



CONTACTS

- ✉ Homepage:
<https://sites.google.com/view/sumitdeole>
- ✉ sumitdeole@gmail.com
- ✉ Research profile: [Google Scholar](#)

VISA STATUS

Niederlassungserlaubnis

FAMILY STATUS

Single

LANGUAGES

English: Native or bilingual

German: B1 Niveau

French: B2 Niveau

CERTIFICATIONS

- IBM Data Science Professional Certificate
- Google Data Analytics Professional Certificate
- Product Management Certification+Agile Product Owner+Scrum
- Cognigy.AI Developer and Conversation Design Course

ACADEMIC PUBLICATIONS

2022

1. Working from Home and Employee

* Refer to academic publications (number in brackets)

DR. SUMIT DEOLE

Data Mercenary and Product Owner

A Ph.D. (economics) with three years of experience in explorative and predictive data analysis is looking for a (Senior) Data Scientist position in an exciting and dynamic company. My work philosophy involves a customer-centric data-driven approach to product development and market research and a strong work ethic with demonstrated success as an independent data scientist and working in collaboration within diverse team environments.

TECHNICAL SKILLS

Technologies: SQL, Python (scikit-learn, seaborn, matplotlib), R, PowerBI, Figma, STATA

Keywords: Product life cycle, Conversational AI, OData analytics, Causal inference, quasi-experimental designs, aggregation, clustering, classification, predictive analytics, similarity matching, difference-in-differences, supervised learning, exploratory data analysis, Big and small datasets, Cathy O'Neil's Data Science Process, Cross-industry standard process for data mining (CRISP-DM)

Methodologies: Design-Driven Development, Agile software development – SCRUM, Software testing, software development life cycle (SDLC), incremental software development, Waterfall model

EDUCATION

- | | |
|---|---------------|
| Ph.D. in Economics
University of Halle-Wittenberg, Germany | 📅 2013 - 2019 |
| Master in Public Policy and Development Economics
Toulouse School of Economics, France | 📅 2012 - 2013 |
| Maîtrise in Ingénierie Economique et Financière
Aix-Marseille School of Economics, France | 📅 2010 - 2012 |
| Bachelor of Technology (Electrical Engineering)
University of Mumbai, India | 📅 2004 - 2008 |

WORK EXPERIENCE*

- | | |
|---|---------------------|
| Product Owner
Cognigy GmbH | 📅 05-2022 – 09-2022 |
| <ul style="list-style-type: none">○ Ideate and implement a customer-centric product roadmap for two products providing Analytics and CCaaS solutions in the fast-paced Conversational AI industry<ul style="list-style-type: none">▪ OData visualization and data cleaning using Power BI to generate new analytics ideas and create mockups using Figma to ease software development○ Foster interaction with internal stakeholders and conduct competitor analysis and customer feedback to continue nurturing the product backlog○ Facilitate cross-functional Scrum team collaboration and organize sprint planning to realize product goal – Goal tracking using Leapsome OKRs | |
| Toolbox: OData analytics, Power BI, Figma, Visual Studio Code, Azure DevOps, Leapsome | |
| Postdoctoral fellow
Universität der Bundeswehr München | 📅 11-2021 – 04-2022 |
| <ul style="list-style-type: none">○ Develop and employ the best quantitative models of causal inference to predict individual behaviors and decisions<ul style="list-style-type: none">▪ employ first-difference (FD) estimator to estimate the impact of increased home office frequency on employees' productivity and working hours in the UK (1) | |

Performance during the COVID-19 Pandemic in the UK. *GLO DP Series 791*. R&R (2nd) at *Labour Economics* (with Dr. Yue Huang, Trier and Max Deter, Wuppertal)

2. Do negative emotions cause immigration concerns? *GLO DP Series 644*. R&R (3rd) at the *Journal of Population Economics* (with Dr. Yue Huang, Trier)
3. Immigrant-native gap in risk and time preferences in Germany. *Journal of Population Economics* (forthcoming) (with Prof. Marc Oliver Rieger, Trier)

2021

4. Refining the Saliency Hypothesis. *International migration*, 59(1), 21–37 (with Prof. Lewis Davis, NY)
5. How do new immigration flows affect existing immigrants? Evidence from the refugee crisis in Germany. In R. Sauer (Ed.), *The Handbook of Global Migration*. World Scientific. (with Dr. Yue Huang, Trier)

2019

6. Justice delayed is assimilation denied. *Labour Economics*, 59, 69–78

2018

7. Human capital consequences of violence in schools. *Review of Development Economics*, 22(1), 287–310

- exploit the exogenous variation in individuals' negative emotions induced by the death of their parent and estimate the impact of negative emotions on attitudes towards immigration and voting to the extreme (far-right and far-left) political parties in Germany by using fixed effects regressions with instrumental variables (IV FE) estimator (2)
- Exploratory data analysis
 - perform a bounding exercise on the unobserved heterogeneity in the regression model that can overturn the estimated immigrant-native gap in economic preferences in Germany (3)
 - write scientific summary of the statistical analysis for wider reach (4)
- Ensure effective data massaging for the optimum value extraction
- Make presentations to peers, and accommodate suggestions
- Course taught: Einführung in die Mikroökonomie

Toolbox: SQL, Stata, R, Python, Excel

Postdoctoral fellow

📅 11-2019 - 10-2021

Technische Universität Dortmund

- Estimating the causal determinants of individual decisions
 - Perform difference-in-differences estimator to analyse the impact of European refugee crisis on existing immigrants in Germany (5)
 - Employ similarity matching to find the suitable control group for the treated observations and estimate the impact of extreme right terror on the targeted minorities (6)
- Build a team of quantitative researchers to facilitate departmental needs
- Provide technical help and cutting edge inputs on their scientific work
- Work within the coauthor network to ensure the best quantitative practices (4)
- Strong attention to detail and ability to work within a diverse team
- Courses taught: Empirical methods for policy evaluation, Law and Economics

Toolbox: Stata, R, Python, Excel

Research assistant

📅 10-2013 - 10-2019

University of Halle-Wittenberg

- Intensive training on quantitative methods and mathematical fundamentals
- Conceive and implement innovative research ideas and statistical models
 - Causal inference using Lewbel estimator when an appropriate instrumental variable is not readily available (7)
- Construct datasets and learn effective data cleaning
- Publish research in reputed scientific outlets
- Coordinate various departmental activities
- Course taught: Optimal control techniques

Toolbox: Stata, R, Excel

Software engineer

📅 09-2008 - 07-2010

Capgemini SE (formerly Patni Computer Systems Ltd), Client: St. Jude Medical

- Coordinate with the client, onshore and offshore workers for requirement gathering and their implementation in healthcare devices
- Verification and validation – Software testing
- Manage team communication and report weekly progress to all involved

Methodologies: Software testing, software development life cycle (SDLC), Customer lifetime value (CLV), Agile software development – SCRUM, incremental software development, Waterfall model