

KAROLINE BAX, Ph.D.

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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	Massachusetts Institute of Technology, USA MIT Sloan School of Management Aggregate Confusion Project Prof. Roberto Rigobon, Ph.D. Florian Berg, Ph.D. Technical University of Munich (TUM), Germany School of Computation, Information and Technology Department of Mathematics Prof. Claudia Czado, Ph.D.	Sep. 2024 - Oct. 2024 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 Aug. 2017 – Sep. 2018

EBS University, Germany

Grade Quotient Overall: 95% - Grade 1.2 – 1st place in Academic Ranking

Thesis: *A Risk Factor Analysis of Exchange Traded Funds* Grade 1.1

Advisors: Prof. Sandra Paterlini, Ph.D. and Philipp Kremer, Ph.D.

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)