

# GERMAN DATA SCIENCE DAYS 2023

Data, the new gold of the digital era, Deep Learning, and AI are some of the currently prominent buzzwords. Data science, the science and methodology of extracting information and knowledge from data, plays a major role in science, industry, and business, and close collaboration between all parties involved is necessary. The German Data Science Days (GDSD) provide the ideal platform for such collaboration: We bring together data scientists from various fields and create a forum for users and experts with the aim to identify and discuss new methods, explore new fields of application, and enhance the professional image of data scientists.

The German Data Science Days are organised by the elite master program Data Science at LMU Munich in cooperation with the German Data Science Society (GDS) e.V..

## CONTACT

Dr. Constanze H. Schmalzing  
T. +49 (0)89 2180 2220  
constanze.schmalzing@stat.uni-muenchen.de

Ludwig-Maximilians-Universität München  
Institut für Statistik | Ludwigstr. 33 | 80539 München

Grafik-Design: www.rebecca-massmann.de

PREDICTIVE ANALYSIS ARTIFICIAL INTELLIGENCE BIG DATA  
MACHINE LEARNING DATA SECURITY DEEP LEARNING  
DATA MINING DATA ETHICS STATISTICS PREDICTIVE  
ANALYSIS ARTIFICIAL INTELLIGENCE BIG DATA MACHINE  
LEARNING DATA SECURITY DEEP LEARNING DATA  
MINING DATA ETHICS STATISTICS PREDICTIVE ANALYSIS

# GERMAN DATA SCIENCE DAYS

## 2023



[www.datasciencedays.de](http://www.datasciencedays.de)

## DataScience@LMU

Fakultät für Mathematik, Informatik und Statistik  
Ludwig-Maximilians-Universität München  
Ludwigstr. 33 | 80539 München  
[www.datascience-munich.de](http://www.datascience-munich.de)

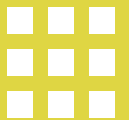


LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

FAKULTÄT FÜR MATHEMATIK,  
INFORMATIK UND STATISTIK

# GERMAN DATA SCIENCE DAYS

## 2023



09|03 - 10|03|2023

LMU München.

Main building. Große Aula.

Geschwister-Scholl-Platz 1 | 80539 München



### 09|03|2023

08:30 - 10:15 Registration

10:15 - 10:30 Welcome

#### 10:30 - 11:30 Session 1

##### Data Science in Insurance

- **Allianz: Asmik Nalmpatian / Levent Alkaya:** “Cross-Country Mortality Modelling for Life Protection Insurance at Allianz”
- **Munich Re: Dr. Fabian Winter:** “Data and Analytics at Munich Re”

11:30 - 12:00 Coffee break

#### 12:00 - 13:00 Session 2

##### Data Science in Banking and Finance

- **Deutsche Bundesbank: Prof. Stefan Bender / Frankfurt University of Applied Sciences/Deutsche Bundesbank: Prof. Gabriela Alves Werb, PhD:** “Data Orchestration: Bringing together Economics and Data science”
- **Scalable Capital: Dr. Sandra Schmid:** “Discovery Engine: A Recommender System for Broker Clients”

13:00 - 14:15 Lunch break

#### 14:15 - 15:45 Session 3

##### Data Science in Public Health, Health Care, and Sports

- **La Roche Ltd.: Dr. James Black:** “Data Science in the Pharmaceutical Industry – Driving Innovation through Insights”
- **Vitagroup AG: Dr. Nils Hellrung:** “Health Data in Germany – Treasure or Trap?”
- **Fraunhofer Bonn: Prof. Dr. Holger Fröhlich:** “Data Science in Biomedicine”

15:45 - 16:15 Coffee break

#### 16:15 - 17:45 Session 4

##### Data Science in E-Commerce, Retail, and B2C

- **Hoffmann SE: Prabhu Dutta Das / Thamm GmbH: Alexander Fottner:** “Factoring in Factors for Success”
- **Telekom: Dr. Heide-Gesa Löhlein / Ibrahim Gökce:** “Personalization in Telecommunications: Mission Impossible?”
- **IBM: Roland Bigge:** “Philyra – AI-Powered Perfumery”

17:45 - 18:00 German Data Science Society (GDS) e.V.:  
Prof. Dr. Göran Kauermann

### 10|03|2023

#### 09:00 - 10:30 Session 5

##### Data Science in War (Prevention) and Conflict Research

- **Peace Research Institute Oslo (PRIO): Prof. Håvard Hegre:** “Building and Improving VIEWS, a Political Violence Early-Warning System”
- **University of Konstanz: Prof. Dr. Nils Weidmann / Stefan Scholz:** “Using Computer Vision for Protest Detection”
- **Airbus Defence: Christoph Arm:** “From Cutting-Edge Sensors to Multi-Intelligence Knowledge”

10:30 - 11:00 Coffee break

#### 11:00 - 12:00 Session 6

##### Data Security and Data Ethics

- **Leibniz Supercomputing Centre (LRZ): Prof. Dr. Dieter Kranzlmüller:** “Data Protection – A View from a Supercomputing Center”
- **TUM: Prof. Dr. Dirk Heckmann:** “Datennutzung als Verfassungspflicht und ethisches Gebot”

12:00 - 13:15 Lunch break

#### 13:15 - 14:45 Session 7

##### Data Science in Education and Research

- **Prof. Dr. Bernd Bischl: Munich Center for Machine Learning (MCML)**
- **Prof. Dr. Fabian Theis: Munich School for Data Science (MuDS)**
- **Prof. Dr. Gitta Kutyniok: Konrad Zuse School of Excellence in Reliable AI (reIAI)**
- **Prof. Dr. Oliver Falck: Ifo Center for Industrial Organization and New Technologies**

14:45 - 15:15 Coffee break

#### 15:15 - 16:45 Session 8

##### Data Science in Transport

- **DB Netz AG: Hannah Richta:** “Mehr Pünktlichkeit: Automatische Dispositionsassistentz für pünktlichere Züge”
- **Audi: Dr. Vladislav Rosov / Sebastian Herbst:** “Einsatz von KI in der Fahrzeugentwicklung”
- **Lufthansa Group: Christian Most:** “The Beauty of Complexity: Decision Support in Operations Steering”

16:45 - 17:00 Wrapup