

# Jakob R. Juergens

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github.com/JakobJuergens

## EDUCATION

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

## RESEARCH & WORK EXPERIENCE

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<b>Project Assistant</b> DEPARTMENT OF ECONOMICS   UNIVERSITY OF WISCONSIN-MADISON	Jun 2023 – Aug 2023
<ul style="list-style-type: none"><li>Literature research and statistical programming in Julia for Prof. Jack Porter</li></ul>	
<b>Research Assistant</b> INSTITUTE OF FINANCE AND STATISTICS   UNIVERSITY OF BONN	Nov 2020 – Jun 2022
<ul style="list-style-type: none"><li>Work for Prof. Lena Janys and Prof. Joachim Freyberger</li><li>Programming statistical simulations with R and C++</li></ul>	
<b>Internship</b> GERMAN COUNCIL OF ECONOMIC EXPERTS   WIESBADEN	Aug 2020 – Oct 2020
<ul style="list-style-type: none"><li>GDP Forecasting with data of varying frequency and publication lag</li><li>Analysis of Google Mobility and electricity market data</li></ul>	
<b>Student Assistant</b> INSTITUTE FOR INTERNATIONAL ECONOMIC POLICY   UNIVERSITY OF BONN	Apr 2018 – Jun 2020
<ul style="list-style-type: none"><li>Scientific and administrative assistant to Prof. Jürgen von Hagen</li></ul>	

## TEACHING EXPERIENCE

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<b>Introductory Econometrics – 410</b> UNIVERSITY OF WISCONSIN - MADISON	Spring Semester 2024
<ul style="list-style-type: none"><li>Teaching Assistant for Prof. Christopher McKelvey</li></ul>	
<b>Mathematical Economics I – 703 (Ph.D. Level)</b> UNIVERSITY OF WISCONSIN - MADISON	Fall Semester 2023
<ul style="list-style-type: none"><li>Teaching Assistant for Prof. John Kennan</li><li>Winner of the Juli Plant Grainger Teaching Excellence Scholarship</li></ul>	

# AWARDS AND SCHOLARSHIPS

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## University of Wisconsin-Madison

- Two-year Graduate School Fellowship Awarded in 2022
- Juli Plant Grainger Teaching Excellence Scholarship Fall Semester 2023

## German Academic Scholarship Foundation

- Scholarship 2016 – 2024
- Scholarship Representative for Bonn 2020 – 2021

## University of Bonn

- Honors Program 2019 – 2022

# PROGRAMMING

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- R, Python, C++, Julia
- Proficient in Statistical Simulations
- High-Performance Computing with SLURM
- Proficient in Data Visualization with ggplot

# LANGUAGES

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<b>German</b>	NATIVE SPEAKER
<b>English</b>	FLUENT
<b>French</b>	INTERMEDIATE

# PROJECTS

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## Associated with Ph.D. Economics

- Ph.D. Student Reading Group – Econometrics since 2022
- 'math+econ+code' masterclass – Linear Programming 2023

## Associated with M.Sc. Economics

- Bugni and Horowitz (2021) Permutation Tests for the Equality of Distributions of Functional Data 2022
- Basis Choice for Scalar-on-Function Regression with Applications to Near-Infrared Spectroscopy 2022
- Outlier Detection in Sensor Data using Functional Depth Measures 2021
- Comparison of Variable Importance Feature Selection Methods in Continuous Response Random Forest 2021

## Associated with B.Sc. Economics

- Malicious Intent and Multiple Testing in Regression Discontinuity Estimation 2020
- The Effects of Component Permutation on Estimated Impulse Responses in a three-dimensional SVAR[1] Model 2019