

Jakob R. Juergens

www.jakobjuergens.com
info@jakobjuergens.com
github.com/JakobJuergens

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 Jun 2023 – Aug 2023

DEPARTMENT OF ECONOMICS | UNIVERSITY OF WISCONSIN-MADISON

- Literature research and statistical programming in Julia for Prof. Jack Porter

Research Assistant Nov 2020 – Jun 2022

INSTITUTE OF FINANCE AND STATISTICS | UNIVERSITY OF BONN

- 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 Aug 2020 – Oct 2020

GERMAN COUNCIL OF ECONOMIC EXPERTS | WIESBADEN

- GDP Forecasting with data of varying frequency and publication lag
- Analysis of Google Mobility and electricity market data

Student Assistant Apr 2018 – Jun 2020

INSTITUTE FOR INTERNATIONAL ECONOMIC POLICY | UNIVERSITY OF BONN

- Scientific and administrative assistant to Prof. Jürgen von Hagen

TEACHING

Mathematical Econ I – 703 (Ph.D. Level) Fall Semester 2023

UNIVERSITY OF WISCONSIN - MADISON

- Teaching Assistant for Prof. John Kennan
- Winner of the Juli Plant Grainger Teaching Excellence Scholarship

Introductory Econometrics – 410 Spring Semester 2024

UNIVERSITY OF WISCONSIN - MADISON

- Teaching Assistant for Prof. Christopher McKelvey

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