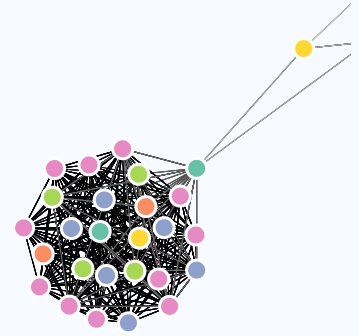


# JONATHAN BERRISCH

Specialized in econometrics, highly skilled in R, C++, and Python. Currently working in academia, I stand between stats and information technology. I'm now researching probabilistic forecasting. I also enjoy contributing to open-source projects and spreading knowledge by creating meaningful and appealing visualizations.



## EDUCATION

- Current | 2020
- **PhD. Candidate, Econometrics**  
University of Duisburg Essen  
• Probabilistic forecasting in energy markets
- 2020 | 2017
- **M.Sc., Economics**  
University of Duisburg Essen  
• Focused on Econometrics  
• Gathered experience in R  
• Graduated with Distinction: 1.2
- 2017 | 2013
- **B.Sc. Economics and Business Administration**  
FernUniversität in Hagen  
• Focused on Monetary Policy and Quantitative Economics  
• Final Grade: 1.7

📍 Essen

📍 Essen

📍 Remote

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

## PERSONAL

🏠 1992  
📍 Duisburg, Germany  
NA  
NA  
✉ [Jonathan@Berrisch.biz](mailto:Jonathan@Berrisch.biz)  
☎ +49 172 2173741  
🌐 [berrisch.biz](https://berrisch.biz)  
🐙 [BerriJ](#)  
📖 [BerriJ](#)  
🎓 [University](#)

## RESEARCH EXPERIENCE

- Current | 2020
- **Research Assistant**  
University of Duisburg Essen  
• Chair of Environmental Economics and Renewable Energies  
Prof. Dr. Ziel
- 2019 | 2018
- **Research Aide**  
University of Duisburg Essen  
• Chair of Econometrics: Prof. Dr. Christoph Hanck  
• Working with R, Latex, Git, SQL  
• First teaching experience

📍 Essen

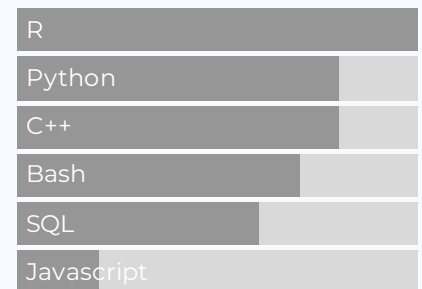
📍 Essen

## INDUSTRY EXPERIENCE

- 2020 | 2020
- **Masters Degree Candidate**  
RWE Supply and Trading GmbH  
• Developing forecasting models for European natural gas prices  
• Working with Python, Tensorflow, SQL, Git

📍 Essen

## LANGUAGE SKILLS



## DEVELOPMENT TOOLS



2017  
|  
2015



### Working Student

[Stepstone.de](https://stepstone.de)

• Quality Assurance

📍 Duesseldorf

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

2023



### Modeling volatility and dependence of European carbon and energy prices

[Finance Research Letters](#)

• Jonathan Berrisch, Sven Pappert, Antonia Arsova, Florian Ziel

2023



### High-resolution peak demand estimation using generalized additive models and deep neural networks

[Energy and AI](#)

• Jonathan Berrisch, Florian Ziel

2023



### Multivariate Probabilistic CRPS Learning with an Application to Day-Ahead Electricity Prices

[arXiv preprint](#)

• Jonathan Berrisch, Florian Ziel

2022



### Distributional modeling and forecasting of natural gas prices

[Journal of Forecasting](#)

• Jonathan Berrisch, Florian Ziel

2021



### CRPS Learning

[Journal of Econometrics](#)

• Jonathan Berrisch, Florian Ziel

2019



### Implementation of a Self-Enforcing Network to Identify Determinants of the WiFi Quality on German Highspeed Trains

[ThinkMind Library](#)

• Jonathan Berrisch, Timo Rammert, Christina Klüver

• Proceedings of the INTELLI 2019 conference



## CONFERENCES AND WORKSHOPS

2022



### International Symposium on Forecasting

Speaker

📍 Oxford

• High-Resolution Peak Demand Estimation Using Generalized Additive Models and Deep Neural Networks

• Best Student Presentation Award

I'm excited about using the unbelievable amount of data we have to create solutions with impact.




- 2022 ● **UseR! 2022 Conference** 📍 Remote  
 Speaker  
 • An Introduction to Rcpp Modules
- 2022 ● **International Conference on Computational Finance 2022** 📍 Wuppertal  
 Speaker  
 • Multivariate CRPS Learning with Applications to Electricity Price Forecasting
- 2022 ● **15TH RGS Doctoral Conference in Economics** 📍 Remote  
 Speaker  
 • CRPS Learning
- 2021 ● **International Symposium on Forecasting** 📍 Remote  
 Speaker  
 • CRPS Learning
- 2021 ● **European conference on Operational Research** 📍 Remote  
 Speaker  
 • CRPS Learning
- 2020 ● **International Symposium on Forecasting** 📍 Remote  
 Speaker  
 • Modeling and Probabilistic Forecasting of Natural Gas Prices
- 2020 ● **International Ruhr Energy Conference (INREC)** 📍 Remote  
 Speaker  
 • Data Science Methods for Probabilistic Natural Gas Price Forecasting
- 2019 ● **INTELLI 2019 - The Eighth International Conference on Intelligent Systems and Applications** 📍 Rome, Italy  
 Speaker  
 • Implementation of a Self-Enforcing Network to Identify Determinants of the WiFi Quality on German Highspeed Trains
- 2018 ● **The European Union, a union that does not work anymore?** 📍 Brussels, Belgium  
 Participant  
 • Three-Day Study Trip
- 2018 ● **The 18th summer workshop: "European monetary policy in practice"** 📍 Eltville am Rhein  
 Deutsche Bundesbank  
 • Two-Week Workshop on Monetary Policy



## VOLUNTARY

- 2022 | 2020 ● **Member of the Student Parliament** 📍 Essen  
 University of Duisburg Essen

I like exchanging ideas,  
connecting to people and

- 2021  
|  
2020
- **Member of the Student Parliament Presidium**  
University of Duisburg Essen  Essen
- 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 proffessorship in economics esp. public finance (Student Member)
- 2018
- **Mentor**  
University of Duisburg Essen  Essen
    - Supporting the elementary students of M.Sc. Economics

Last updated on 2023-06-14.  
Source: [github.com/BerriJ/cv](https://github.com/BerriJ/cv).