

Oliver Buchholz

CONTACT INFORMATION

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RESEARCH INTERESTS

AOS Philosophy of Science, Philosophy of Machine Learning

EDUCATION

NOV 2020 – Present Ph. D. in PHILOSOPHY

University of Tübingen, Germany

Advisors: Prof. Dr. Wolfgang Spohn and Dr. Eric Raidl

OCT 2018 – OCT 2020 M. A. in PHILOSOPHY

University of Tübingen, Germany

Thesis: “Artificial Neural Networks and the Reference Class Problem”

Advisor: Jun.-Prof. Dr. Alexandra Zinke

OCT 2018 – OCT 2020 M. Sc. in ECONOMICS AND FINANCE

University of Tübingen, Germany

Thesis: “Uncertainty and the Business Cycle”

Advisor: Prof. Dr. Thomas Dimpfl

OCT 2016 – AUG 2017 B. Sc. in MATHEMATICS (non degree-seeking)

University of Stuttgart, Germany

Undergraduate coursework in analysis, linear algebra, numerics and stochastics

OCT 2012 – JUL 2016 B. Sc. in ECONOMICS AND BUSINESS ADMINISTRATION

University of Hohenheim, Stuttgart, Germany

Thesis: “Forecasting Emergency Patient Arrival Counts”

Advisor: Prof. Dr. Robert Jung

AWARDS AND SCHOLARSHIPS

NOV 2012 – OCT 2020 Scholar of the German National Academic Foundation (*Studienstiftung des deutschen Volkes*)

OCT 2015 Admission to the Dean’s List of the Faculty for Economics and Social Sciences at the University of Hohenheim for grades among the best 3 % of the faculty’s students

ACADEMIC POSITIONS

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| NOV 2020 – Present | RESEARCH ASSISTANT, Cluster of Excellence “Machine Learning: New Perspectives for Science”, University of Tübingen |
| OCT 2018 – Present and OCT 2012 – AUG 2017 | RESEARCH ASSISTANT, Chair of Procurement and Production, University of Hohenheim |
| OCT 2016 – AUG 2017 | STUDENT ASSISTANT, Chair of Econometrics and Statistics, University of Hohenheim |

TALKS

1. “The Deep Neural Network Approach to the Reference Class Problem”, workshop “Philosophy of Science in the Light of AI” (virtual), October 2021.*
2. “A Means-End Account of Explainable Artificial Intelligence”, 4th Conference on “Philosophy and Theory of Artificial Intelligence”, Gothenburg, September 2021.*
3. “A Falsificationist Account of Artificial Neural Networks” (with E. Raidl), Congress of the Society for the Philosophy of Science, Mons, September 2021 (not held due to Covid-19 measures).*
4. “A Falsificationist Account of Artificial Neural Networks”, CEPE/IACAP joint conference, Hamburg (virtual), July 2021.*
5. “A Falsificationist Account of Artificial Neural Networks”, Philosophy of Science & Methodology Colloquium, Tübingen, June 2021.

* conference/workshop with peer-review

TEACHING

Seminar *Philosophische Aspekte des maschinellen Lernens*, University of Stuttgart, undergraduate level, winter term 2021/2022 (in german).

ADDITIONAL SKILLS

LANGUAGES German: native speaker
 English: fluent
 French: intermediate

IT Matlab, R, SAS, SQL, Stata (alphabetical order)