



## Franziska Julia Peter

Professor of Empirical Finance and Econometrics

Zeppelin University

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last updated Apr 2021

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- **personal**

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citizenship: German

languages: German (mother tongue), English (fluent), French (basic)

married, 2 children (\*2013,\*2019)

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- **academic positions**

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*since 01/2016* Professor of Empirical Finance and Econometrics at Zeppelin  
University Friedrichshafen

*05/2019-03/2020 Parental leave*

*04/2011-12/2015* Post-Doctoral researcher at the Chair of Statistics, Econometrics and  
Empirical Economics at the University of Tuebingen

*07/2013-04/2014 Parental leave*

*03/2007-04/2011* Doctoral researcher at the Chair of Statistics, Econometrics and  
Empirical Economics, University of Tuebingen

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- **education**

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*05/2016* Venia Legendi (Habilitation) in Financial Econometrics from the  
University of Tuebingen

*04/2011* PhD in Economics from the University of Tuebingen

*10/2001-02/2007* Diploma studies in International Economics, University of Tuebingen  
and University of Newcastle, UK

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- **publications**

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*The Determinants of Banks' AT1 CoCo Spreads* (with A. Kind and P. Oster), **European Financial Management**, accepted, 2021.

*Nothing but Noise? Price Discovery Across Cryptocurrency Markets* (with T. Dimpfl), **Journal of Financial Markets**, forthcoming. (Available online 2020, 100584), doi: 10.1016/j.finmar.2020.100584

*An Encyclopedia for Stock Markets? Wikipedia Searches and Stock Returns* (with S. Behrendt and D. Zimmermann), **International Review of Financial Analysis**, Vol. 72, 2020, 101563, doi: 10.1016/j.irfa.2020.101563

*The Fama-French Five-Factor Model plus Momentum: Evidence for the German Market* (with P. Dirks), **Schmalenbach Business Review**, Vol. 4, 2020, 661–684, doi: 10.1007/s41464-020-00105-y

*RTransferEntropy - Quantifying Information Flow between Different Time Series Using Effective Transfer Entropy* (with S. Behrendt, T. Dimpfl, and D. Zimmermann), **SoftwareX**, Vol. 10, 2019, doi: 10.1016/j.softx.2019.100265

*Group Transfer Entropy with an Application to Cryptocurrencies* (with T. Dimpfl), **Physica A: Statistical Mechanics and its Applications**, Vol. 516, 2019, doi: 10.1016/j.physa.2018.10.048

*Analyzing Volatility Transmission Using Transfer Entropy* (with T. Dimpfl), **Energy Economics**, Vol. 75, 2018, doi: 10.1016/j.eneco.2018.08.008

*Price Discovery in the Markets for Credit Risk: A Markov-Switching Approach* (with T. Dimpfl), **Studies in Nonlinear Dynamics and Econometrics**, Vol. 20, 2016, doi: 10.1515/snde-2015-0032

*The Impact of the Financial Crisis on Transatlantic Information Flows: An Intraday Analysis* (with T. Dimpfl), **Journal of International Financial Markets, Institutions & Money**, Vol. 31, 2014, doi:10.1016/j.intfin.2014.03.004

*Telltale Tails: A New Approach to Estimating Unique Market Information Shares* (with J. Grammig), **Journal of Financial and Quantitative Analysis**, Vol. 48, 2013, doi: 10.1017/S0022109013000215

*Who Moves First? An Intensity-Based Measure for Information Flows across Stock Exchanges* (with K. Kehrlé), **Journal of Banking and Finance**, Vol. 37, 2013, doi: 10.1016/j.jbankfin.2012.12.011

*Using Transfer Entropy to Measure Information Flows between Financial Markets* (with T. Dimpfl), **Studies in Nonlinear Dynamics and Econometrics**, Vol. 17, 2013 doi: 10.1515/snde-2012-0044

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- **papers under revision (Jan 2021)**

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*Tumbling Titans? The Changing Patterns of Price Discovery in the U.S. Equity Market* (with J. Grammig), Revise and Resubmit in **Journal of Empirical Finance**.

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- **working papers**

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*Analyzing Global Equity Market Co-movement During Crisis Periods* (with T. Heil and P. Prange), working paper.

*Are you a Zombie? Using Decision Trees to understand the Country-specific Determinants of Zombie Firms* (with A. De Martiis and T. Heil),  
SSRN: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3625473](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3625473)

*No Model No Cry? Intraday Model-Free Implied Volatility and the Leverage Effect for Individual Equities* (with M. Haas)  
SSRN: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3644295](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3644295)

*When Companies Don't Die: Zombie Firms and Monetary Policy* (with A. De Martiis), working paper.

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- **grants**

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2018-2020 Deutsche Forschungsgemeinschaft (DFG): *Measuring Intraday Volatility in Stock Markets*; <https://gepris.dfg.de/gepris/projekt/389577820>

2021-2022 DFG Project Extension

2018-2021 *Development of an E-portfolio for individualized learning and research in quantitative methods* funded by the Ministry of Science, Research and the Arts of the State of Baden-Württemberg (with Dr. Kilian Seng, Zeppelin University).

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- **conference presentations**

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Annual Meeting of the Southern Finance Association (SFA), 2020 in San Diego and virtual conference.

Annual Meeting of Deutsche Gesellschaft für Finanzwirtschaft (DGF), 2019 in Essen.

Financial Econometrics Conference: Market Microstructure, Limit Order Books and Derivative Markets, September 2018, in Lancaster, UK.

World Finance Conference (WFC), 2018 in Mauritius.

Annual Meeting of the Midwestern Finance Association (MFA), 2017 in Chicago.

Annual Meeting of the Swiss Society for Financial Market Research, 2016, in Zürich.

7th CDSA International Conference on Computational and Financial Econometrics (CFE), 2013, London.

Annual Meeting of the Midwestern Finance Association (MFA), 2012 in New Orleans.

Annual Meeting of the Econometric Society (ESEM), 2011 in Oslo.

Annual Meeting of the Society for Nonlinear Dynamics and Econometrics (SNDE), 2011 in Washington. Interdisciplinary workshop on Econometric and statistical modelling of multivariate time series, 2011 in Louvain-la-Neuve.

Annual Meeting of the European Finance Association (EFA) 2010 in Frankfurt.

Annual Meeting of the European Economic Association (EEA) 2010 in Glasgow.

4th CSDA International Conference on Computational and Financial Econometrics (CFE), 2010 in London.

Annual Meeting of Deutsche Gesellschaft für Finanzwirtschaft (DGF), 2010 in Hamburg.

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- **teaching**

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**Undergraduate Level:**

Financial Market Microstructure (with T. Dimpfl, University of Tuebingen, SSe 2013/2015 )

Machine Learning/Statistical Learning with Python (Zeppelin University, Fall 2020)

Applied Time Series Analysis in Finance (Zeppelin University, Spring 2017/2018/2020)

Econometrics (Zeppelin University, Fall 2015, 2018,2019, 2020 Spring 2018/ 2020)

Quantitative Risk Management (Zeppelin University Fall 2017)

Methodenwerkstatt – Counselling in Statistics (Zeppelin University 2016-2019, each semester since 2016)

Computational Statistics with SAS (University Tuebingen, SSe 2010, 2013)

Bachelorcolloquium in Empirical Finance and Econometrics (Zeppelin University, each semester since 2016)

### **Graduate Level:**

Capital Market Theory (with M. Tyrell Zeppelin University, Fall 2016,2017)

Current Issues in Finance: Financial Market Design (Zeppelin University, Fall 2016)

Current Issues in Finance: Empirical Market Microstructures (Zeppelin University, Spring 2017)

Mathematics for Business Administration (Zeppelin University, Fall 2020)

Econometrics (Zeppelin University Fall 2016,2017,2018 Spring 2017, 2018, 2020 )

Mastercolloquium in Empirical Finance and Econometrics (Zeppelin University, each semester since 2016 )

### **PhD Level:**

Advanced Time Series Analysis (Zeppelin University, Fall 2017)

### **Other**

Lecturer at the European Federation of Financial Analysts Societies (EFFAS)  
(in the area of Portfolio Management)

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### **▪ PhD Students**

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2019 Dr. Angela DeMartii (Title: Three Essays on the Financial Distress of Firms and Banks)

2020 Dr. Simon Behrendt (Title: Investigating New Sources of Information and Non-linearities in Financial Markets)

202x Philippe Oster (Thesis submitted, Title: Three Essays on Contingent Convertible Bonds)

202x Philipp Dirkx (Thesis submitted, Title: Three Essays on Asset Pricing and Factor Investing)

202x Philipp Prange (Title: Risk and Uncertainty in Financial Markets)

202x Thomas Heil (Title: Machine Learning in Financial Market Research)

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### **▪ awards**

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*2012* Award for outstanding PhD thesis of the Economics Department, University of Tuebingen

*2008* Norbert-Kloten-Preis für Angewandte Wirtschaftsforschung, 2008

*2007* Price of the Emma and Eugen Müller Foundation

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- **research areas**

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Price Discovery in International Financial Markets

Machine Learning Applications in Empirical Finance

Cryptocurrencies and Cryptocurrency Market Designs

Microstructure Noise and Market Design

Intraday Model-Free Implied Volatility Measures

Contingent Convertible Bonds

Micro-/ and Macroeconomic Perspectives of Zombie Companies

Econophysics

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