

# Florian Pfisterer

STATISTICIAN · DATA SCIENTIST · MACHINE LEARNING RESEARCHER

✉ pfistererf@googlemail.com   📄 pfistfl   📺 pfistfl   📄 Scholar

## Education

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### Ludwig-Maximilians-University (LMU)

PHD STUDENT - STATISTICAL LEARNING AND DATA SCIENCE

- Automated Machine Learning
- Single- and Multi-objective Optimization
- Evaluation of Machine Learning Pipelines
- Algorithmic Fairness

*Munich, Germany*

*April 2018 - Present*

### UPC - Barcelonatech

ACADEMIC EXCHANGE - FACULTY FOR MATHEMATICS AND STATISTICS

*Barcelona, Spain*

*Sept. 2017- Feb. 2018*

### Ludwig-Maximilians-University (LMU)

M.Sc. STATISTICS (FINAL GRADE: 1.3)

- Thesis: "Kernelized Feature Space Transformations for Anomaly Detection and Shapelet Learning in Time Series Data"

*Munich, Germany*

*Mar.2016 - Mar. 2018*

### Universidad Complutense Madrid

ACADEMIC EXCHANGE - FACULTY FOR MATHEMATICS

*Madrid, Spain*

*Aug. 2014 - Feb. 2015*

### Ludwig-Maximilians-University (LMU)

B.Sc. STATISTICS, MINOR: SOCIOLOGY

- Thesis: "Benchmark Analysis for Machine-Learning in R" (with Distinction for best Bachelor's Thesis)

*Munich, Germany*

*Oct. 2012 - Feb. 2016*

## Experience

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### Hoffmann-La Roche AG

RESEARCH INTERN - PERSONALIZED HEALTHCARE

- Domain generalization for clinical survival data

*Basel, Switzerland*

*May 2021 - Aug. 2021*

### Essential Data Science GmbH

LECTURER - FREELANCE

- Professional trainings @ DAX companies: Advanced R, Deep Learning, Gradient Boosting

*Munich, Germany*

*June 2019 - Present*

### LMU Munich

SCIENTIFIC ASSISTANT / LECTURER

- Programming with statistical Software (R)
- Innovation Lab: Big Data Science - Coordinator & SCRUM Master for Data Science Collaborations with Industry & NGO's
- Seminars: Ethics in AI, Limits of Interpretable Machine Learning

*Munich, Germany*

*April 2018 - Present*

### LMU Munich External Trainings

LECTURER - FREELANCE

- Professional trainings: Advanced R, Data Science, Deep Learning

*Munich, Germany*

*April 2018 - April 2019*

### Alpha - Telefónica Moonshots

RESEARCH INTERN

- Research in Psychology and Human Computer Interaction (HCI)
- Analysis of smartphone sensor data (Python)

*Barcelona, Spain*

*Nov 2017 - Feb. 2018*

### Bosch Center for Artificial Intelligence - Robert Bosch GmbH

COLLABORATION STUDENT - MASTER'S THESIS

- Thesis Title: "Kernelized Feature Space Transformations for Anomaly Detection and Shapelet Learning in Time Series Data"
- Development and Implementation of a novel Algorithm (R and C++)

*Stuttgart, Germany*

*Mar. 2017 - Aug. 2017*

## Telefónica Germany GmbH

STATISTICAL CONSULTING

- Concept/Implementation of a Textmining Project on a Big Data Platform (Spark, Hadoop, Hive)

*Munich, Germany*

*Apr. 2016- Dec. 2016*

## Telefónica Germany GmbH

COLLABORATION STUDENT - BUSINESS AND CUSTOMER INTELLIGENCE UNIT

- Analyzed customer data & developed statistical- and Machine Learning Models for prediction of customer behaviour (R, SQL).
- Implementation of Scorecards and a Scorecard Development Process (R, SQL).
- Enhancement of data warehouse quality monitoring (PL/SQL).
- ETL-Development and Extension (PL/SQL)

*Munich, Germany*

*Apr. 2015 - Feb. 2017*

## Dotplot GmbH - Startup

COLLABORATION STUDENT

- Data analysis (R)
- Development and Implementation of data visualization tools (R)

*Munich, Germany*

*Feb. 2014 - Aug. 2014*

## Extracurricular Activities

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### ReDI School of Digital Integration

TEACHER, ORGANIZER

- Programming and Data Science Literacy Classes for Refugees

*Munich, Germany*

*2019-2020*

### Certifications

CERTIFICATIONS & ONLINE COURSES

- TÜV SÜD - SCRUM Master & Product Owner (2020)
- ITEMO - SCRUM Master (Professional) (2020)
- Coursera - Neural Networks by Geoff Hinton (Matlab) (2018)

*since 2017*

### Open Source Software Development (R)

CONTRIBUTOR & AUTHOR

- mlr (Machine Learning in R)
- mlr3 (Machine Learning in R - Next Generation)
- mlr3pipelines | mlr3keras | mlr3fairness (Extension packages for mlr3)
- mcboost (Multi-calibration Boosting (R))

*since 2015*