Ivan Medovikov

Brock University
Department of Economics
Plaza Building
1812 Sir Isaac Brock Way, ON L2S 3A1

Phone: (905) 688-5550 x6148
Fax: (905) 688-6388
Email: imedovikov@brocku.ca
Homepage: http://www.medovikov.me/

Personal

Born on November 14, 1984.

Canadian citizen.

Areas of Concentration

Financial econometrics, copulas, empirical finance.

Academic Positions

Assistant Professor, Department of Economics, Brock University. July 1, 2013 - present.

Lecturer, Department of Economics Brock University. July 1, 2012 - June 30, 2013.

Other Affiliations

Honorary Associate Professor in Discipline of Business Analytics, University of Sydney Business School. August 1, 2016 - September 1, 2016.

Research Assistant, Department of Monetary and Financial Analysis, Bank of Canada. May 1, 2008 - August 30, 2008.

Consultant, Spartan Fund Management, Inc. June 2014 - present.

Education

Ph.D. in Economics, Western University, June 2013.

Doctoral dissertation: "News, copulas, and independence."

Supervisor: Dr. John L. Knight.

M.A. in Economics, Western University, June 2008.

Hons. B.A. in Economics, Western University, June 2007.

Publications

Peer-Reviewed Journal Articles

Medovikov, I., & Prokhorov, A. (2017). A New Measure of Vector Dependence, with Applications to Financial Risk and Contagion. *Journal of Financial Econometrics*, 15(3), p. 474–503.

Medovikov, I. (2016). When does the stock market listen to economic news? New evidence from copulas and news wires. *Journal of Banking & Finance*, 65, p. 27–40.

Medovikov, I. (2016). Non-parametric weighted tests for independence based on empirical copula process. *Journal of Statistical Computation and Simulation*, 86(1), 105–121.

Medovikov, I. (2014). Can analysts predict rallies better than crashes? *Finance Research Letters*, 11(4), 319–325.

Policy Articles

Keshishbanoosy, R., St-Amant, P., Ball, D., Medovikov, I. (2008). A Money and Credit Real-Time Database for Canada. *Bank of Canada Review* (Summer), 55–64.

Articles Under Review

Medovikov, I. (2017), Can analysts predict volatility?

Work in Progress

Medovikov, I., (2017), Measures of systemic risk for Canada.

Medovikov, I., Oestreich, M. (2017), Returns on Carbon: A Copula-Based Assessment of Stock Market Reaction to Polluters.

Medovikov, I., (2017), Copula-based out-of-sample forecasts.

Medovikov, I., (2017), Machine learning-driven analysis of CEO emotional states.

Conference Presentations

10th International Conference on Computational and Financial Econometrics.

London, UK. December 2017.

Presenter: Can analysts predict volatility?

Canadian Economics Association Annual Meetings.

Ottawa, ON. June 2016.

Presenter: Can analysts predict volatility?

9th International Conference on Computational and Financial Econometrics.

London, UK. December 2016.

Presenter: A new measure of vector dependence, with an application to financial contagion.

32nd Meeting of the Canadian Econometrics Study Group.

Guelph, ON. September 2015.

Presenter: A New Measure of Vector Dependence, with an Application to Financial Contagion.

Canadian Economics Association Annual Meetings.

Toronto, ON. May 2015.

Presenter: When does the stock market listen to economic news? New evidence from copulas and news wires.

Discussant: Financial modelling with censored/truncated distributions, by Lin, Xiao Yan (University of Waterloo).

Session chair: CESG - Financial Econometrics.

Canadian Economics Association Annual Meetings.

Vancouver, BC. May 2014.

Presenter: Modeling Asymmetric Dependence Between Analyst Recommendations and Security Returns.

Discussant: Volatility forecasting: combinations of realized volatility measures and forecasting models by Xiao, Linlan (Central Michigan University).

Session chair: CESG - Forecasting.

Canadian Economics Association Annual Meetings.

Montreal, QC. May 2013.

Presenter: The Serial Dependence Function: Omnibus measure of serial dependence based on the empirical copula process.

Midwest Econometrics Group Meetings.

Chicago, IL. October 2011.

Presenter: A test for independence in econometric models.

The 28$^{\text{th}}$ Annual Meeting of the Canadian Econometrics Study Group.

Toronto, ON. October 2011.

Presenter: A test for independence in econometric models.

Canadian Economics Association Annual Meeting.

Ottawa, ON. June 2011.

Presenter: Non-Parametric Copula-Based Test For Independene Based On Empirical Copula Process.

Discussant: A new, exact, distribution-function-based goodness-of-fit test for copulas by Wanling Huang (McGill University).

Midwest Econometrics Group Meetings.

St. Louis, MO. November 2010.

Presenter: A test for independence of random vectors based on weighted empirical copula process.

Midwest Econometrics Group Meetings.

Quebec City, QC. May 2010.

Presenter: Macroeconomic news index: analyzing the effect of macroeconomic news on financial markets.

Invited Talks

University of Sydney Business School Seminar Series.

Sydney, AU. August 2016.

Topic: Can analysts predict volatility?

High Street Asset Management.

Toronto, ON. April 2016.

Topic: When does the stock market listen to economic news? New evidence from copulas and news wires.

Ryerson University Department of Economics Seminar Series.

Toronto, ON. October 2013.

Topic: Copula-based measures of vector dependence.

Western University Statistics and Data Center Seminar Series.

London, ON. April 2013.

Topic: Topics in applied time-series analysis.

Western University Statistics and Data Center Seminar Series.

London, ON. October 2011.

Topic: Introduction to time series analysis.

Other Presentations

Ryerson Doctoral Workshop on Applied Econometrics.

Toronto, ON. May 2015.

Discussant: Financial Modelling with Censored / Truncated Distributions, by Xiao Yan Lin (University of Waterloo).

Brock University Research Celebration.

St. Catharines, ON. March 2014.

Topic: On Predictive Value of Analyst Recommendations.

Brock University Economics Research Seminar.

St. Catharines, ON. October 2013.

Topic: Non-Parametric Measures of Vector Dependence.

Grants, Scholarships & Fellowships

Council for Research in Social Sciences Research Grant.

Brock University. Grants 2012, 2014, 2014, 2017.

Brock SSHRC Institutional Grants.

Brock University. 2016.

Honorary Associate Professorship in Discipline of Business Analytics.

University of Sydney Business School. 2016.

Ontario Graduate Scholarship.

Western University. 2011.

Faculty of Social Science Alumni Association Award.

Western University. 2011.

Faculty of Social Science Research Fellowship.

Western University. 2011.

Western Graduate Scholarship.

Western University. 2007.

Awards

Faculty of Social Science Excellence in Teaching Award.

Brock University. 2016. Once in career, faculty-wide award.

Other Distinctions

Summer Paper Prize (Nomination).

Western University. 2009.

Alumni Essay Prize (Nomination).

Western University. 2006.

Refereeing

Statistical Papers

International Review of Economics and Finance

Econometrics and Statistics

Emerging Markets Finance and Trade

Finance Research Letters

Journal of Statistical Computation and Simulation

Journal of Business Research

Journal of Economic Asymmetries

Quarterly Review of Economics and Finance

Service to University Community

Service to Department of Economics, Brock University.

Graduate committee. Served in 2013, 2014, 2016.

Research seminar committee. Served in 2012, 2013, 2015, 2016.

Computing committee. Served in 2013, 2015, 2017.

Calendar / curriculum committee. Served in 2017.

Service to Faculty of Social Science, Brock University.

Council for Research in Social Science Grant Adjudication Committee. Serving three-year term that ends in 2018.

Service to Brock University Faculty Association.

Trustee, retirees member benefits plan. 2017.

Service on University Committees.

Voting member, Brock University Pension Committee. Three-year term that ends in 2019.

Teaching Experience

Courses Taught at Brock University.

ECON 3P90 - Intermediate Econometrics. Fall/Winter 2012 through to Fall/Winter 2017.

ECON 2P90 - Introduction to Econometrics. Fall/Winter 2012.

ECON 4F10 - Applied Research Methods. Fall/Winter 2016, 2017.

ECON 5P04 - Graduate Applied Research Methods. Fall/Winter 2015, 2016.

Courses Taught at Western University.

International Finance. Summer 2010.

Intermediate Macroeconomics. Summer 2009.

Student Supervision

Graduate Supervision, Master of Business Economics Major Research Papers.

Ilia Gutman. Expected completion in 2018.

Rick Alphano. Expected completion in 2018.

Alexia Anastasopoulos. Completed in August 2017.

Haoyang Zheng. Completed in August 2017.

Mikhail Susin. Copmleted in August 2017.

Undergraduate Supervision.

Ning Zhao.

Languages

English (fluent), Russian (fluent), French (beginner speaking, reading).

Programming / Software

MATLAB, SPSS, Eviews, php, SQL, apache, Java, Python, MS Office, Ubuntu Linux, etc...