Selection Methods in Continuous Response Random Forest

2021

- Final project for the course Computational Statistics

Malicious Intent and Multiple Testing in Regression Discontinuity Estimation

2020

- Bachelor's Thesis supervised by Prof. Joachim Freyberger