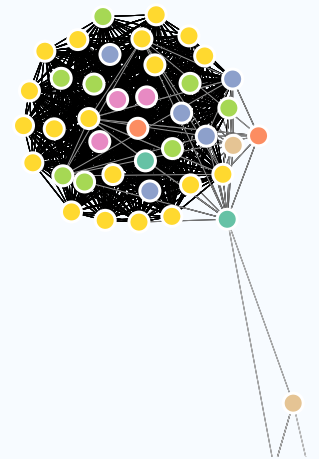


JONATHAN BERRISCH

I specialized in econometrics for energy forecasting and am well-versed in R, C++, and Python. I currently work in academia between statistics and information technology. I research probabilistic forecasting and maintain a growing IT infrastructure with databases. I also actively contribute to open-source projects and disseminate knowledge by creating meaningful and engaging visualizations.



EDUCATION

Current
|
2020

PhD. Candidate, Econometrics

University of Duisburg Essen

📍 Essen

- Probabilistic forecasting in energy markets
- FOSS Projects: [profoc](#), [Rolch](#), [RcppTimer](#), [CppTimer](#), [CppTimer](#)

2020
|
2017

M.Sc., Economics

University of Duisburg Essen

📍 Essen

- Focused on Econometrics
- Gathered experience in R, Python and Git
- Graduated with Distinction: 1.2

2017
|
2013

B.Sc. Economics and Business Administration

FernUniversität in Hagen

📍 Remote

- Focused on Monetary Policy and Quantitative Economics
- Final Grade: 1.7



RESEARCH EXPERIENCE

Current
|
2020

Research Assistant

University of Duisburg Essen

📍 Essen

- Chair of Environmental Economics and Renewable Energies Prof. Dr. Ziel
- Development and maintenance of Energymarket databases (MySQL, R, Python, Docker), which are used within and outside our department.
- Maintenance of the IT infrastructure (Arch, NixOS, Ubuntu)

2019
|
2018

Research Aide

University of Duisburg Essen

📍 Essen

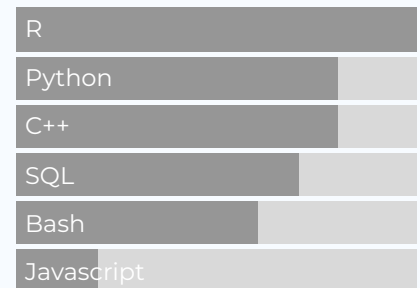
- Chair of Econometrics: Prof. Dr. Christoph Hanck
- Working with R, Latex, Git, SQL
- First teaching experience

View this CV online with links at [berrisch.biz/cv](#)

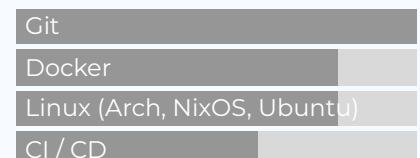
PERSONAL

🎂 1992
📍 Wuppertal, Germany
✉ Jonathan@Berrisch.biz
☎ +49 172 2173741
🌐 [berrisch.biz](#)
👤 [BerriJ](#)
📖 [BerriJ](#)
🏠 [University](#)

LANGUAGE SKILLS



DEVELOPMENT TOOLS





INDUSTRY EXPERIENCE

- 2020
|
2020
- **Masters Degree Candidate**
RWE Supply and Trading GmbH 📍 Essen
 - Developing forecasting models for European natural gas prices
 - Working with Python, Tensorflow, SQL, Git
 - Published [sstudentt](#)
- 2017
|
2015
- **Working Student**
[Stepstone.de](#) 📍 Duesseldorf
 - Quality Assurance
- 2015
|
2014
- **Service Employee**
Stadtsparkasse Duesseldorf 📍 Duesseldorf
- 2014
|
2012
- **Apprentice**
Stadtsparkasse Duesseldorf 📍 Duesseldorf

I gathered industry experience early by studying the bachelors to moonlight.



PUBLICATIONS

- 2025
- **rcpptimer: Rcpp Tic-Toc Timer with OpenMP Support**
J. Berrisch - [arXiv Preprint](#)
- 2024
- **Online Distributional Regression**
S. Hirsch, J. Berrisch, F. Ziel - [arXiv Preprint](#)
- 2023
- **CRPS Learning**
J. Berrisch, F. Ziel - [Journal of Econometrics](#)
- 2023
- **Modeling volatility and dependence of European carbon and energy prices**
J. Berrisch, S. Pappert, A. Arsova, F. Ziel - [Finance Research Letters](#)
- 2023
- **High-resolution peak demand estimation using generalized additive models and deep neural networks**
J. Berrisch, F. Ziel - [Energy and AI](#)
- 2023
- **Multivariate Probabilistic CRPS Learning with an Application to Day-Ahead Electricity Prices**
J. Berrisch, F. Ziel - [International Journal of Forecasting](#)
- 2022
- **Distributional modeling and forecasting of natural gas prices**
J. Berrisch, F. Ziel - [Journal of Forecasting](#)
- 2019
- **Implementation of a Self-Enforcing Network to Identify Determinants of the WiFi Quality on German Highspeed Trains**
J. Berrisch, T. Rammert, C. Klüver - [ThinkMind Library](#)



CONFERENCES AND WORKSHOPS

2024	● useR! — International R User Conference Speaker	📍 Salzburg, Austria
2024	● International Symposium on Forecasting Speaker	📍 Dijon, France
2024	● Strommarkttreffen Speaker	📍 Berlin
2023	● International Ruhr Energy Conference (INREC) Speaker	📍 Essen
2023	● Statistische Woche 2023 Speaker	📍 Dortmund
2023	● ARGE Masterclass 2023 “Econometrics of Energy Markets“ Speaker	📍 Berlin
2023	● ECMI 2023 Conference Speaker	📍 Wrocław, Poland
2023	● Smart4RES Final Conference Participant	📍 Paris, France
2022	● International Symposium on Forecasting Speaker · Best Student Presentation Award	📍 Oxford
2022	● UseR! 2022 Conference Speaker	📍 Remote
2022	● International Conference on Computational Finance 2022 Speaker	📍 Wuppertal
2022	● 15TH RGS Doctoral Conference in Economics Speaker	📍 Remote
2021	● International Symposium on Forecasting Speaker	📍 Remote
2021	● European conference on Operational Research Speaker	📍 Remote
2020	● International Symposium on Forecasting Speaker	📍 Remote
2020	● International Ruhr Energy Conference (INREC) Speaker	📍 Remote

I like exchanging ideas,
connecting with people and
shaping the future.

- 2019 ● **INTELLI 2019 - The Eighth International Conference on Intelligent Systems and Applications**
Speaker 📍 Rome, Italy
- 2018 ● **The European Union, a union that does not work anymore?**
Participant 📍 Brussels, Belgium
- 2018 ● **The 18th summer workshop: "European monetary policy in practice"**
Deutsche Bundesbank 📍 Eltville am Rhein



VOLUNTARY

- Current | 2024 ● **Member of the Faculty Council**
University of Duisburg Essen 📍 Essen
• Faculty of Business Administration and Economics
- Current | 2023 ● **Member of the Executive Board**
/dev/tal e.V. Hackerspace 📍 Wuppertal
- 2022 | 2020 ● **Member of the Student Parliament**
University of Duisburg Essen 📍 Essen
• Member of the Presidium (2020 - 2021)
- 2020 | 2019 ● **Committees**
University of Duisburg Essen 📍 Essen
• Evaluation committee for Jun. Prof. Dr. Ziel (Student Member)
• Evaluation committee for Jun. Prof. Dr. Beck (Student Member)
• Appointments committee for a new professorship in economics esp. public finance (Student Member)
- 2018 ● **Mentor**
University of Duisburg Essen 📍 Essen
• Supporting the elementary students of M.Sc. Economics



INTERESTS

- **Cooking**
Pad-Thai, Sourdough Bread, Lasagne, Cookies, etc.
- **Cycling**
In everyday life and on vacation
- **Information Technology**
At Home, at the Hackspace, etc.
• Self-Hosting: [Tandoor](#), [Home Assistant](#), [Wanderer](#)
• Building a [Voron 2.4](#)
• Fiddling around with hardware and software

I'm excited about connecting the dots and putting technology to good use.

Working in IT and spending time in a hackerspace is a perfect match.

Last updated on 2025-01-29.

Source: github.com/BerriJ/cv.