



Mirco Rubin, PhD

Associate Professor – Speciality: Econometrics

Phone : +33 (0)4 93 18 99 66

Fax : +33 (0)4 93 83 08 10

E-mail : mirco.rubin@edhec.edu

Mirco Rubin holds a Bachelor and two Master Degrees in Economics and Finance from Ca' Foscari University of Venice, Italy and a Doctorate in Finance and Economics from the Swiss Finance Institute and Università della Svizzera Italiana in Lugano, Switzerland. Before joining EDHEC, Mirco was a professor at the University of Bristol, UK. Mirco's research interests are at the intersection of Econometrics, Financial Economics, Macroeconomics, and Asset Allocation. He is specialized in the development of new econometric methodologies for large and mixed-frequency dataset. In his recent papers he employs new latent factor models to: i) study of comovement among financial and macroeconomic data observed at different frequencies, ii) develop asset allocation strategies based on the expected rank, or position, of the portfolio value, iii) forecast the European GDP exploiting higher frequency predictors and stochastic volatility.

EDUCATION

09/09-03/16	PhD in Finance and Economics Swiss Finance Institute and University of Lugano (USI), Switzerland
03/16-08/16	Post-doctoral researcher Swiss Finance Institute and University of Lugano (USI), Switzerland
09/08-06/09	Advanced Master in Economics and Finance (completed with honors) Ca' Foscari University, Venice, Italy
09/06-11/08	M.Sc. in Economics and Finance, Summa cum laude (110/110) Ca' Foscari University, Venice, Italy
09/03-08/06	B.Sc. in Economics and Finance, Summa cum laude (110/110) Ca' Foscari University, Venice, Italy
09/07-12/07	Exchange Student (Erasmus Prog.) at Econometrics Dept. Erasmus University of Rotterdam, Netherlands

ACADEMIC POSITIONS

- 07/19- **EDHEC Business School - Nice, France**
Associate Professor of Econometrics
- 07/16-06/19 **University of Bristol, United Kingdom, Dept. of Accounting and Finance**
Assistant Professor in Finance

PUBLICATIONS

Mixed Frequency Macro-Finance Factor Models: Theory and Applications, with E. Andreou, P. Gagliardini and E. Ghysels, *Journal of Financial Econometrics* (forthcoming)

Positional Portfolio Management, with P. Gagliardini and C. Gouriéroux, *Journal of Financial Econometrics* (forthcoming)

Inference in Group Factor Models with an Application to Mixed Frequency Data, with E. Andreou, P. Gagliardini and E. Ghysels, *Econometrica* (2019), Vol. 87, Issue 4, p. 1267 - 1305

Indirect Inference Estimation of Mixed Frequency Stochastic Volatility State Space Models using MIDAS Regressions and ARCH Models, with P. Gagliardini and E. Ghysels, *Journal of Financial Econometrics* (2017), Vol. 15, Issue 4, p. 509 - 560 (lead article)

Working Papers

Equity Tail Risk in the Treasury Bond Market (2020), with D. Ruzzi

Measuring Systematic Correlation with Approximate Threshold Group-Factor Models (2020) with D. Massacci, and D. Ruzzi

Common Factors and Regime Shifts in Stock and Bond Comovement (2020), with D. Massacci, and D. Ruzzi

Work in Progress

- *You cannot beat slope* (preliminary title, 2020) with R. Rebonato and D. Ruzzi
- *On the predictive Content of Big Data and Small Model* (2018) with X. An, P. Gagliardini and E. Ghysels.
- *Mixed Frequency Large-Scale Factor Models: Are Main Street and Wall Street Driven by the Same Factors?* (2018) with E. Andreou, P. Gagliardini and E. Ghysels.

TEACHING

- 09/20- Financial Econometrics with R (M.Sc., ~ 300 stud.): course director
EDHEC Business School – Nice, France

- 09/19-08/20 Financial Econometrics (M.Sc., ~ 300 stud.): course director
EDHEC Business School - Nice, France
- 09/17-06/19 Financial Markets (3rd year B.Sc., ~ 200 stud.): course director and lecturer
University of Bristol, UK
- 09/16-01/17 Financial Markets (3rd year B.Sc., ~ 200 stud.): exercises and tutorials
University of Bristol, UK
- 09/11-08/16 Econometrics (3rd year B.Sc.): teaching assistant Sep 2011 - Aug 2016
University of Lugano (USI), Switzerland
- 09/11-08/16 Quantitative Methods for Economics (3rd year B.Sc.): teaching assistant
University of Lugano (USI), Switzerland
- 09/11-08/16 Quantitative Methods for Finance (3rd year B.Sc.): teaching assistant
University of Lugano (USI), Switzerland
- 09/10-08/11 Statistics II (2nd year B.Sc.): teaching assistant
University of Lugano (USI), Switzerland
- 2008-2009 Econometrics, (B.Sc., M.Sc.): teaching assistant 2008 – 2009
Ca' Foscari University, Venice, Italy

REFEREEING ACTIVITIES

Academic Journals: Journal of Econometrics, Journal of Business & Economic Statistics, Journal of Applied Econometrics, Journal of Financial Econometrics, Journal of Journal of Money Credit and Banking, Journal of Empirical Finance, Journal of Banking and Finance, International Journal of Forecasting, Stat

Funding Agencies: National Research Grants Council of Hong Kong

Conferences: Royal Economic Society PhD Conference (UK Job market) 2016, 2017, 2018

Ph.D. Dissertations “upgrade”: Dario Ruzzi (Univ. of Bristol), Yang Yue (Univ. of Bristol)

AWARDS

- 2020-2023 Luxembourg National Research Fund (FNR), 699,000 Euros grant for project “Life Cycle Assessment of Green Funds” (one of four investigators and co-supervisor of funded Ph.D.)
- 2009 Swiss Finance Institute Ph.D. scholarship
- 2009 'Riccardo Faini' Award for best Master thesis, Fac. of Economics, Ca' Foscari University

2008 IMEF Master tuition fee reduction award for “worthiest students”, Ca' Foscari University

2004-2008 Tuition fee reimbursement for average exams grade > 27/30, Ca' Foscari University

INVITED SEMINARS AND CONFERENCE PRESENTATIONS

2020

World Meeting of the Econometric Society (Bocconi), *Bank of Italy, *University of Naples - Federico II, “2nd Italian Workshop of Econometrics and Empirical Economics” at University Ca' Foscari of Venice

2019

International Association for Applied Econometrics Annual Conference, University of Cyprus; *NBER-NSF Time Series Conference, Vienna; Big Data and Economic Forecasting Conference, Joint Research Centre - European Commission, Ispra (Italy); *Cambridge-INET Conference on Score-driven and nonlinear time series models, University of Cambridge; *Fulcrum Asset Management, London

2018

European Commission, Joint Research Centre, Ispra, Italy; EDHEC – Nice

2017

NBER Summer Institute; *University of Pennsylvania; *University of Surrey; *University of Bern; *Econometric Study Group conference, University of Bristol

2016

European Conference of the Econometrics Community (EC)2: Big Data, Toulouse School of Economics; International Association for Applied Econometrics Annual Conference, University of Milan-Bicocca; Swiss Economist Abroad conference, University of Bern; University of Cambridge; University of Amsterdam; Rutgers University; University of Bristol; University of Alberta; *Econometrics of high-dimensional risk networks conference, University of Chicago

2015

11th World Congress of the Econometric Society, Montreal; NBER-NSF Time Series Conference, Vienna; International Panel Data annual conference, Budapest; Society for Financial Econometrics (SoFiE) annual conference Aarhus; 8th Financial Risks International Forum, Paris; Econometric Methods for Bus. Cycle Analysis, Forecasting and Policy conf., Norges Bank; Swiss Doctoral Workshop in Finance, Gerzensee; *2nd Workshop on High-Dimensional Time Series in Macroeconomics and Finance, Vienna; *Swiss National Bank, Bern

2014

European Summer Meeting of the Econometric Society (ESEM), Toulouse; Annual Conference of the European Finance Association (EFA), Lugano; 8th ECB Forecasting

Workshop, Frankfurt; 7th Financial Risks International Forum, Paris; *Annual SoFie Conference, Toronto; * Journées de Statistique de la Société Française de Statistique; *Indirect Estimation Methods in Finance and Economics Conference, Konstanz; *University of Toronto; *Ryerson University

2013

European Summer Meeting of the Econometric Society (ESEM) Gothenburg; European Conference of the Econometrics Community (EC)2 : Mixed frequency Data, Nicosia; Swiss Doctoral Workshop in Finance, Gerzensee; *Large-Scale Factor Models in Finance SoFie Conference, Lugano

INVITED DISCUSSIONS

2015

8th Financial Risks International Forum, Paris: Institutional Investors and the Dependence Structure of Asset Return; CDX and iTraxx and Their Relation to the Systemically Important Financial Institutions; Swiss Doctoral Workshop in Finance, Gerzensee: Asset Returns Density Forecasting with MCD Algorithms

2010

CREDIT Conference, Venice: Macro Stress Testing of Credit Risk Focused on the Tails

ACADEMIC SERVICE

10/18-06/19 Ph.D. Admissions, Dept. of Accounting and Finance, University of Bristol

09/17-06/19 Coordinator and Initiator of Erasmus Exchange programme between University of Bristol and Univ. of Venice

OTHER PROFESSIONAL AND ACADEMIC EXPERIENCE

09/04-01/05 R.a.s. S.p.a. - Allianz Group, Padova, Italy
National abilitation as “Promotore Finanziario” (Financial broker) from CONSOB, the Italian Security and Exchange Commission. Written and oral public examinations.

01/08-06/09 Ca' Foscari University and GRETA Associati, Venice, Italy
Research assistant, development of the empirical part of the papers:
Dynamic risk exposures in hedge funds, *Comp. Stat. & Data Analysis*, 56(11), 3517-3532, authors: M. Billio, M. Getmansky, L. Pelizzon; Non-Parametric Analysis of Hedge Fund Returns: New Insights from High Frequency Data, *J. of Alternative Investments*, 12(1), 21-38, authors: M. Billio, M. Getmansky, L. Pelizzon

FURTHER EDUCATION

06/09-06/11 Interuniversity Centre for Econometrics (CIDE), Univ. of Bologna, Italy
Econometrics courses (advanced Ph.D. level)

SKILLS

Programming Matlab, R, Gauss, Python, Stata, Eviews, Mathematica

Languages Italian: native, English: fluent