Project Title
Empirical Finance: Methodology and Application

Project Abstract
This is a research project articulated around the goal of measuring financial stability and market quality in contemporary market structures. The project is structured in several subthemes, each containing both econometric methodology and empirical application. Building on ongoing research, we plan to develop methods for measuring liquidity, volatility, and efficiency in both normal times and crisis times; and to evaluate the effects of market structure changes on market performance; to develop methodology that takes full account of the large datasets now available and innovate on the best work in modern statistics, relevant to address the economic and financial questions arising in the design and management of assets markets.

Activities and Achievement
We have hired two postdocs, Marco Geraci and Merrick Li whose research programmes are successful
My PhD student Katjia Smetanina was hired as Assistant Professor at Booth School of Business, Chicago
My PhD student Jeroen Dalderop was hired as Assistant Professor at the Economics Department of the University of Notre Dame
We have several excellent PhD students in progress working on empirical finance topics. We also host a number of visitors from China and Germany and US for varying lengths of stay
We have ran several high profile conferences.
October 2018, market microstructure and liquidity (with Albert Kyle)
May 2018 Big data in Financial Markets (Peter Phillips and Hashem Pesaran, Wolfgang Haerdle and Greg Connor)
We are running a conference in May 2019 on Big Data

Dissemination
Our work has been presented at Bank of England conferences to do with quantitative easing
We will continue to engage with the Bank of England and the FCA

Outputs
Oliver linton has published this book
also these papers

Auld, T. and Linton, O. The Behaviour of Betting and Currency Markets on the Night of the...
Dong, C. and Linton, O. Additive nonparametric models with time variable and both stationary and nonstationary regressors, (2018) Journal of Econometrics

Also these Bank of England Working papers


Alexey Onatskiy has published these papers on big data


He has these working papers which are all going to be published soon
Onatski, A. and Wang, C. Extreme canonical correlations and high-dimensional cointegration analysis, (2018) CWPE1805
Onatski, A. Asymptotics of the principal components estimator of large factor models with weak factors and i.i.d. Gaussian noise., (2018) CWPE1808

Marco Geraci has published a paper at the Journal of Quantitative Financial Analysis (2018) and the Journal of Financial Stability (2018) and has several working papers. His main paper is about financial stability modelling, but he is now working on short selling
Merrick Li has a paper that is being revised for the Journal of Econometrics, likely published soon. He also has a CWE working paper with me, CWE1908. His main work is about estimating microstructure features from high frequency data

Major Difficulties and Any Other Issues
none

Web Links
http://www.econ.cam.ac.uk/people/faculty/ao319

https://www.inet.econ.cam.ac.uk/our-events/Events-theme/events-by-empirical

Additional Information
Thank you for the support, it has been very helpful to push forward our research