

**Julian Oliver Dörr**  
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## Personal data

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Date of birth	August 6, 1991
Place of birth	Tübingen
Nationality	German

## Education

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06/2020 - 11/2022	<b>Justus Liebig University Giessen</b> <b>Ph.D. in Statistics and Econometrics</b> 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	<b>Otto Friedrich University Bamberg</b> <b>M.Sc. in Economics</b> 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	<b>Eberhard Karls University Tübingen</b> <b>B.Sc. in Economics and Business Administration</b> 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	<b>Temple University Philadelphia, USA</b> Exchange Semester
09/2008 - 05/2011	<b>Kaufmännische Schule Hechingen</b> <b>High school diploma</b> Final grade: 1.0 (equivalent to an A grade)

## Work experience

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07/2022 - 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

**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

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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

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

## Extracurricular activities

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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

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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 1, 2023



Julian Oliver Dörr