

# Oliver Buchholz

## CONTACT INFORMATION

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ADDRESS AI Research Building, Maria-von-Linden-Straße 6, 72076 Tübingen, Germany  
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## RESEARCH INTERESTS

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AOS Philosophy of Science, Philosophy of Machine Learning

## EDUCATION

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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

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NOV 2012 – OCT 2020	Scholar of the German National Academic Foundation ( <i>Studienstiftung des deutschen Volkes</i> )
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

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1. “The Deep Neural Network Approach to the Reference Class Problem”, workshop “Philosophy of Science in the Light of AI” (virtual), *tba.*\*
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.\*
4. “A Falsificationist Account of Artificial Neural Networks”, CEPE/IACAP joint conference, Hamburg (virtual), July 2021.\*

\* conference/workshop with peer-review

## ADDITIONAL SKILLS

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LANGUAGES    German: native speaker  
                  English: fluent  
                  French: intermediate

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