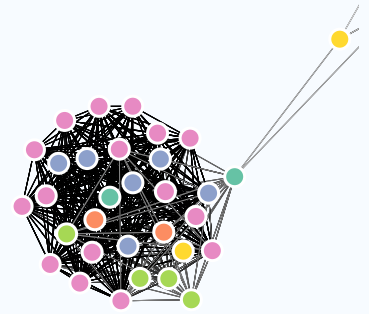


JONATHAN BERRISCH

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

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

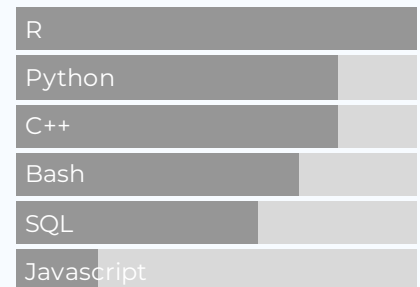
📍 Essen

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](#) • Quality Assurance • Duesseldorf
- 2015
|
2014 • **Service Employee**
Stadtsparkasse Duesseldorf • Duesseldorf
- 2014
|
2012 • **Apprentice**
Stadtsparkasse Duesseldorf • Duesseldorf



PUBLICATIONS

- 2023 • **CRPS Learning**
[Journal of Econometrics](#)
• Jonathan Berrisch, Florian Ziel
- 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**
[International Journal of Forecasting](#)
• Jonathan Berrisch, Florian Ziel
- 2022 • **Distributional modeling and forecasting of natural gas prices**
[Journal of Forecasting](#)
• 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

- 2023 • **International Ruhr Energy Conference (INREC)**
Speaker • Essen
• High-Resolution Peak Demand Estimation Using Generalized Additive Models and Deep Neural Networks

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

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

2023	<ul style="list-style-type: none"> ● Statistische Woche 2023 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Dortmund
	<ul style="list-style-type: none"> • Modeling Volatility and Dependence of European Carbon and Energy Prices 		
2023	<ul style="list-style-type: none"> ● ARGE Masterclass 2023 “Econometrics of Energy Markets“ 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Berlin
	<ul style="list-style-type: none"> • Modeling Volatility and Dependence of European Carbon and Energy Prices 		
2023	<ul style="list-style-type: none"> ● ECMI 2023 Conference 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Wrocław, Poland
	<ul style="list-style-type: none"> • Multivariate Probabilistic CRPS Learning: An Application to Day-Ahead Power Prices 		
2023	<ul style="list-style-type: none"> ● Smart4RES Final Conference 	<ul style="list-style-type: none"> Participant 	<ul style="list-style-type: none"> 📍 Paris, France
	<ul style="list-style-type: none"> • Next-generation Forecasting of Renewable Generation for Large-scale Integration in Energy Systems and Markets 		
2022	<ul style="list-style-type: none"> ● International Symposium on Forecasting 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Oxford
	<ul style="list-style-type: none"> • High-Resolution Peak Demand Estimation Using Generalized Additive Models and Deep Neural Networks • Best Student Presentation Award 		
2022	<ul style="list-style-type: none"> ● UseR! 2022 Conference 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Remote
	<ul style="list-style-type: none"> • An Introduction to Rcpp Modules 		
2022	<ul style="list-style-type: none"> ● International Conference on Computational Finance 2022 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Wuppertal
	<ul style="list-style-type: none"> • Multivariate CRPS Learning with Applications to Electricity Price Forecasting 		
2022	<ul style="list-style-type: none"> ● 15TH RGS Doctoral Conference in Economics 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Remote
	<ul style="list-style-type: none"> • CRPS Learning 		
2021	<ul style="list-style-type: none"> ● International Symposium on Forecasting 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Remote
	<ul style="list-style-type: none"> • CRPS Learning 		
2021	<ul style="list-style-type: none"> ● European conference on Operational Research 	<ul style="list-style-type: none"> Speaker 	<ul style="list-style-type: none"> 📍 Remote
	<ul style="list-style-type: none"> • CRPS Learning 		

- 2020

International Symposium on Forecasting
 Speaker

📍 Remote

 - Modeling and Probabilistic Forecasting of Natural Gas Prices
- 2020

International Ruhr Energy Conference (INREC)
 Speaker

📍 Remote

 - Data Science Methods for Probabilistic Natural Gas Price Forecasting
- 2019

INTELLI 2019 - The Eighth International Conference on Intelligent Systems and Applications
 Speaker

📍 Rome, Italy

 - 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?
 Participant

📍 Brussels, Belgium

 - Three-Day Study Trip
- 2018

The 18th summer workshop: "European monetary policy in practice"
 Deutsche Bundesbank

📍 Eltville am Rhein

 - Two-Week Workshop on Monetary Policy



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
- 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

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

Last updated on 2024-03-10.

Source: github.com/BerriJ/cv.