


KAROLINE BAX, Ph.D.

CONTACT INFORMATION	Technical University of Munich TUM School of Management TUM Campus Heilbronn Bildungscampus 9, 74076 Heilbronn, Germany	+49 7131 26418-826 karoline.bax@tum.de www.karolinebax.com 
RESEARCH INTERESTS	Sustainability, ESG, and Biodiversity Finance Risk Analysis and Copula Modeling Statistics and Financial Econometrics Large Language Models and Textual Analysis	
CURRENT POSITION	Postdoctoral Researcher Statutory Independent University Examiner Technical University of Munich, Germany Center for Digital Transformation TUM School of Management TUM Campus Heilbronn Prof. Dr. Sebastian Müller, CFA	Nov. 2022 - now June 2023 - now
VISITING POSITIONS	Technical University of Munich (TUM), Germany School of Computation, Information and Technology Department of Mathematics Prof. Claudia Czado, Ph.D.	Oct. 2020 - March 2022
EDUCATION	Ph.D. Economics and Management with the additional label of <i>Doctor Europaeus</i> University of Trento, Italy Doctoral School of Social Sciences Department of Economics and Management Thesis: <i>Essays in Sustainable Finance</i> Highest distinction available (cum laude) Advisor: Prof. Sandra Paterlini, Ph.D.	Nov. 2019 - March 2023
	M.Sc. Finance EBS University, Germany Grade Quotient Overall: 95% - Grade 1.2 – 1st place in Academic Ranking Thesis: <i>A Risk Factor Analysis of Exchange Traded Funds</i> Grade 1.1 Advisors: Prof. Sandra Paterlini, Ph.D. and Philipp Kremer, Ph.D.	Aug. 2017 – Sep. 2018

B.Sc. General Management Aug. 2014 – July 2017
 EBS University, Germany
 Grade Quotient Overall: 89.1% - Grade 1.6 – Academic Ranking: Top 5%
 Thesis: *Motivation and Incentives: A Critical Look at Home Office and Teleworking* Grade 1.0
 Advisors: Prof. Dr. Jenny Kragl and Prof. Rasa Karapandza, Ph.D.
 • Study Abroad Semester: Victoria University of Wellington, New Zealand

Apprenticeship and work as Air Traffic Controller Aug. 2012 - June 2014
 Deutsche Flugsicherung GmbH, Langen, Germany
 Working in the Center Munich

International Baccalaureate Sep. 2008 - Aug. 2010
 King William's College, Isle of Man

ORGANIZER/
 HOST **Current Research Trends in Sustainable Finance** Nov. 2023
 Two day interdisciplinary workshop at
 TUM Campus Heilbronn, Germany
 together with Prof. Dr. Sebastian Müller

RECENT
 CONFERENCES
 AND INVITED
 SEMINARS **33st EFMA 2024** June 2024
 European Financial Management Association
 ISEG, Universidade de Lisboa, Lisbon, Portugal
 Presentation of working paper: Chasing ESG Performance:
 Revealing the Impact of Refinitiv's Scoring System.

Invited Seminar at EBS University June 2024
 Prof. Dr Julia Hartman - EBS University
 Presentation of working paper: Chasing ESG Performance:
 Revealing the Impact of Refinitiv's Scoring System.

Statistical Learning with Vines June 2023
 Prof. Claudia Czado, PhD - Technical University of Munich
 Presentation of paper: ESG, Risk, and (tail) dependence.

Invited Seminar at MCFAM Seminar Nov. 2022
 Prof. Rina Ashkenazi - University of Minnesota
 Virtual presentation of working paper: Large Do lower ESG rated
 companies have higher systemic impact? Empirical Evidence from
 Europe and the United States.

Invited Seminar at AMCE Research Seminar Nov. 2022
 Prof. Dr. Ramzi Benkraiem - Audencia Business School
 Virtual presentation of working paper: Large Do lower ESG rated
 companies have higher systemic impact? Empirical Evidence from
 Europe and the United States.

13th CEQURA
Advances in Financial and Insurance Risk Management Oct. 2022
 LMU Center for Quantitative Risk Analysis, Munich
 Virtual presentation of working paper: Large Do lower ESG rated

companies have higher systemic impact? Empirical Evidence from Europe and the United States.

- 31st EFMA 2022** June/July 2022
European Financial Management Association
Campus Bio-Medico University, Rome
Presentation of working paper: ESG, Risk, and (tail) dependence.
- CINSC: 1st Conference on International Finance; Sustainable and Climate Finance and Growth** June 2022
Future Finance and Economics Association
Università degli Studi di Napoli 'Parthenope', Naples
Presentation of working paper: ESG, Risk, and (tail) dependence.
- Invited Seminar at TTU Mathematical Finance** April 2022
Prof. Dr. Svetlozar Rachev - Texas Tech University
Virtual presentation of working paper: ESG, Risk, and (tail) dependence.
- 10th MAF2022** April 2022
Mathematical and Statistical Methods for Actuarial Science and Finance, University of Salerno
Virtual presentation of working paper: A generalized precision matrix for t-Student distributions in portfolio optimization

LANGUAGES

German (native), **English** (proficiency), **Italian** (beginner)