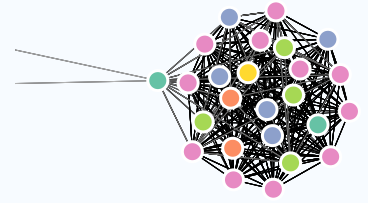


JONATHAN BERRISCH

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
• Graduated with Distinction: 1.2
• Focused on Econometrics
• Gathered experience in R
- 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

PERSONAL

🏠 1992
📍 Duisburg, Germany
NA
NA
✉ Jonathan@Berrisch.biz
☎ +49 172 2173741
🌐 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

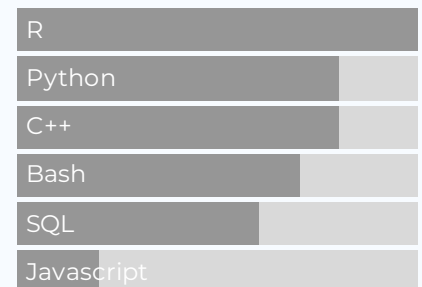
📍 Essen

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

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

2022



UseR! 2022 Conference

Speaker

📍 Remote

• An Introduction to Rcpp Modules

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

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



VOLUNTARY

2022 2020	● Member of the Student Parliament University of Duisburg Essen	📍 Essen
2021 2020	● Member of the Student Parliament Presidium University of Duisburg Essen	📍 Essen

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

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

Last updated on 2023-02-23.

Source: github.com/BerriJ/cv.