

# Jan Teichert-Kluge

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## Education

### University of Hamburg, Department of Statistics

Hamburg, Germany

*Ph.D., Statistics*

Jun 2023 - Present

- Focus Areas: Semiparametric Models, Causal Inference, Deep Learning & Machine Learning

### University of Hamburg / Hamburg University of Applied Science

Hamburg, Germany

*M.Sc., Industrial Engineering*

Oct 2020 - May 2023

- Thesis: "Causal Machine Learning with Deep Learning approaches" (Grade: 1.0)
- Focus Areas: Data Science & Machine Learning (Business focus), Energy Engineering (Technical focus)
- Graduation Grade: 1.4

### University of Hamburg / Hamburg University of Applied Sciences

Hamburg, Germany

*B.Sc., Industrial Engineering*

Oct 2016 - Sep 2020

- Thesis: "Development and Construction of a Stabilized and Extended Quadcopter" (Grade: 1.0)
- Graduation Grade: 2.0

### Detlefsengymnasium

Glückstadt, Germany

*High School Diploma*

Aug 2008 - Aug 2016

- Graduation Grade: 2.0

## Experience

### University of Hamburg, Department of Statistics

Hamburg, Germany

*Research Associate*

Jun 2023 - Present

- Teaching includes: Statistics 1 and 2, Machine Learning in Business, Causal Inference, Mathematics
- Research includes: Estimation of Causal Effects with Multimodal Data, Double / Debiased Machine Learning for Applications in Marketing.

### Philips Medical Systems DMC GmbH

Hamburg, Germany

*Working Student - Data Science*

Aug 2022 - May 2023

- Responsibilities include: Creating reports using Power BI, Data transformation and analysis with Python / PySpark in Azure Databricks, Data preparation and provisioning in SQL Views in Azure Synapse, Machine Learning (incl. AutoML and Spark ML)

### Siemens Gamesa Renewable Energy GmbH & Co. KG

Hamburg, Germany

*Working Student - Administrative Business Intelligence*

Feb 2021 - Jul 2022

- Responsibilities include: Regular KPI meetings for optimization of deployment planning, various IT projects in Automation / Digital Transformation, Data management (SQL, MS365), Automation of MS365 (Outlook, Excel, Access) with Python, and Data Science projects.

### **Berufliche Schule Uferstraße Hamburg**

Hamburg, Germany

*Mathematics Teacher - Support Course*

Mar 2019 - Aug 2020

## **Skills**

### **Technical Skills**

- Python: Automation, Regular Expressions, APIs, Data Science, Machine Learning, Deep Learning, Object-oriented programming, Library and module creation
- SQL: Queries, Transformation, Aggregation, Calculations, (Recursive) CTEs
- C / C++: Software development, In System Programming
- R: Statistics, Visualizations
- Power BI: Data preparation with DAX, Creation of Reports, Dashboards, Paginated Reports, Publishing and Management of Reports in Power BI Service
- Microsoft 365: Excel / VBA, Access, PowerPoint
- Azure: Databricks, Synapse Analytics, Data Lake Storage, SQL

### **Soft Skills**

- Communication: Communicate ideas, findings, and updates with colleagues
- Collaboration: Work cooperatively with team members, share knowledge and resources
- Critical Thinking: Capacity to critically analyze information, evaluate research methodologies, and identify potential biases or limitations in data interpretation

## **Organizations**

### **Student Council Industrial Engineering (HWI)**

Hamburg, Germany

*Elected Chairman of the Board*

Oct 2020 - Oct 2022

- Representation of > 750 students, Management of the student council ( $\approx$  30 students), Organization of larger events (> 150 participants)

### **Student Council Industrial Engineering (HWI)**

Hamburg, Germany

*Member*

Oct 2018 - Oct 2020

- Exchange with other students, Project group communication, Organization of smaller events (< 100 participants)

## **Awards**

### **Hauke-Trinks-Award 2020 (2nd Place)**

Northern Institute of Technology Management