RODRIGO HIZMERI

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EDUCATION

Lancaster University, Department of Economics, Lancaster, UK
Ph.D. in Financial Econometrics 2017 – 2021 (Expected)
Affiliations: **Centre for Financial Econometrics, Asset Markets and Macroeconomic Policy & GOLCER**

Lancaster University, Department of Economics, Finance, and Maths & Stats, Lancaster, UK
M.Sc. in Quantitative Finance 2014 – 2015

Neoma Business School, Department of Finance, Rouen, France
Master Grandes Ecole (Major: Financial Markets) 2013 – 2014

University of California Irvine, Irvine, CA, USA
Exchange Student (Economics and Statistics) Jan – Apr 2012

AREAS OF SPECIALIZATION

Financial Econometrics, Asset Price Discontinuities, Market Microstructure, Computational Statistics and Econometrics

ACADEMIC APPOINTMENTS

Lancaster University, Department of Economics, Lancaster, UK
Associate Lecturer 2017 – Present
Andres Bello, School of Business Engineering, Concepcion, Chile
Teaching Assistant 2011 – 2013

SUBMITTED FOR PUBLICATION

1. **"The Contribution of Jump Signs and Activity to Forecasting Stock Return Volatility"**. (Joint work with Marwan Izzeldin, Anthony Murphy and Mike G. Tsionas). ► Link to paper
2. **"Forecasting the Realized Variance in the Presence of Intraday Periodicity"**. (Joint work with Ana-Maria H. Dumitru, and Marwan Izzeldin). *Revise and Resubmit – Journal of Financial Econometrics.* ► Link to paper
3. **"A Simple Model Correction for Modeling and Forecasting (Un)Reliable Volatility "**. (Joint work with Marwan Izzeldin and Mike Tsionas). ► Link to paper

4. **“Evaluating the Underlying Components of High Frequency Financial Data: Finite Sample Performance and Microstructure Noise Effects”**. (Joint work with Marwan Izzeldin). ► Link to paper

WORKING PAPERS

1. **“A Generalized Heterogeneous Autoregressive Model using the Market Index”**. (Joint work with Marwan Izzeldin, Ingmar Nolte and Vasilis Pappas). ► Link to paper

2. **“Bolstering the Modelling and Forecasting of Realized Covariance Matrices using (Directional) Common Jumps”**. (Joint work with Marwan Izzeldin and Ingmar Nolte).

WORK IN PROGRESS

1. **“The Good and the Bad Elements of Realized Covariance and Correlation Matrices ”**. (Joint work with Marwan Izzeldin).

2. **“Which Trades Matter and When: Evidence from High Frequency Data”**. (Joint work with Ana-Maria H. Dumitru, Marwan Izzeldin and Peiran Shi)

3. **“Correcting the Errors to Improve the modelling and forecasting of Realized Covariance”**.

4. **“The Impact of Calendar and Business Time Sampling in Forecasting Covariance Matrices and Portfolio Allocation”**. (Joint with Marwan Izzeldin and Anthony Murphy).

5. **“Modelling High Frequency Returns and Volatility using Bayesian Methods.”**. (Joint work with Marwan Izzeldin and Mike Tsionas).

6. **“A Tale of Two-Risks: Idiosyncratic vs Systematic Risk”.** (Joint with Marwan Izzeldin).

7. **“A Tale of Two-Crises: Understanding the Role of the Fed in the Global Financial Crisis and Covid-19”.** (Joint with Marwan Izzeldin and Mirela Miescu).

8. **“A Drift-Bias Correction for Realized Betas”.** (Joint with Marwan Izzeldin and Malvina Marchese).

CONFERENCE PRESENTATIONS

2021

2nd Frontiers of Factor Investing Conference (Lancaster, U.K. (scheduled))

2020

14th International Conference on Computational and Financial Econometrics (Virtual Conference).
Joint CMAF-EMP Research Workshop (Lancaster, U.K.)

2019

13th International Conference on Computational and Financial Econometrics (London)
34th Annual Congress of the European Economic Association (Manchester, U.K.)
72 European Meeting of the Econometric Society (Manchester, U.K.)
Africa Meeting of the Econometric Society (Rabat, Morocco)
Konstanz-Lancaster-Manchester-Warwick Joint Workshop on Quantitative Finance and Econometrics (Manchester, U.K.)
6th Annual Conference of the International Association for Applied Econometrics (Nicosia, Cyprus)
Asia Meeting of the Econometric Society (Xiamen, China)
Infiniti Conference (Glasgow, U.K.)
2nd International Conference on Quantitative Finance and Financial Econometrics (Marseille, France)
NWSSDTP Economics Conference (Lancaster, U.K.)
Economic Seminar Series Presentation at the Granger Centre for Time Series Econometrics (Nottingham, U.K.)

2018

1st International Conference on "Quantitative Finance and Financial Econometrics", sponsored by SoFiE, (Marseille, France)
NWSSDTP Economics Conference, (Liverpool, U.K.)
Frontier Factor Investing Conference (Lancaster, U.K.)
Lancaster-Warwick Workshop on Financial Econometrics and Asset Pricing (Warwick, U.K.)
7th Econometric Workshop at Liverpool University (Liverpool, U.K.)

2017

11th International Conference on Computational and Financial Econometrics (London, U.K.)
9th Annual Volatility Institute Conference (New York)

TEACHING EXPERIENCE

Associate Lecturer, Department of Economics, Lancaster University

Current Teaching:

- **Postgraduate:** Applied Econometrics (ECON 403)
- **Undergraduate**, Mathematical Economics (ECON 211), Introduction to Econometrics (ECON 212).

Previous Teaching (Michaelmas Term 2017– Summer Term 2020):

- **Postgraduate:** Financial Economics (ECON 514), Market Risk Forecasting and Control (ECON 413), Econometrics (ECON 503), Applied Econometrics (ECON 403).
- **Undergraduate:** Mathematical Economics (ECON 211), Quantitative Methods for Economics (ECON 103).

Average teaching evaluation 4.35/5.

Teaching Assistant, School of Business Engineering, Andres Bello University

FMM 129, Calculus II	March – June 2011
CEA 286, Financial Markets	Aug – Dec 2012
CEA 274, Project Evaluation	March – June 2013

GRANTS AND AWARDS

ESRC Ph.D. Scholarship, AQM Scheme.	2017 – 2021
LUMS Conference Grants.	2018 – 2019
Research Training Support Grant, ESRC.	2017, 2018, 2019
Department of Economic Conference Grants.	2017, 2018
LUMS M.Sc. Scholarship.	2014 – 2015
Neoma BS Full Tuition Scholarship.	2013 – 2014

PROFESSIONAL ACTIVITIES

Referee

Quantitative Finance, Journal of Financial Stability, Economic Modelling.

Discussant

Infiniti Conference 2019
Konstanz-Lancaster-Manchester-Warwick Joint Workshop on Quantitative Finance and Econometrics 2019
Lancaster-Warwick Workshop on Financial Econometrics and Asset Pricing 2018

Consulting Engagement / Executive Education

2020

4th High-frequency Financial Econometrics using Matlab – 2-day course (Virtual Course)

2019

3rd High-frequency Financial Econometrics using Matlab – 2-day course (Work Foundation, London) Quantitative Methods and Econometrics (Lancaster, U.K.)
Time Series using R (Lancaster, U.K.)
Typesetting using LaTeX (Lancaster, U.K.)

2018

2nd High-Frequency Financial Econometrics using Matlab – 2-day course (Work Foundation, London)
1st High-Frequency Financial Econometrics using Matlab – 2-day course (Lancaster, U.K.)
Quantitative Methods (Lancaster, U.K.)
Quantitative Methods for Economics and Econometrics (Abuja, Nigeria)
Typesetting using LaTeX(Lancaster, U.K.)

SUMMER SCHOOLS

- Quantitative Finance and Financial Econometrics, Aix-Marseille School of Economics, Marseille, May 28 – June, 2018.

  - *Forecasting Risk with Intraday Data and Forecasting Comparison* (Speakers: **Sebastien Laurent and Andrew Patton**).

- Society of Financial Econometrics (SoFiE) – Summer School, Kellogg School of Management at Northwestern University, Evanston, Il, July – 2017
  - *The Econometrics of Derivatives Markets* (Speakers: **Torben Andersen, Viktor Todorov and Nicola Fusari**).

SKILLS AND OTHER INFORMATION

- *Programming Languages:* MATLAB, R, GAUSS, Ox-Metrics, Python, C++, STATA, Eviews, SPSS, VBA.
- *Databases:* TICKDATA, TAQ Databse, Datastream, CapitalIQ, WRDS
- *Language:* English (Fluent), Spanish (Native), French (Elementary)

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