

Julian Oliver Dörr

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Personal data

Date of birth August 6, 1991

Place of birth Tübingen

Nationality German

Education

06/2020 - 11/2022	Justus Liebig University Giessen Ph.D. in Statistics and Econometrics ML, NLP, Economics of Innovation, Industrial Dynamics Thesis title: 'Essays on the Application of Statistical Learning in Empirical Economic Research' <i>magna cum laude</i> (equivalent to an A grade)
10/2017 - 12/2019	Otto Friedrich University Bamberg M.Sc. in Economics Economics, Statistics and Statistical Programming Thesis title: 'The Nonlinearity of Crises: Machine Learning Approaches to Economic Forecasting' Final grade: 1.0 (equivalent to an A grade)
10/2012 - 03/2016	Eberhard Karls University Tübingen B.Sc. in Economics and Business Administration Economics, Statistics and Finance Thesis title: 'Tax Incentives for International Profit Shifting within Multinational Groups - An empirical Analysis' Final grade: 1.1 (equivalent to an A grade)
08/2014 - 12/2014	Temple University Philadelphia, USA Exchange Semester
09/2008 - 05/2011	Kaufmännische Schule Hechingen High school diploma Final grade: 1.0 (equivalent to an A grade)

Experience

06/2022 - today

BMW Financial Services, Munich
Risk Manager and Data Scientist

- Developing statistical models to support decision making in the setting of residual values of used car vehicles
- Implementing machine learning algorithms to improve the efficiency and accuracy of risk processes

02/2020 - 04/2022

ZEW - Leibniz Centre for European Economic Research, Mannheim
Researcher and Data Scientist, Economics of Innovation and Industrial Dynamics

- Application of machine learning methods and natural language processing in economic research
- Data infrastructure projects (including firm-level microdata and unstructured webdata)
- Completion of a 120-hours course on deep learning
- Political consulting projects on e.g. the economic effects of the corona pandemic

07/2019 - 12/2019

TeamBank AG, Nürnberg
Working Student, Data Analytics

- Using machine learning methods to analyze consumer behavior
- Learning Python programming in a hands-on project (predict customer retention)
- Learning source code version control using Git

04/2019 - 07/2019

Deutsche Bundesbank, Frankfurt am Main
Internship, Stress Testing and Quantitative Analyses

- Natural Language Processing project of banking related news as automated way to filter public sentiment towards banking sector (sentiment analysis, topic modelling)

05/2018 - 04/2019

Siemens Digital Factory, Erlangen
Working Student, Business Development

- Full automation of the previously Excel-based CRM management report using R
- Developing metrics to assess sales opportunities within the digitization-related product portfolio at Siemens

10/2016 - 03/2017

BMW Credit Malaysia, Kuala Lumpur
Internship, Riskmanagement

- Setting up residual value risk related processes for the launch of a new finance lease product
- Scorecard performance monitoring and standard risk cost validation in credit risk
- Operational risk reporting to head office

03/2016 - 09/2016

BMW Group Financial Services, Munich
Internship, Riskcontrolling

- Validating, analyzing and monitoring risk indicators during the month-closing processes
- Developing Excel-based reporting tools using BEx Analyzer

03/2014 - 02/2016

University of Tübingen
Student assistant, Chair of Econometrics, Statistics and Empirical Economics

- Creating and preparing teaching material for a course on data analysis in R
- Teaching the first semester introductory course in Mathematics
- Data collection for various research projects

Software skills

R, Python	Advanced command of e.g. machine learning pipelines (<i>mlr / PyTorch, scikit-learn, spacy, transformers</i>), data analysis (<i>dplyr / pandas</i>), data visualization (<i>ggplot / seaborn</i>) and web scraping (<i>rvest, RSelenium / BeautifulSoup</i>)
Git, GitHub, Bitbucket	Advanced command of version control
SQL, SAS	Good command
Cloud-, Clustercomputing	Basic understanding
Microsoft	Advanced command of e.g. Excel and Power BI

Language skills

English	Fluent <i>UNlcert III</i>
Spanish	Good command <i>UNlcert II</i>

Extracurricular activities

07/2017 - 08/2017

Körperbehindertenförderung Neckar-Alb e.V., Hechingen
Social service as caregiver
Home for disabled people

09/2011 - 03/2012

Körperbehindertenförderung Neckar-Alb e.V., Mössingen
Voluntary year of social service
School for disabled students

Scholarships

04/2015 - 12/2019

Studienstiftung des Deutschen Volkes

08/2014 - 11/2014

Baden-Württemberg-Stipendium

08/2014 - 11/2014

German-American Fulbright Commission

04/2013 - 03/2014

Deutschlandstipendium

References available upon request.

January 8, 2023



Julian Oliver Dörr