Ingo Marquart

ESMT Berlin / Berlin School of Economics PhD Fellow

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Research and Teaching Interests

I am interested in organizational economics and leadership, social networks, and deep learning. Additional interests include quantitative methods, microeconomics, game theory and econometrics.

Research

Semantic Decision Networks

Working Paper

with Matthew Bothner

Using Semantic Networks to Identify the Meanings of Leadership

Working Paper

with Matthew Bothner, Nghi Truong and Wonjae Lee

Text Analysis and Deep Learning: A Network Approach

Working Paper: https://arxiv.org/abs/2110.04151

What raises the social multiplier? Embedding versus decoupling as formal design choices shaping informal networks

Working Paper

with Matthew Bothner, Nghi Truong and Richard Haynes

RFCC: Random Forest Consensus Clustering for Regression and Classification

Working Paper: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=380782

with Ebru Koca Marquart

How to Manage 'Invisible Transitions' in Leadership

MIT Sloan Management Review, May 06, 2021

with Nora Grasselli and Gianluca Carnabuci

Work in Progress

Using Semantic Networks to Model NFL Coaches, with Matthew Bothner

Social Norms in Attention Networks, with Nghi Truong, Richard Haynes, Matthew Bothner

Transformers and training variance: How stable are BERT's predictions?, with Nghi Truong, Wonjae Lee, Matthew Bothner

Unsupervised Semantic Networks,

Graph Embedding On Hierarchical Manifolds,

External Talks

2021	**115th ASA Annual Meeting**,	*Online*
2021	**81th Annual meeting of the Academy of Management**,	*Online*
2021	**EURAM 2021 Online Conference**,	*Online*
2021	**37th EGOS Colloquium**,	*Online, Amsterdam*
2021	**Advancing Management Theory with Sports Data**,	*Online, Stockholm*
2020	**80th Annual meeting of the Academy of Management**,	*Online, Toronto*
2020	**Nagymaros 2020**,	*Online, Berlin*
2020	**Leveraging sports contexts to advance management research**,	*Online, Stockholm*
2019	**114th ASA Annual Meeting**,	*New York City, USA*
2019	**AOM Organizing, Modelling and Categorizing in the Digital Era Conference**,	*London, UK*
2019	**10th Theoretical Organization Models conference**,	*Frankfurt Germany*
2018	**78th Annual meeting of the Academy of Management**,	*Chicago, USA*
2017	**Econometrics of Panel Data and Network Analysis**,	*Berlin, Germany*

GRANTS

2019, 2020	**EY Digital Innovation Research Fund**, with Matthew Bothner and Nghi Truong.
2016	**ESMT PhD Fellowship**, ESMT Berlin & Berlin School of Economics
2014-2015	**TiQE scholarship (PhD track in quantitative economics)**, German-French University Association
2014-2015	**ERASMUS scholarship**, University of Bielefeld

TEACHING

2021	**Lecture on Natural Language Processing**, BSE Management Science PhD Class
2021	**Lecture on Games on Networks**, BSE Management Science PhD Class
2020	**Leading through Networks EMBA Class**, TA for Gianluca Carnabuci
2019	**Lecture on Natural Language Processing**, BSE Management Science PhD Class
2018	**Lecture on Games on Networks**, BSE Management Science PhD Class

OTHER WORK

Python Threshold Clustering

HTTPS://GITHUB.COM/INGOMARQUART/PYTHON-THRESHOLD-CLUSTERING

A Python Package for Community Detection with NetworkX

Python RFCC

HTTPS://GITHUB.COM/INGOMARQUART/RFCC

A Python Package implementing Random Forest Consensus Clustering

ESMT Leadership Transition Assistant

HTTPS://TRANSITIONS.ESMT.BERLIN/

AI tool for ESMT Executive Education

EDUCATION

2016-2021	**PhD Fellow**, ESMT Berlin, Berlin School of Economics
2014-2015	**Empirical and Theoretic Economics (M. Res.)**, Paris 1 Panthéon-Sorbonne, Paris School of Economics and École Normale Supérieure Paris-Saclay
2013-2014	**Quantitative Economics**, Bielefeld University
2009-2012	**Economics (B.Sc.)**, University of Münster