

Since 10/2018

Postdoctoral Fellow

Frankfurt Laboratory for Experimental Economic Research

Since 10/2018

Associate

Center for Leadership and Behavior in Organizations

PREVIOUS POSITIONS

01/2020-06/2020

Temporary Senior Lecturer, Managerial Economics

University of Essex, Business School

10/2018-12/2019

Artificial Intelligence Specialist

TechQuartier Fintech GmbH, Frankfurt

10/2017-04/2018

Research/ Teaching Assistant

Chair of Human Resources Management (Prof. Dr. Guido Friebe), Goethe University, Frankfurt

10/2014-09/2018

Research/ Teaching Assistant

Chair of Organization and Management (Prof. Dr. Michael Kosfeld), Goethe University, Frankfurt

GRANTS

2022

VolkswagenStiftung: Artificial Intelligence and the Society of the Future (Under Prof. Dr. Oliver Hinz)

“From Machine Learning to Machine Teaching – Making Humans and Machines Smarter.”

2020

Kassel Foundation (Under Prof. Dr. Oliver Hinz)

“Do intelligent decision support systems erode moral behavior?”

AWARDS

2021

Campana und Schott Award

Auszeichnung Wirtschaftsinformatik

FELLOWSHIPS

03/2017-07/2017

Visiting Scholar

University of Michigan, School of Information

OTHER POSITIONS

Associate Editor 16th International Conference on Wirtschaftsinformatik 2021

Associate Editor ICIS 2021

Associate Editor 17th International Conference on Wirtschaftsinformatik 2022

TEACHING EXPERIENCE

01/2020-today

Artificial Intelligence Workshops

Interactive 3 days seminar for central bankers and financial supervisors in Europe on different topics:

NLP in finance

AI for financial supervision

XAI for financial supervision

Introduction to Machine Learning

Digital technologies for financial supervision

01/2020-06/2022

Managerial Economics

Economic analyses of managerial decision-making w. focus on the production of novel technologies

MBA Students, University of Essex, Business School

04/2020-09/2020

Seminar Topics in Digital Economics

The impact of algorithmic transparency on markets

B.Sc. students, Johannes Gutenberg University Mainz

10/2019-03/2020-

Seminar Wirtschaft 6.2

Empirical research on behavioral economic phenomena

B.Sc. students, Goethe University Frankfurt

10/2015-09/2018

Management (TA)

Game theoretic analyses on managerial decision making

B.Sc. students, Goethe University Frankfurt

04/2017-09/2017

Microeconomics (TA)

Market analyses

B.Sc. students, Goethe University Frankfurt

CODING SKILLS AND EXPERIENCE

7 years of experience in (Big data) analysis using STATA, R, Python

- Econometric analyses
- Classic statistical analyses
- Machine learning
- Automated data collection, e.g., web scraping

3 years of experience in relational databases using SQL

- Building databases
- Data preparation

2 years of experience in web design using HTML and JS

- Building interactive web interfaces
- Designing and running online A/B tests

PUBLICATIONS

Bauer, K., Hinz, O., van der Alast, W., Weinhhardt, C. (2021). *Expl(AI)n it to me – Explainable AI and Information Systems Research*. Business & Information Systems Engineering. Bus Inf Syst Eng 63, 79–82.

Bauer, K., Hinz, O., & Weber, P. (2021). *KI in der Finanzbranche: Im Spannungsfeld zwischen technologischer Innovation und regulatorischer Anforderung* (No. 80). SAFE White Paper.

REVISE AND RESUBMIT

Bauer, K., v Zahn, M., Hinz, O. (2021). *Expl(AI)ned: The Impact of Explainable Artificial Intelligence on Cognitive Processes*. SAFE Working Paper (No. 315). (Information Systems Research)

Bauer, K., Pfeuffer, N., Abdel-Karim, B. M., Hinz, O., & Kosfeld, M. (2020). *The Economic Consequences of Algorithmic Discrimination*. SAFE Working Paper (No. 287). (Journal of the Association for Information Systems)

Nofer, M., Bauer, K., Abdel-Karim, B., Hinz, O. (2021). *Please (don't) help me, A.I.: Intelligent Decision Support and Human Learning*. Unpublished Manuscript. (Information Systems Journal)

Bauer, K., Gill, A. (2021). *Mirror, Mirror in the Wall: Algorithmic Assessments and Self-Fulfilling Prophecies*. SAFE Working Paper (No. 313). (Information Systems Research)

UNDER REVIEW

Bauer, K., von Siemens, F., Kosfeld, M. (2021). *Monetary Incentives, Self-Selection, and Coordination of Motivated Agents for the Production of Social Goods*. SAFE Working Paper (No. 318). (Under Review at Management Science)

Bauer, K., Hinz, O. (2021). *Quantum Computing – Advances in Quantum Technology and its Potential Impact on Companies and the Society*. Unpublished Manuscript. (Under review at Bus Inf Syst Eng)

Abdel-Karim, B. (Hg.), Bauer, K., Franzmann, D., Jöntgen, H., Keller, K., Zeuch, M., (2021). *Data Science – Best practices mit Python*. Springer-Verlag. (Under editing by Springer Verlag).

WORKING PAPERS

Bauer, K., Hett, F. (2020). *In or Out? In-group Bias in Diverse Social Environments*. Unpublished Manuscript.

Bauer, K. (2020). *How did we do? The Impact of Relative Performance Feedback on Intergroup Hostilities* (No. 281). SAFE Working Paper.

OTHER ONGOING PROJECTS

Bauer, K., Yang, C. L., Li, X., Hinz, O. (2021). *Investment decisions under collaborative human-machine advice: A field experiment*.

Bauer, K., von Zahn, M., Speicher, M., Jagow, J., Hinz, O. (2021). *Customizing Green Nudges: An Application of Causal Machine Learning in E-commerce*.

Bauer, K., Hett, F., Chen, Y., Kosfeld, M. (2020). *The role of group identity in fostering political polarization*. (Pre-registered field study: AEARCTR-0006670, AEARCTR-0007106).

Bauer, K., Chabanova, E., Hett, F. (2021). *Endogenous Social identities and Economic Behavior*.

Bauer, K., Grunewald, A., Hett, F., Jagow, J., Speicher, M. (2020) *The relationship between individual loss-aversion and the effectiveness of discount framing in E-commerce: a field experiment*. (Pre-registered field study: AEARCTR-0006291).

Frankfurt am Main, 27.07.2022