Curriculum Vitae – Fall 2022

Family name: Parfenov
Given name: Daniil
Gender: male
Date of birth: 24/06/1998
Citizenship: Russian Federation
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Qualifications

Bocconi University   **Milan, Italy**
Ph.D. in Finance   *September 2022 – ongoing*
Postgraduate studies
Key Research Areas:
Asset-pricing, financial econometrics and machine learning,
blockchain applications in finance,
thermodynamics in macro-growth models

Konstanz University   **Konstanz, Germany**
MSc in International Financial Economics   *October 2020 – August 2022*
Specialization: International Finance and Econometrics
Graduate studies
Thesis: "Network Econometrics and Linkages in Financial Markets"
Key subjects: Advanced Econometrics, Machine Learning, Financial Econometrics,
Time Series Analysis, Portfolio Management
Average grade: 1.7 *(German System)*

Moscow State Institute of International Relations (University)   **Moscow, Russia**
Bachelor's degree in Applied Economics   *June 2016 - June 2020*
Specialization: International Commerce (BA)
Undergraduate studies
Key subjects: applied economics, mathematics,
econometrics, accounting, Spanish
GPA: 97.76/100 (95th percentile)
Thesis: "Pricing anomalies in cryptocurrencies trading"

Awards and Scholarships

Ingvar Kamprad scholarship
June-August 2019

MGIMO Dean's scholarship
2017-2020

Research Interests

Asset-pricing, macro-finance, financial econometric, machine learning, macro-growth models

Publications

Parfenov. D., "Efficiency linkages between cryptocurrencies, equities and commodities at different time frames" (2022), Procedia Computer Science, Volume 199, Pages 182-189, ISSN 1877-0509
https://doi.org/10.1016/j.procs.2022.01.023

Working papers

"Credit risk linkages in global banking: evidence from the NETS algorithm" (2021)
Joint work with Mikhail Stolbov
Currently under Review in Empirical Economics

ABSTRACT:
We estimate the evolution of credit risk linkages in an international banking network of 46 advanced and emerging market economies between January 2000 and December 2019. In our study, credit risk is proxied with the aggregate probability of default (PD) in the banking sector, and cross-country linkages are described by two types of networks: one representing predictive Granger relationships between the PD measures, and the other representing contemporaneous partial correlations. During the Global Financial Crisis and its aftermath the density of the networks appears the highest, while experiencing a substantial decline in the post-crisis period triggered by massive deleveraging and the implementation of prudential measures. Throughout the whole observation period the causal network exhibits the small-world pattern which tends to fuel risk propagation within the network, and the increasing degree of dissortativity which exerts a countervailing effect. On the country level, we document the centrality of the major Asian economies' banking sectors and France, whereas the role of the USA, the UK and Germany appears moderate, which contrasts with the extant literature. Overall, from the policymaking perspective, our findings indicate that credit risk linkages in the international banking networks can notably differ from the relationships derived from cross-country bank claims.

Work in Progress

Network perspective on cryptocurrencies and traditional assets"   *May 2022 – ongoing*

"Exploring Potential of clustering for portfolio management"   *March 2022 – ongoing*

"Cross-validating Momentum Strategy"   *April 2021 – ongoing*

Studies abroad

Linnaeus University   **Kalmar, Sweden**

Summer Semester "Entrepreneurship and innovation in a Swedish context"   *Summer 2019*

Key subjects: Financial modelling, Canvas business modelling

Work Experience

July 2022 – ongoing   *Part-time member of cryptocurrency research lab at Bocconi University*

June 2022 – ongoing   *Part-time member at the Laboratory "New Trends in International Finance" at Moscow State Institute of International Relations*

September 2021 – August 2022   *Research and Teaching assistant at the Chair of Statistics and Econometrics at the University of Konstanz*

February 2020 – October 2020   *Full-time Intern, Deal Advisory, M&A team at KPMG Moscow*

June 2017 – September 2017   *Full-time sales manager at LLC "RUTEX"*

Language Skills

English – C1: TOEFL 117/120 (2021), IELTS 8.0/9.0 (2020)
Spanish – C1: accreditation at the MGIMO university under Russian ministry of Foreign Affairs, primary language of studies.
Russian – native

IT Skills

- *Word, Excel, Power Point (excellent)*
- *Python, R, Matlab (excellent)*

Other Activities

Short talk at ITQM 2020&2021 (July 9-11, 2021)
Short talk Quantitative Finance Workshop 2020 (January 29-21, 2020)
MGIMO Business Incubator (October 2016 – January 2017)